



**INTEGRAL  
UNIVERSITY**  
LUCKNOW - INDIA

**A+** ACCREDITED  
BY NAAC



# Annual

## REPORT 2024-25



The WORLD  
UNIVERSITY  
RANKINGS  
for INNOVATION



Times  
Higher  
Education

**NABH**  
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PROGRAMS







# ANNUAL REPORT

2024-2025



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# MESSAGE

*From the desk of*

## HON'BLE FOUNDER & CHANCELLOR

Higher education is the cornerstone of economic development and playing a crucial role in fostering sustainable growth. Like other reputed Higher Education Institutions (HEIs), the Integral University is tasked with the dual responsibility of preserving moral values, while embracing modern academic practices as envisioned in National Education Policy 2020. In the Indian context the HEIs are not only expected to manage the frequent paradigm shifts effectively but also to be the stewards of Indian cultural and intellectual legacy. Further, they also have to cope up with the shifts from Teacher Centric Curriculum to Student Centric Curriculum, a relatively rigid structure to flexible structure, and traditional management to modern new age organizational models.

With the above scenario the Integral University has been transforming the higher education in accordance with the changing academic exigencies by adopting multifaceted approach, addressing issues related to quality, access, research, excellent infrastructure, and industry alignment. Further, implementation of NEP-2020 sets a strong foundation for future growth by focusing on holistic development, global competitiveness, and inclusivity.

Integral University has democratized higher education thus providing a gateway to academic excellence for students from diverse backgrounds, predominantly belonging to agrarian, educationally & economically underprivileged communities. The university presents a comprehensive academic portfolio with over 220 programs across 12 faculties, serving more than 17,800 undergraduate and postgraduate students, besides robust Ph.D. programs in various disciplines.

The campus is a hub of academic and extracurricular excellence, featuring state-of-the-art academic and research facilities including smart classrooms, seminar halls, laboratories, computer centres, workshops, etc. and sports facilities with professional coaching, a fully equipped gymnasiums, advanced laboratories, and a central library housing over a hundred thousand books and e-journals. A convention center including a central auditorium with a seating capacity of 300 attendees and annexed seminar halls, stands as a testament to the University's commitment to holistic development. The University ensures a nurturing residential experience with secured hostel accommodations for both male and female students. Dedicated to fostering excellence and empowering the youth, Integral University is a crucible of innovation and learning.

This Annual Report, records and showcases the activities and achievements of the University including it's all the constituent Units viz, Departments, Institutions, Centres, Integral Institute of Medical Science & Research, Institute of Professional Studies etc.

I extend my highest appreciations to my colleagues for their unflinching support and dedication for bringing out this marvelous publication.

**-Prof. S.W. Akhtar**  
Founder & Chancellor

## BRIEF PROFILE



**Dr. Syed Nadeem Akhtar**  
Pro-Chancellor

**Dr. Syed Nadeem Akhtar** is a Fulbright-Nehru Fellow & a Fellow of the Institute of Director. Through his office, drives and executes student acquisition, the introduction of new programs and collaborations, academic administration, software support through the Institutional ERP, quality assurance, assessments, and accreditations, students support services, human resource development and maintaining the University-public interface. He plays an instrumental role in designing MoUs, introducing programs, and developing curricula.

Dr. Nadeem holds a Ph.D. in Mechanical Engineering from the Indian Institute of Technology Kanpur. He specializes in surface micromachining of metals and polymers using nanosecond lasers. He holds the Executive General Management Certificate from IIM Bangalore. He has won the General Proficiency Medal for Best Academic Performance in his UG and PG programs at IIT Kanpur.

Dr. Nadeem has worked with Hindustan Unilever Limited, a company he joined as a Business Leadership Trainee in 2007. He became the Engineering Manager of a large soap manufacturing facility, responsible for projects, maintenance, safety, health, and the environment. Dr. Akhtar serves as the President of the Lucknow Table Tennis Association and actively works toward promoting sports through his office.

## BRIEF PROFILE



**Mr. Syed Mohd. Fauzan Akhtar**

Addl. Pro-Chancellor

Integral Institute of Medical Science & Research  
Integral Institute of Allied Health Sciences & Research  
Integral Institute of Nursing Sciences & Research

Mr. Syed M. Fauzan Akhtar serves as the Hon'ble Additional Pro-Chancellor of Integral University, Lucknow, where he spearheads initiatives in academics, healthcare, and community service.

An accomplished academician and administrator, Mr. Akhtar holds a Postgraduate degree in Construction Technology and Management and is currently pursuing a Ph.D. in Civil Engineering. He also earned an MBA in Healthcare Management and completed an Executive Program at Texas A&M University, USA, specializing in Healthcare, Pharmaceuticals, Intellectual Property Rights, and Education. His tenure as Executive Director - Healthcare enriched his vision of integrating management, medicine, and education with a focus on patient-centered outcomes.

Under his stewardship, Integral University has achieved significant milestones. The teaching hospital has expanded to over 1,000 beds with state-of-the-art facilities, the undergraduate and postgraduate medical seats have been substantially increased, and new programs in Allied Health Sciences and Nursing have been introduced. The Nursing College has earned the distinction of being the exclusive training site for Non-Communicable Diseases in Uttar Pradesh. Additionally, the university has reinforced its commitment to excellence with prestigious NAAC and NABH accreditations.

A leader guided by vision, precision, and mentorship, Mr. Akhtar embodies the wisdom to navigate complexity, the courage to embrace innovation, and the compassion to inspire dedication. He remains steadfast in strengthening Integral University's role as a beacon of knowledge, healthcare, and societal progress.

## BRIEF PROFILE



**SYED ADNAN AKHTAR**  
Addl. Pro-Chancellor

Mr. Syed Adnan Akhtar is currently looking after the International Affairs & Integral Institute of Professional Studies at Integral University. Under his leadership, the University has grown to attract students from over 35 countries, and forge international collaborations with Europe, Middle East and Southeast Asia spanning research and dual-degree agreements. He is also spearheading the development of new 53 acres campus, just 7 kms from University, that houses the Integral Business School, Faculty of Architecture, Design and Planning, and the University Polytechnic.

Mr. Syed Adnan Akhtar has previously served as a researcher at IIT Bombay's National Centre of Excellence for Technologies in Internal Security. Thereafter, he pursued his master's in systems and Control, at the Delft University of Technology, Netherlands. After his masters, he served as a researcher at the Technical University of Munich, Germany, in the area of machine learning and control, for rehabilitation of stroke patients, an EU Horizon 2020 Project with a consortium of over 20 EU Universities.

## BRIEF PROFILE



**Dr. Nida Fatima**

Addl. Pro Chancellor, Integral University  
Executive Director, Directorate of Entrepreneurship  
Development & Innovation – Integral Startups Foundation

Dr. Nida Fatima currently serves as the Additional Pro-Chancellor of Integral University and the Executive Director of the Directorate of Entrepreneurship Development & Innovation – Integral Startups Foundation. Under her dynamic leadership, the Integral Startups Foundation – Centre for Incubation & Entrepreneurship Development (ISF-CIED) has grown to support over 80 startups and grassroots innovators, establishing Integral University as a hub for innovation and sustainable entrepreneurial development.

Dr. Fatima has been at the forefront of driving innovation and entrepreneurial growth. A landmark milestone under her leadership is the signing of a historic MoU with the CM Yuva Mission- Department of MSME & Export Promotion-Government of Uttar Pradesh on 30th July 2025, a flagship initiative of the Hon'ble Chief Minister's CM Vikas Udyami Yojana. This achievement reflects her unwavering commitment to empowering the youth of Uttar Pradesh, enabling them to become self-reliant, job creators, and changemakers in the journey of nation-building. As the Nodal Centre Head, Dr. Fatima has co-organized several flagship programs in collaboration with All India Council for Technical Education (AICTE) and the Ministry of Education's Innovation Cell-Government of India, including the Innovation, Design & Entrepreneurship (IDE) Bootcamp for Students, IDE Bootcamp for Teachers of PM SHRI Schools, the Smart India Hackathon, and IPR and Technology Transfer workshops, among others.

Her experience also includes international representation in the prestigious India-UK-Ireland Higher Education Summit, held in February 2025 in London, UK, organized by the Association of Indian Universities (AIU). During this summit, she fostered collaborations and explored synergies with the startup ecosystems of several universities/Incubation Centres in the UK, further strengthening Integral University's global innovation network.

With leadership trainings on Innovation-Driven Entrepreneurship and Ecosystem Development at T-Hub Hyderabad and Nexus – the Innovation Hub at the American Center, New Delhi, among several other leadership and entrepreneurship programs, Dr. Fatima has honed her expertise in the entrepreneurship and startup ecosystem.

A Ph.D. in Bioengineering, Dr. Fatima has also contributed to pivotal research projects at the National Botanical Research Institute (NBRI), Lucknow, the Centre for Transgenic Plant Development, Jamia Hamdard, New Delhi, and the Department of Endocrinology at Sanjay Gandhi Post Graduate Institute of Medical Sciences (SGPGIMS), Lucknow. Leveraging her technical acumen and visionary leadership, she is driving transformative innovation in Agri-Tech, Health-Tech, MedTech, Bio-Tech, AI/ML, and other emerging sectors.



## Accomplishments and Engagements of Prof. Javed Musarrat, Hon'ble Vice-Chancellor

Highlights of the Accomplishments and Engagements of Prof. Javed Musarrat, Hon'ble Vice-Chancellor during the Academic Session 2023-24

### RESEARCH PUBLICATION PROFILE (CITATIONS and H-INDEX)

Sl. No.	Scientific Citation Indexing Service/Platforms	Research Publications	Citations	h- Index
1	Web of Science Gp/Publons	174	8392	51
2	Scopus	202	12426	63
3	Google Scholar	228	16400	72 (i10-index: 164)

ORCID:<http://orcid.org/0000-0001-5981-3813>

Web of Science Researcher ID :I-1942-2013; Scopus ID : 7004600448;  
AD Scientific Index ID: 342321

### PROF. JAVED MUSARRAT FEATURED AMONG WORLD'S TOP 2% SCIENTISTS FOR FIFTH CONSECUTIVE YEAR

Prof. Javed Musarrat, Vice Chancellor of Integral University, has been recognized in Stanford University and Elsevier's annual list of the world's top 2% scientists for five consecutive years. This prestigious honor reflects his research productivity, influence, and impact based on h-index and composite citation score (c-score).

Musarrat, Javed  
Aligarh Muslim University, IND

Year 2023 Rank: 91310

Main Field: Biomedical Research  
H-index: 19 Hm-index: 7.86

Sub Field: Toxicology  
Rank in the SubField: 343

Top 2% Listed Year(s): 2024, 2023, 2022, 2021, 2020

Logos for Elsevier, Top 2% Scientists, and Stanford University are displayed along with a QR code and the URL <https://TopResearchersList.com/>

### Research.com ranking of the Best Researcher in the discipline of Biology and Biochemistry (4rd Edition-2024)

**Best Biology and Biochemistry Scientists in India**

The 4th edition of Research.com ranking of the best scientists in the field of Biology and Biochemistry relies on data consolidated from a wide range of data sources including OpenAlex and CrossRef. The bibliometric data for devising the citation-based metrics were gathered on 27-11-2024. Position in the ranking is based on a researcher's D-index (Discipline H-index), which includes exclusively publications and citation values for an examined discipline.

Show more

javed musarrat x India (95)

World National Scholar D-Index Citations Publications

6273 21 World National Javed Musarrat Aligarh Muslim University, India D-index 69 Citations 198 14,375

## Research.com ranking of the Best Researcher in the discipline of Biology and Biochemistry (4rd Edition-2024)

### AWARDS AND HONOURS

1. Prof. Javed Musarrat was conferred with the title of Honorary Professor by the Research & Production Centre for Medicinal Plants under the Ministry of Higher Education, Science and Innovation, Republic of Uzbekistan on account of his outstanding contributions in the field of Medical and Health Sciences/Microbiology on 24.09.2024.
2. Prof. Javed Musarrat was conferred with the title of Honorary Professor by the Tashkent Institute of Chemical Technology (TICT) under the Ministry of Higher Education, Science and Innovation, Republic of Uzbekistan on account of his outstanding contributions in the field of Medical and Health Sciences/Microbiology on 25.09.2024.



3. Honoured with the "Outstanding Vice-Chancellor of India Award-2025" at 14th India Education Summit '25 organized by the Indian Education Network at Le- Meridian, New Delhi on 12.02.2025 at 6:00 pm.



## A Glimpse of The Important Events Attended

1. Distinguished Speaker at the One-day Vice-Chancellors' Workshop on "Writing of Textbooks in Bharatiya Bhasha for Higher Education" organized by the UGC and Bhartiya Bhasha Samiti at Indian National Science Academy, New Delhi on 16.07.2024.
2. Delivering Special Address at the Inaugural Session of the Seminar on "Effective Communication: The Key to the Success of Organizational Leadership, Strategies, and Projects" organized by the Human Resource and Development Cell on 26.07.2024.
3. Graced the Inaugural Session of the "World Breastfeeding Week" on "Closing the Gap: Breastfeeding Support for All" organized by the IIMSR on 08.08.2024.
4. Keynote Speaker at the Inaugural Session of the National Workshop cum Training Program on "The Art of Writing Thesis/Dissertation" organized by the Department of Humanities and Social Sciences on 13.08.2024.
5. Distinguished Speaker at the Inaugural Session of a Three Days National Seminar sponsored by SERB on "Sustainable Construction Materials and Green Technologies" organized by the Department of Civil Engineering in collaboration with UltraTech. Cement Limited on 22.08.2024.
6. Keynote Speaker at the Inaugural Session of a one month FDP on "Integration of Intellectual Property Rights (IPR) Principles into Teaching, Research and Professional Activities" organized by the Faculty of Law & Association of Indian Universities, under the aegis of the HRDC on 02.09.2024.



7. Lightning the Lamp at the Inaugural Session of the Orientation Program of MBBS Batch-2024 organized by the IIMS&Ron on 16.10.2024.
8. Distinguished Speaker at the Inaugural Session of the International Conference on "Advances in Geometry, Algebra, Analysis and Artificial Intelligence" organized by the Department of Mathematics & Statistics on 07.11.2024.
9. Delivered Special Address at the "32nd Foundation Day" 'Celebration of Legacy of Learning and Reflection' organized by the Integral University on 09.11.2024.
10. Keynote Speaker at the Inaugural Session of the "HR Meet-2024" organized by the Department of Civil Engineering on 12.11.2024.
11. Distinguished Speaker at the Inaugural Session of the 2nd International Conference on "Computational & Characterization Techniques in Engineering & Sciences" organized by the Departments of EE and ECE on 15.11.2024.
12. Graced the "Contributions of Allama Iqbal and Bekhud Dehlvi on Urdu Literature" organized by the University on 18.11.2024.
13. Chief Guest at the Inaugural Function of International Conference on "Teacher Education in the 21st Century" organized by the AMU, Aligarh on 23.11.2024.
14. Keynote Speaker at the Inaugural Session of PDP on "Educating Sustainable Development Goals (SDGs) Through Redesigning Curriculum in Social Sciences" organized by the Department of HSS in collaboration with HRDC on 03.12.2024.
15. Distinguished Speaker at the Inaugural Session of the "Innovation, Design & Entrepreneurship (IDE) Boot Camp for Principals & Teachers of PM Shri Schools" jointly organized by the Department of School Education & Literacy, AICTE, Ministry of Education, Government of India and Integral Startups Foundation on 06.12.2024.
16. Special Guest at the "4th IUF UNANICON-2024 and Award Ceremony of 2nd IUF National Unani Quest" organized by the International Unani Forum on 12.12.2024.
17. Delivered Presidential Address at the Valedictory Session of "Grand Finale of Smart India Hackathon (SIH) 2024 - Software Edition" organized by the Integral Startups Foundation on 12.12.2024.





18. Chief Guest at the Inaugural Session of the National Seminar on "Harnessing Artificial Intelligence and Machine Learning for Ayush : Prospectus and Challenges" organized by Central Research Institute of Unani Medicine on 16.12.2024.
19. Keynote Speaker at the Inaugural Session of the National Seminar on "National Agricultural Education Policy: Current and Future Perspectives and Integral Farmer's Award Ceremony" organized by the Department of Agriculture on 24.12.2024.
20. Delivered Convocation Address at the "3rd Graduation Ceremony (Convocation) 2025" organized by the Aligarh College of Education, Engineering & Technology and Management, Aligarh on 12.02.2025 at 10:00 am.
21. Keynote Speaker at Inaugural Function of the First Industry Academia Meet & International Conference on "Trends and Innovations in Science & Engineering" organized by the Department of Bioengineering and Integral Startups Foundation in association with AFSTI Lucknow Chapter & Indian National Young Academy of Sciences, New Delhi on 20.02.2025.
22. Addressed the Interactive Session on "Road to Excellence with QS Rankings and Ratings as Institutional Benchmarks" the IQAC on 04.03.2025.



23. Graced the Interactive Session on "Challenges of Higher Education in the 21st Century" organized by the IQAC on 17.03.2025.
24. Distinguished Speaker at the Inaugural Session of the UPSBB sponsored Workshop on "Sustainable Solutions for Plant Diversity Conservation: Bridging Policies and Innovations" organized by the Department of Agriculture and CSIR-NBRI, Lucknow on 22.03.2025.
25. Keynote Speaker at the Inaugural Function of the FDP on "Empowering Higher Education Institutions in Technology-Enabled and Blended Learning" jointly organized by the Commonwealth Educational Media Centre for Asia and the Association on Indian Universities in collaboration with Aryabhata Knowledge University, Patna and Integral University, Lucknow under the Academic and Administrative Development Centres (AADCs) Initiative on 07.04.2025.

26. Presenting Memento at the Valedictory Session of “The Juror League Moot Court Competition-2025” organized by the Department of Law on 19.04.2025.



### Meetings With National Eminent Academicians

1. Collaborative Meeting with Shri Vivek Kumar, Assistant Director, Board of Apprenticeship Training (NR), Kanpur, Ministry of Education Government of India on 25.07.2024.
2. Interactive Meeting with Shri Dharmpal Singh Ji, Hon'ble Cabinet Minister for Animal Husbandry, Dairy Development & Political Pension, Government of Uttar Pradesh during his visit to Integral University on 28.08.2024.



4. Meeting with Dr. Ashutosh Kumar, Associate Professor, Ahmedabad University, Ahmedabad during his visit to Integral University on 28.11.2024.
5. Status Update meeting with the members of the NBA Peer Review Team Prof. K. N. Khedkar, Prof. Savita Gupta, Prof. Sanjeev Wagh, Prof. C. R. Chavan and Prof. Anuradha Jain for Computer Science and Engineering and MBA Programs on 19th January 2025 in VC Secretariat, Integral University.
6. Meeting with Prof. (Dr.) Naseem Ahmad, Ex-Dean & Head, School of Management Studies & Social Sciences, Baba Ghulam Shah Badshah University, Rajouri, Jammu & Kashmir on 28.01.2025
7. Graced the MoU Signing Ceremony inked with Board of Apprenticeship Training (BOATS)(NR), Kanpur, Ministry of Education Government of India on 15.02.2025
8. Status Update meeting with the members of the NBA Peer Review Team Prof. V. K. Maurya and Prof. Sohan Chitlange for Pharmacy Program on 4th May 2025 in the Boardroom, Administrative Block, Integral University.



### Meetings With International Academicians

4. Meeting with a high-powered Niger State Delegation during their visit to Integral University on 19.07.2024 -
  - Alhaji Mr. Abubakar Usman, Secretary to the State Government
  - Hon. Idris Muhammad Sani, Hon. Sheshi Aliyu Wushishi, House Committee Chairman on Education and Finance
  - Hon. Zubairu Ismail, House Committee Chairman on Appropriation
  - Hon. Umar Nasiru, House Committee Chairman on Health
  - Hon. Abdullahi Adamu Mammagi, Honorable Commissioner, Ministry of Tertiary Education
  - Hon. Umar Yabagi, Honorable Commissioner, Ministry of Science and Technology



- Dr. Mr. Tukur Bello, Honorable Commissioner for Tertiary Health
- Hon. Usman Magaji, Principal Private Secretary to the Executive Governor
- Hajiya Ms. Mohammed Maimuna, Director General, Education Reforms
- Hon. Ibrahim Halilu Sayuti, Chairman Agaie Local Government Area
- Hon. Abdulhamid Aminu Najume, Chairman Munya Local Government Area
- Hon. Abbas Adamu, Chairman Mariga Local Government Area

- Mr. Michael Adebayo, MD/CEO of Oredian Education Resources Limited
  - Mr. Stephen Kolawole Adebayo, Director of Student Affairs, Oredian Education Resources Limited
2. Meeting with Dr. Shariq I. Sherwani, Faculty Chair for the Policy Steering Committee, Utah Tech University, Saint George, Utah, USA during his visit to Integral University on 26.07.2024.
  3. Performance Review Meeting (online) with Prof. Vijay Kumar Gupta, Associate Professor, School of Biotechnology, Lonsdale, Dublin City University, Glasnevin Dublin, Ireland on 05.08.2024.
  4. Meeting with the International Personalities during their visit to Integral University for Graduation Day Ceremony organized for International Students on 09.08.2024.
    - Mr. Chiroma Alhaji Buba, Hon'ble Speaker, Yobe State Government
    - Prof. Bello Kawuwa, Hon'ble Commissioner, Ministry of Higher Education
    - Dr. Abubakar Bukar Kagu, Executive Secretary, Scholarship Board
    - Ms. Rukaiya M Aliyu, Consular, Education, Nigerian High Commission, New Delhi
    - Mr. Ibrahim Bello Lame, Protocol Officer, Nigerian High Commission, New Delhi
    - Mr. Kole Shettima, Head, Mac Arthur Foundation, Nigeria
  5. Collaborative Meeting with Prof. Gayrat Djuraev, General Director, Research and Production Center for Growing and Processing Medicinal Plants under the Forestry Agency of the Republic of Uzbekistan, Tashkent, Uzbekistan followed by MoU Signing Ceremony on 24.09.2024
  6. Collaborative Meeting with Prof. Shadman Namazov, Director, Academician, Cotton Breeding, Seed Production and Agro-technologies Research Institute, Republic of Uzbekistan, Tashkent, Uzbekistan followed by MoU Signing Ceremony on 26.09.2024.



# *Brief History of Islamic Council*

## **FOR PRODUCTIVE EDUCATION (ICPE) AND INTEGRAL UNIVERSITY**



Like most of the great institutions, the Integral University had a very humble beginning; a group of foresighted and dedicated teachers, intellectuals and technocrats joined hands together to form an Education Society and named it as the ISLAMIC COUNCIL FOR PRODUCTIVE EDUCATION (ICPE). It was registered under the Societies Registration Act XXI of 1860, with Dr. Saeedur Rehman Azmi, Nadvi as its President and Prof. Syed Waseem Akhtar as the General Secretary. One of the main objectives of the Council was to develop technical, scientific, and professional know-how by means of technical training among Muslims and to establish colleges and institutes for the same.

The Council purchased land measuring about 7.5 acre on Kursi Road Lucknow for construction of the educational buildings. The foundation stone of the Institute of Integral Technology was laid on 3rd November 1993 by Maulana Abul Hasan Ali Hasani Nadvi (Ali Mian), a world renowned Arabic scholar and Rector of Darul Uloom Nadwatul Ulema, Lucknow.

Soon thereafter, the Techno Academic School was launched in the session 1994-95. In the meantime, the Government of Uttar Pradesh permitted entry of the private sector in higher technical education in the State. The All India Council for Technical Education (AICTE) and the State Government laid down procedures and norms for

starting bachelor level courses in engineering and technology. Conscious of the placement situation in the State, to start with, the Council identified three areas for its UG programmes namely,

- Computer Science and Engineering,
- Electronics Engineering, and
- Architecture

Since Lucknow University was a non-affiliating university and for starting any degree-level programme, affiliation to a university was a pre-requisite, the Institute was affiliated with RML University, Faizabad vide UP Govt. Technical Education Department G.O. no. 5545/Sixteen-Pra.Shi-1-143/97 dated 7th November, 1997 and the University's letter no. E 6160/GS dated 24th October, 1997. The Institute was first approved by the All-India Council for Technical Education (AICTE) vide its letter no. F.720-67-240(E)/ET/97 dated 28th July 1997 and was permitted to admit 60 students in each of the engineering programmes of Computer Science & Engineering, Electronics and 40 students in Architecture. The Institute admitted its first batch in the engineering programmes (B.Tech) in 1998 and in the Architecture (B.Arch) in 1999 and later, more programmes were also added. With starting of the academic session 2000-2001, the U.P. Technical University was established and affiliation of all institutes of engineering and technology in U.P. was transferred to this new University, while the students admitted in the earlier years were allowed to continue to complete their studies and obtain their degrees of the RML University Faizabad. (UPTU No. E.S.1208/GS dated 26th July, 2001)

A group of IITians drawn from educational institutions, government organizations, enterprises played a vital role in providing a strong and formidable academic foundation and curriculum for the phenomenal progress which the Institute of Integral Technology has made in subsequent years. This group comprised of Prof. S.M. Iqbal, (IIT, Kanpur), Prof. D.C. Thapar (IIT, Kharagpur), Prof. M.M. Hasan (IIT, Kanpur), Prof. M.I. Khan (IIT, Roorkee), Prof. Bal Gopal (IIT, Kanpur), Prof. Mansoor Ali (IIT, Rorkee), Er. M.S. Ansar (IIT, Kanpur), Prof. Subodh Shankar (IIT, Kharagpur) and Prof. Qamar-uz-Zaman (IIT, Kharagpur).

The Institute of Integral Technology made phenomenal progress as the years passed by. In infrastructure, it did not limit itself to the minimum standards laid down by the regulatory authorities but went far ahead. Its academic buildings, laboratories and the workshops, though not luxurious, were highly functional, appropriately designed and provided with the best possible equipments and, thus, could be compared with any well-established institute in country. Its strong emphasis on students' discipline, human values, and character - building had an enduring effect and was path- breaking. The management was able to attract eminent experts, many with IIT background, to serve as its teaching faculty with dedication and unflinching commitment. It was not just an ordinary institution; within a very short time it established its singular reputation. The Prime Minister of India, Sri Atal Bihari Vajpai personally came to visit and bless the Institute of Integral Technology on 30th June, 1999. In subsequent years, the Institute continued to progress further; and many new courses were added, new labs and equipment were provided and the campus was expanded further. In February 2004 it was recognized as a minority institution and on 26th of that month, the U.P. Legislature passed The Integral University Act (U.P. State Act No. 9 of 2004) raising this institution to the level of a full-fledged university. It was a unique and historic event.

The Integral University was thus born and it started functioning from 1st April 2004. It is the first enacted Muslim Minority University in the Country. The President of the Islamic Council for Productive Education, Dr. Saeedur Rehman Azmi and Prof. Syed Waseem Akhtar, General Secretary took over as the first Chancellor and Vice-Chancellor of the new University respectively. The University was recognized by the U.G.C. under Section 2(f) of the UGC Act 1956. Having been un-shackled from the fetters of an affiliated institution, the University continued to grow further during the years 2004-05 to 2020-21.

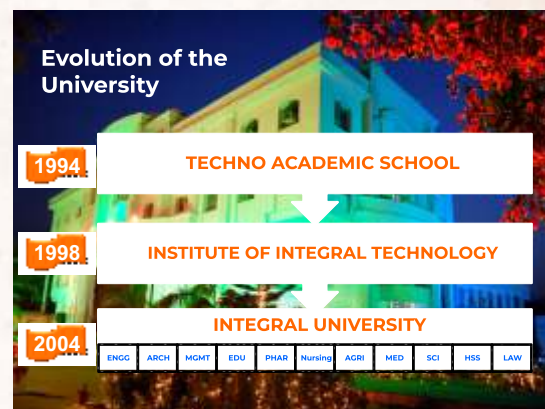


## APPROVALS & RECOGNITIONS

 University Grants Commission	 Association of Indian Universities	 The Indian Association of Physiotherapist	 National Assessment & Accreditation Council	 National Medical Commission	 Indian Nursing Council
 Uttar Pradesh State Medical Faculty	 Pharmacy Council of India	 National Council for Teachers' Education	 Distance Education Bureau	 Council of Architecture	 Bar Council of India

Recognized as a  
**Scientific & Industrial Research Organisation (SIRO)**  
by the Ministry of Science & Technology,  
Govt. of India

RANKED AMONGST  
**THE TOP TWO PRIVATE UNIVERSITIES**  
of Uttar Pradesh in  
**INNOVATION & RESEARCH**  
Source : Scimago Institutions Ranking 2019





## VISION

To lead the teeming millions of the world through the wilderness of ignorance and illiteracy, as "Kindly Light"\*

with the resounding divine proclamation.

"Read: Thy Lord is the most bounteous."

and to educate them in the most constructive and innovative ways.

To integrate the ebullience, intellect and dynamism of youth with decency, decorum, discipline and dedication through value-based quality education.

\*Exodus (13:21) \*Quran (96:3)

## MISSION

To make every student a role model of intellectuals and torch bearers for others all over the world through his / her inspiring existence.

To inculcate a spirit of confidence, self-respect and firm commitment in students along with farsighted wisdom and understanding.

To make India a self-reliant and dominant G-1 country recognized for quality education, higher economic growth and valuable moral practices.



**Prof. S. W. AKHTAR**  
FOUNDER & CHANCELLOR



## GOVERNANCE

The University functions as per provisions of Uttar Pradesh Private Universities Act, 2019 and the Integral University Statutes 2020, which have laid down the powers of the University, its officers and authorities. The officers administering the University include the Chancellor, Pro-Chancellor, Addl. Pro-Chancellors, the Vice Chancellor, Pro-Vice Chancellor, the Registrar, the Treasurer & Finance Officer, the Deans of Faculties, Proctor, Controller of Examination etc. Their roles in governance are well defined in Act & Statutes. Further, the following are the 'Authorities' of the University:-

1. **The Governing Body**
2. **The Executive Council**
3. **The Academic Council**
4. **The Finance Committee**
5. **The Planning Board**
6. **The Boards of Faculties**
7. **The Boards of Studies**
8. **The Admission Committee**
9. **The Examination Committee**
10. **The Research & Development Committee**
11. **The Centre for Career Guidance & Development**
12. **The Alumni Engagement Committee**



## MANAGEMENT OF THE UNIVERSITY

	<b>Prof. Syed Waseem Akhtar</b>	Founder & Chancellor
	<b>Dr. Syed Nadeem Akhtar</b>	Pro-Chancellor
	<b>Mr. Syed Mohd. Fauzan Akhtar</b>	Addl. Pro-Chancellor IIMSR IIAHSR IINSR
	<b>Mr. Syed Adnan Akhtar</b>	Addl. Pro-Chancellor (International Affairs, Integral Business School)
	<b>Dr. Nida Fatima</b>	Addl. Pro-Chancellor (Entrepreneurship Development & Innovation Integral Startups Foundation)
	<b>Prof. (Dr.) Javed Musarrat</b>	Vice Chancellor
	<b>Prof. (Dr.) Mohd. Haris Siddiqui</b>	Registrar
	<b>Prof. (Dr.) Abha Chandra</b>	Dean, Faculty of Health & Medical Sciences
	<b>Prof. (Dr.) Abdul Rahman Khan</b>	Controller of Examinations & Dean, Faculty of Science
	<b>Mr. Ahmed Raza</b>	Treasurer

## MANAGEMENT OF THE UNIVERSITY

	<b>Prof. (Dr.) Wahajul Haq</b>	Dean, Research & Development & Doctoral Studies
	<b>Prof. (Dr.) Syed Misbahul Hasan</b>	Director IQAC Dean, Faculty of Pharmacy
	<b>Prof. (Dr.) Sunil Kumar</b>	Dean, Engineering & I.T.
	<b>Ar. Zeba Nisar</b>	Dean, Faculty of (Architecture, Planning & Design)
	<b>Dr. Naseem Ahmad</b>	Dean, Faculty of Law
	<b>Prof. (Dr.) Monawar Alam Khalid</b>	Dean, Student Welfare
	<b>Prof. (Dr.) Syed Aqeel Ahmad</b>	Director, Human Resource Development Centre (HRDC)
	<b>Mr. Sufiyan Abbasi</b>	Director, Procurement
	<b>Dr. Ashfaque Khan</b>	Director (IIAHS&R)
	<b>Er. Zeeshan Raza Khan</b>	Director (CCG&D)

## AWARDS & RECOGNITIONS

The Internal Quality Assurance Cell (IQAC) is dedicated to fostering a culture of continuous improvement and excellence across all institutional activities.

It plays a pivotal role in formulating policies, monitoring processes, and recommending enhancements in alignment with established quality benchmarks.

Through its initiatives, the IQAC ensures accountability, transparency, and sustained excellence, thereby embedding a quality culture that not only strengthens internal practices but also enhances external recognition through accreditation and rankings.

Rankings serve as an objective measure of key performance indicators such as academic excellence, research contributions, faculty expertise, student satisfaction, and global engagement. They also help prospective students make informed choices by providing assurance of an institution's credibility and alignment with their academic and professional goals.

By championing these efforts, the IQAC supports Integral University in achieving its vision and mission—empowering motivated students to realize their full potential through academic success and professional growth.

The IQAC believes in shared commitment, inviting every stakeholder—faculty, staff, students, and partners—to actively participate in this collective pursuit.

Together, we uphold the principles of quality, embrace change, and drive innovation to shape a future where our university stands as a benchmark of excellence and impact.


***IQAC - "Sustaining excellence, securing recognition, shaping tomorrow."***


### Major Accreditation/Ranking








 <b>WURI Rankings 2025</b>	
Category	Rank in 2025
Student Support & Engagement	30
Crisis Management	31
Technology Development and Application	46
Global Top 400 Institutions	258

Rankings 2025	Rank
 <p>Indian Institutional Ranking Framework</p>	Architecture (Pvt): State 2, India 25 Design (Pvt): State 6, India 67 Law (Pvt): State 4, India 38 B-Schools (Pvt): State 4, Zonal 39, India 38 B-Schools State Pvt University: State 3, Zonal 14, All India 37 BCA Colleges (Pvt): State 7 Private University: State 7, Zonal 25, India 55 Private University (Best for Medicine & Allied): State 4, Zonal 11, India 17

Rankings 2025	Rank
 <p>India Today-MDRA</p>	<b>Engineering:</b> Overall 181 Emerging 151 <b>Medical:</b> Overall 54 Emerging 16 <b>B.Com :</b> Overall 116 Emerging 22 <b>B.B.A.:</b> Overall 107 Emerging 47 <b>B.C.A.:</b> Overall 80 Emerging 23 <b>B.A.:</b> Overall 121 Emerging 25 <b>Law:</b> Overall 52 Emerging 28 <b>B.Sc.:</b> Overall 108 <b>Architecture:</b> Overall 31 <b>General (Pvt) University:</b> Overall 38

Rankings 2025	Rank
 <p>Shimago Ranking 2025 India Universities</p>	<b>India Universities:</b> 177 <b>Agriculture and biological Science:</b> 46 <b>Biochemistry, Genetics and Molecular Biology:</b> 160 <b>Chemistry:</b> 208 <b>Computer Science:</b> 202 <b>Energy:</b> 219 <b>Engineering:</b> 226 <b>Mathematics:</b> 255 <b>Medicine:</b> 121 <b>Environmental Science:</b> 17 <b>Pharmacology, Toxicology and Pharmaceutics:</b> 123

Rankings 2025	Rank
<p>THE Impact Ranking</p> 	<b>Overall:</b> 1001-1500 <b>SDG3:</b> 801-1000 <b>SDG7:</b> 401-600 <b>SDG12:</b> 301-400 <b>SDG17:</b> 1001-1500
<p>GHRD Ranking</p> 	<b>Architecture:</b> Overall 12, Group (Excellence) 6, Zonal 3, State 1 <b>Law:</b> North Region Rank 2, State Rank 1
<p>The WEEK</p> 	Law College (Pvt): India 34, North Zone 14

<p>Edu Rank</p>  <p>EduRank एजुकेशन - एजिजेंस</p>	<p>World 5926, India 323, State 34</p>
<p>Career 360° B-Schools</p>  <p>CAREERS 360 A Career is a Life</p>	<p>AA+</p>

## IMPORTANT EVENTS OF THE UNIVERSITY

### Aligarh Muslim University Old Boys Association Lucknow honours Prof. S.W. Akhtar Hon'ble Chancellor and Founder

AMU Old Boys Association, Lucknow, marked its Golden Jubilee year (1975 -2025) to commemorate the Birth Anniversary of Sir Syed Ahmad Khan, the visionary Founder of Aligarh Muslim University, Aligarh.

Prof. S.W. Akhtar, the Chancellor and Founder of Integral University was invited as a Special Guest and was conferred with the "Padma Bhushan' Dr. Kalbe Sadiq Memorial Award" for Excellence in Education. Celebrating Sir Syed Day 2024, the grand celebration was organised by the 'AMUOBA- Lucknow' on 17 October 2025 at Indira Gandhi Pratishthan, Gomti Nagar, Lucknow.



## The XVI Convocation

The XVI Convocation of Integral University was held with grandeur and solemnity on February 17, 2025, at the Convocation Lawns of the University. The ceremony celebrated academic excellence and reaffirmed the University's commitment to fostering knowledge, innovation, and service to society.



The event was graced by Shri Kunwar Manvendra Singh, Hon'ble Chairman, Uttar Pradesh Legislative Council, as Chief Guest, and Dr. Arun Maira, Former Member of the Planning Commission of India and Former Chancellor, Central University of Himachal Pradesh, as Guest of Honor. The convocation was presided over by Hon'ble Chancellor and Founder, Prof. S.W. Akhtar, in the esteemed presence of Pro-Chancellor, Dr. Syed Nadeem Akhtar, Vice-Chancellor, Prof. Javed Musarrat, Registrar, Prof. Mohd. Haris Siddiqui, and Controller of Examinations, Prof. Abdul Rahman Khan.

The ceremony commenced with the academic procession, lighting of the ceremonial lamp, and rendition of the University Tarana. The Vice-Chancellor presented the Annual Report, showcasing major academic achievements, research contributions, and institutional growth. In their addresses, the distinguished dignitaries inspired the graduates. Dr. Arun Maira highlighted innovation and quality education as drivers of nation-building, while Dr. Syed Nadeem Akhtar encouraged creativity and adaptability. Hon'ble Chancellor Prof. S.W. Akhtar blessed the graduates with words of motivation, and the Chief Guest urged students to uphold values of integrity, innovation, and service.

A major highlight was the conferment of 177 Ph.D., 1075 post-graduate, 2389 undergraduate, and 189 diploma degrees. To recognize merit, 86 Gold and 87 Silver medals were awarded to program toppers, along with 11 Gold and 11 Silver medals to faculty toppers. Eram Naaz (M.Sc. Mathematics) and Alveera Parveen Aqil (M.Tech. Biotechnology) were honored as University Toppers.

For the first time, Student Startup Awards under the Integral StartUPs Foundation were introduced. Siddinfotech Pvt. Ltd. (AffiliateKaro), led by Mr. Tanweer Alam, won the Tech Innovation Startup Award, while Dark Elafi Industries Pvt. Ltd., founded by Mr. Arafat Alam Khan, received the Social Impact Startup Award. Both carried a cash prize of 20,000.

The convocation concluded with the administration of the oath by the Vice-Chancellor, presentation of mementos, a vote of thanks, and the National Anthem. The event marked a proud milestone in the journey of Integral University, celebrating the hard work, dedication, and success of its graduates.

## Graduation Ceremony-2024

The Graduation Ceremony for International students of Integral University was held on August 9, 2024. The event, organized in the Central Auditorium, was graced by the presence of distinguished guests, including Mr. Chiroma AlHaji Buba, Hon'ble Speaker, Yobe State House of Assembly, Nigeria.



The ceremony was presided over by the Hon'ble Chancellor and Founder of Integral University, Prof. S.W. Akhtar, in the esteemed company of the Pro-Chancellor, Dr. Syed Nadeem Akhtar, the Vice Chancellor, Prof. Javed Musarrat, and Executive Director Directorate of International Affairs Mr. Syed Adnan Akhtar with other senior university dignitaries. The event commenced with a warm welcome address delivered by Mr. Syed Adnan Akhtar, who extended heartfelt greetings to the dignitaries, students, faculty members, and proud parents.

In his address, Mr. Chiroma AlHaji Buba lauded the academic vision and global commitment of Integral University. He emphasized the role of education in shaping leaders of tomorrow and encouraged graduates to apply their learning to serve humanity and contribute positively to society.

The Hon'ble Chancellor, Prof. S.W. Akhtar, delivered an inspiring address, congratulating the graduates on reaching this milestone. He expressed his confidence in their abilities to uphold the values instilled during their time at Integral University and to contribute meaningfully in their chosen fields.

During the ceremony, 128 degrees were conferred upon the graduating students in the gracious presence of the Chancellor, Pro-Chancellor, Vice Chancellor, and distinguished guests. The moment of receiving degrees symbolized the culmination of years of hard work, perseverance, and dedication, filling the auditorium with pride and joy for the graduates, their families, and the faculty.

### Representation of Integral University at the Egypt National Day

The Executive Director (IIPSR & International Affairs) was invited by The Ambassador of Egypt, H.E. Mr. Kamel Galal, and Mrs. Reham Handoussa for the Egypt National Day on 08th July 2025.

### Participation in APAIE (Asia Pacific Association for International Education)

Integral University participated in the APAIE conference and exhibition held in Delhi from 24th March to 28th March 2025.

### Participation in Bhutan Education Fair



### MOU Signed with the Embassy of Libya



### The Embassy Connect Mission 2025

The Embassy Connect Mission 2025, held in New Delhi, further strengthened academic diplomacy. DIA representatives held meetings at over 19 embassies, including Libya, Syria, Yemen, Ethiopia, Saudi Arabia, Namibia, Hungary, Nigeria, Egypt, Iraq, Zimbabwe, Ghana, Chad, Tunisia, Oman, Zambia, Angola, The Gambia, and Bhutan. Discussions focused on student scholarships, collaborations, cultural exchange, and potential campus visits. Several embassies requested scholarship letters and showed strong interest in academic partnerships.

### Grand Finale of the Smart India Hackathon (SIH) 2024-Software Edition: A Celebration of Innovation, Inspiration & Nation-Building

Integral Startups Foundation-Centre for Incubation & Entrepreneurship Development (ISF- CIED), Integral University, proudly hosted the Grand Finale of the Smart India Hackathon (SIH) 2024-Software Edition, uniting the nation's brightest innovators in association with the Ministry of Education, GoI, All India Council for Technical Education (AICTE), GoI, and the Ministry of Education's Innovation Cell (MIC), GoI held between December 11-12, 2024.

The event convened exceptional young innovators from across India, who engineered transformative software solutions to address pressing real-world challenges articulated by the Ministry of Fisheries, Animal Husbandry & Dairying, the Ministry of Information & Broadcasting, and the Indo-Tibetan Border Police, Ministry of Home Affairs. The most cherished highlight of the event was the inspiring virtual interaction of Hon'ble Prime Minister of India, Shri Narendra Modi, along with the Hon'ble Minister of Education, Shri Dharmendra Pradhan, with the participants, leaving an indelible mark of motivation and encouragement."

Spearheaded by Dr. Nida Fatima, Executive Director, ISF-CIED, the hackathon was enriched with inspiring addresses by Prof. Vineet Kansal, Director, IET, who spoke about the transformative power of technology, Shri B.M. Tiwari, Assistant Director, AICTE-NEAT, Government of India, who highlighted the importance of empowering students through digital learning and Dr. Jitendra Kumar Tomar, Director, Department of Agriculture, Government of Uttar Pradesh, who emphasized the role of technology in agriculture.

Adding to the grandeur of the event, an esteemed panel of judges representing various ministries was present to evaluate the innovative ideas of the participants, ensuring a fair and insightful assessment. After 36 hours of relentless coding and problem-solving, the winners emerged: Team GG INC from Thapar Institute of Engineering & Technology triumphed in the PS SIH 1673 category with a problem statement from the Ministry of Fisheries; Team Code Runner from Maulana Azad National Institute of Technology secured the PS SIH 1772 category

with a problem statement from the Ministry of Information & Broadcasting, and Team Tech Simp-2 from G H Raisoni College of Engineering and Technology clinched the PS SIH 1775 category with a problem statement from the Indo-Tibetan Border Police, Ministry of Home Affairs.

Each winning team was awarded a cash prize of 1,00,000, making the finale not just a contest but a celebration of innovation, collaboration, and entrepreneurship. The hackathon reinforced the Integral Startups Foundation's stature as a premier hub of innovation and incubation in Uttar Pradesh, igniting the spirit of the next generation of changemakers. It was more than a finale, it was the beginning of a movement, inspiring young trailblazers to reimagine India's future with courage, creativity, and conviction.



### "IIAST: Leading the Way with ICAR Accreditation in Agricultural Education!"

The Department of Agriculture, Integral Institute of Agricultural Science & Technology (IIAST), Integral University, has achieved a remarkable milestone by earning the prestigious accreditation from the Indian Council of Agricultural Research (ICAR) for the B.Sc. (Hons.) Agriculture program. This distinguished honor serves as a powerful endorsement of the institution's commitment to excellence in agricultural education, cutting-edge research, innovation and unwavering support of authorities & management of Integral University. As the sole private university in the Lucknow region to receive this coveted recognition, Integral University proudly stands out as a beacon of quality and progress in agricultural sciences and ensures that the university bachelor's program in agriculture meets and exceeds the highest national standards, equipping students with industry-relevant skills and knowledge. This landmark achievement is a celebration of the university's vision to transform agricultural education and reaffirm its position as a leader in the field.

IIAST proudly celebrated the remarkable achievement on the occasion of National Farmers' Day. The event brought together the entire agriculture fraternity, academicians, enthusiastic students, partners from agri-industries and farmers to rejoice in this collective achievement. This event was graced by the esteemed presence of Prof. Syed Waseem Akhtar, Hon'ble Chancellor and Founder, Integral University, Shri Manoj Kumar Singh, IAS, Chief Secretary, Government of Uttar Pradesh, Dr. Sayed Nadeem Akhtar, Hon'ble Pro-Chancellor, Integral University, Prof. Javed Musarrat, Hon'ble Vice Chancellor, Integral University, Dr. Udham Singh Gautam, Hon'ble DDG, Division of Agricultural Extension, ICAR, New Delhi, Dr. Jitendra Kumar Tomar, Director, Directorate of Agriculture, Government of Uttar Pradesh and Prof. (Mohd.) Haris Siddiqui, Director, IIAST.



### INTERNATIONAL CONFERENCE ON TRENDS AND INNOVATIONS IN SCIENCE AND ENGINEERING: BRIDGING THE INDUSTRY-ACADEMIA INTERFACE

**February 20 - 22, 2025**

The International Conference on Trends and Innovations in Science and Engineering: Bridging the Industry-Academia Interface (TISE CON 2025) commenced on February 20, bringing together a distinguished assembly of researchers, industry leaders, and policymakers for a transformative three-day event. Organized by the Department of Bioengineering, Faculty of Engineering & IT, and Integral Startups Foundation, in association with AFSTI Lucknow Chapter and the Indian National Young Academy of Sciences, New Delhi, the conference is hosted in collaboration with esteemed academic partners, including Bundelkhand University,

Jhansi, M.P., India, and prestigious international institutions such as the Tashkent Institute of Chemical Technology, Uzbekistan; Institute of Microbiology, Republic of Uzbekistan; King Mongkut's Institute of Technology Ladkrabang (KMITL), Thailand; Al-Farabi Kazakh National University, Kazakhstan; and Hamad Medical Corporation, Qatar.

The event aims to bridge the gap between science, engineering, and society, fostering a multidisciplinary dialogue that drives innovation and collaboration. Under the theme "Innovation Across Disciplines and Borders: Fostering a Global Perspective to Build a Skilled Workforce for a Sustainable Tomorrow," TISE CON 2025 is set to spark groundbreaking discussions on cutting-edge advancements in energy, medicine, and environmental sustainability while promoting global partnerships to address industry-specific challenges.

The conference structure was designed to facilitate knowledge-sharing and industry-academia synergy, featuring keynote addresses, panel discussions, technical sessions, and networking opportunities. The inaugural ceremony was graced by distinguished dignitaries, including leading academicians, industry stalwarts, and policymakers. Notable attendees included Prof. Syed Waseem Akhtar, Hon'ble Founder & Chancellor, Integral University, Lucknow; Padma Shri Prof. G.D. Yadav, Former Vice-Chancellor, ICT Mumbai; Prof. Syed Nadeem Akhtar, Hon'ble Pro Chancellor, Integral University, Lucknow; Prof. Anand Kumar Singh, Hon'ble Vice Chancellor, Chandra Shekhar Azad University of Agriculture and Technology, Kanpur, UP; Prof. Sunil K. Khare, Vice Chancellor, NSCBIHL Central Deemed University, Andaman & Nicobar and Director, IISER Kolkata; Dr. Zebo Babakhanova, Tashkent Institute of Chemical Technology, Uzbekistan; and CA Rishabh Kumar Sawansukha, CEO, Fruz India Private Limited.



Prof. Alvina Farooqui, Head, Department of Bioengineering and Organizing Chair of TISE CON 2025, delivered the welcome address, emphasizing the importance of bridging the industry-academia gap, transforming innovative ideas into scalable solutions, and leveraging technology for societal betterment. She highlighted the significance of curiosity, creativity, and commitment (3Cs) in nurturing scientific excellence and holistic development.

Following this, Prof. Mohd. Haris Siddiqui, Registrar, Integral University, captivated the audience with a compelling narrative of the university's evolution from a humble educational institution to a globally recognized center for learning and research. A special biopic trailer on Hon'ble Founder & Chancellor Prof. Syed Waseem Akhtar was showcased, offering insights into the university's transformative journey. Dr. Nida

Fatima, Executive Director of Integral Startups Foundation (ISF), introduced ISF as one of Uttar Pradesh's leading non-profit incubation centers, spotlighting its contributions to nurturing successful startups such as Kosh, NuttyVillage, and Pharmoxa Agri Services.

In his keynote address, Hon'ble Chancellor Prof. Syed Waseem Akhtar underscored the critical role of science and technology in societal progress, addressing both the potential and ethical challenges of Artificial Intelligence (AI). He emphasized the need for students to develop not only technical expertise but also moral integrity and a strong ethical foundation to lead responsibly in an increasingly digitalized world. With this inspiring message, he officially declared the conference open. The conference souvenir, featuring 250 abstracts from global contributors, was unveiled, followed by a felicitation ceremony in which dignitaries were honored with university mementos and handcrafted shawls made by ISF-incubated startup Kosh.

As TISE CON 2025 continues, it remains a pivotal platform for fostering innovation, collaboration, and sustainable solutions. A Total of 633 participants participated in TISE CON 2025 out of which 59 participants were international. With a focus on real-world applications of scientific advancements, this conference is poised to leave a lasting impact on academia and industry, paving the way for a technologically empowered and globally connected future.

# DIRECTORATE OF INTERNATIONAL AFFAIRS

## Executive Director's Quote

"Integral University Stands As A Proud Symbol Of Unity In Diversity. At The Directorate Of International Affairs, We Are Deeply Committed To Promoting Cultural Exchange And Academic Collaboration Across Borders. This Year, Through Our Strategic Engagements, Dual Degree Programs, And Embassy Partnerships, We Have Not Only Advanced Internationalization But Also Celebrated The Unique Perspectives That Global Students Bring To Our Campus. Cultural Diversity Is Not Just A Vision—it Is Our Lived Reality, And We Continue To Nurture It As A Cornerstone Of Global Education At Integral University."

## Mr. Syed Adnan Akhtar

Executive Director, IIPSR & Directorate Of International Affairs

### 1. MoU signed with Southern Institute of Technology, New Zealand



The MOU was signed at APAIE (Asia Pacific Association for International Education) on 26<sup>th</sup> March 2025

### 2. Implementation of MOU with Szechenyi Istavan University, Hungary



20 students of Integral University successfully completed a semester at SZE University.

### 3. Delegation from SZE hosted at Integral Business School



The delegation arrived on 29<sup>th</sup> March 2025 comprising of Prof. Sándor Remsei PhD, Dean of the Kautz Gyula Faculty of Business and Economics, and Prof. Majid Movahedi Rad, Vice-Dean of the Faculty of Architecture, Civil Engineering and Transport Science at SZE

### 4. Invited Speaker at the Economic Times Annual Education Summit held from 19<sup>th</sup> June - 20<sup>th</sup> June



**5. Invited Speaker at the 09<sup>th</sup> Education Leaders Conclave and Awards held on 21<sup>st</sup> Feb 2025**



**6. Dinner/Meeting at the Residence of Ambassador of the Kingdom of Netherlands**

**7. Representation of Integral University at the Egypt National Day**

The Executive Director (IIPSR & International Affairs) was invited by The Ambassador of Egypt, H.E. Mr. Kamel Galal, and Mrs. Reham Handoussa for the Egypt National Day on 08<sup>th</sup> July 2025.

**8. Participation in APAIE (Asia Pacific Association for International Education)**

Integral University participated in the APAIE conference and exhibition held in Delhi from 24<sup>th</sup> March to 28<sup>th</sup> March 2025



**9. Participation in Bhutan Education Fair**



**10. MOU Signed with the Embassy of Libya**



MOU was signed with the Embassy of Libya offering scholarships for Libyan Students

### **10. The Embassy Connect Mission 2025**

The Embassy Connect Mission 2025, held in New Delhi, further strengthened academic diplomacy. DIA representatives held meetings at over 19 embassies, including Libya, Syria, Yemen, Ethiopia, Saudi Arabia, Namibia, Hungary, Nigeria, Egypt, Iraq, Zimbabwe, Ghana, Chad, Tunisia, Oman, Zambia, Angola, The Gambia, and Bhutan. Discussions focused on student scholarships, collaborations, cultural exchange, and potential campus visits. Several embassies requested scholarship letters and showed strong interest in academic partnerships.

### **11. International Graduation Day Ceremony 2024**

In August 2024, Integral University hosted an impressive Graduation Day Ceremony for International Students, welcoming delegates from the Government of Yobe State, Nigeria, and the Nigerian High Commission, New Delhi. The three-day event included a curtain raiser, university tour, football match, and ceremonial engagements, further enhancing cultural ties and alumni relations.

# EXAMINATION CELL

<b>Controller of Examination</b>	:	<b>Prof. Abdul Rahman Khan</b>
<b>Deputy Controller of Examination</b>	:	<b>Prof. Syed Aqeel Ahmad</b>
<b>Deputy Registrar</b>	:	<b>Mr. Syed Zishan Abbasi</b>

The **Examination Cell** is the backbone of the university's academic assessment system and serves as the central hub for planning, conducting, and managing examinations with the highest standards of fairness, transparency, and integrity. It plays a pivotal role in ensuring that every assessment—from the smallest quiz to the final semester examination—is conducted smoothly, in accordance with university regulations, and in a manner that upholds academic excellence.

With a broad spectrum of responsibilities, the Examination Cell significantly shapes the academic experience of students while maintaining the institution's standards. From preparing detailed examination schedules to safeguarding the integrity of assessments, the Cell is dedicated to fostering a fair, transparent, and quality-driven evaluation process.

Guided by detailed process flow charts and the departmental manual, the Examination Cell's core responsibilities include:

- Conducting final examinations.
- Compiling and declaring results.
- Preparing honor rolls.
- Issuing mark sheets and degree certificates.
- Organizing convocation ceremonies.

A committed team of professionals works tirelessly under the Office of the Controller of Examinations to deliver efficient and student-focused services.

## Objectives

- Continuously enhance the quality of work through the adoption of advanced technological tools.
- Strictly adhere to the university's rules and regulations.
- Maintain meticulous documentation of every decision and action.
- Ensure authenticity and accuracy of all information released by the office.
- Safeguard master records and related documents.
- Minimize wastage of time and resources.
- Provide prompt and reliable services to all stakeholders.

## Examination Reforms

The university has introduced significant reforms in examination management, integrating advanced IT solutions to improve efficiency, maintain academic standards, and promote transparency:

1. **IT Integration** - Fully computerized processes for Continuous Assessment (CA) and Semester-End Examinations, ensuring accuracy and ease of operation.
2. **Confidentiality & Integrity** - All Semester-End answer scripts are coded and blind-marked by the Examination Cell.
3. **Quick Result Declaration** - Examination results are declared within 7-15 days after the last examination, facilitated by automated systems.
4. **4-Quadrant CA Model** - A structured framework for guided knowledge dissemination.
5. **Flexible Course Design** - Faculty may choose from theory-based, project-based, or blended formats to best meet course objectives.

## 6. Revised Assessment Models:

**Theory-Lab Courses** - Theory assessed via written exams, quizzes, assignments; practicals assessed via lab exams and reports.

**Theory Courses** - Evaluated through written examinations, quizzes, and assignments.

**Seminars/Colloquia** - Evaluated by a panel using defined rubrics.

**Project-Based Courses** - Assessed through CA and Semester-End project presentations; individual contributions are considered in team projects.

7. **Credit Transfer** - Credits earned through recognized MOOC platforms may be transferred as per university norms.

8. **Online/Blended Examinations** - Implementation of a Learning Management System (LMS) for conducting both CA and Semester-End examinations online.

## Examination Management System (EMS)

Integral University has designed and implemented a fully in-house Examination Management System (EMS)—a secure, comprehensive, and technology-driven platform for managing every stage of the examination process. This robust system streamlines operations from planning to certification, ensuring efficiency, accuracy, and transparency at every step.

### The EMS facilitates:

- Preparation of examination schedules.
- Generation and retrieval of hall tickets.
- Seating arrangements and duty allocations.
- Evaluation and mark entry.
- Grade generation and result publication.
- Re-evaluation processing.
- Transcript generation.
- Printing and issuance of degree certificates.

The student web interface integrates the IUSMS module with the EMS, enabling students and parents to conveniently access a wide range of examination-related information, including:

- Examination schedules.
- Downloadable hall tickets.
- Seating arrangements for each examination.
- Continuous Assessment marks, results, and transcripts.
- Online applications for revaluation, transcripts, and other examination-related services.

## Dedicated Portals Supporting the Examination Process

To further streamline and digitize academic and examination processes, four specialized portals are in operation:

1. **Learning Management System (LMS)** - Integral Learning Initiative (ILI) A digital learning platform providing online resources, assignments, assessments, and course materials. The LMS complements face-to-face learning, offering integrated management capabilities for enhanced teaching and learning experiences.
2. **Integral University Student Management System App (IUSMS App)** A comprehensive mobile application offering students access to:
  - News and official notices.

- Academic calendar.
- Semester pre-registration.
- Timetables.
- Class attendance records.
- Fee and dues information.
- Online examination form submission and hall ticket download.
- Examination results.

### 3. **Student Management Information System (SMIS) Portal** A centralized platform for:

- Allotment of roll numbers.
- Student verification and admit card printing.
- Entry of Continuous Assessment marks.
- Student upgradation and promotion processes.

### 4. **Integral University Examination App (IU Exam App)** A specialized application for examination-related operations, including:

- Entry of Semester-End Examination marks.
- Collation and compilation of data for tabulation registers and marksheets.
- Online grievance redressal.
- Verification of academic documents for students and alumni.

### **End-Semester Answer Books and Examination Process:**

The Examination Cell ensures that all End-Semester Assessments are conducted with the highest standards of security, confidentiality, and fairness. Answer books are coded and blind-marked, maintaining complete anonymity during evaluation. With a fully automated examination system, results are typically declared within 7–15 days of the last examination.

Every stage—from paper setting and moderation to printing, distribution, evaluation, and final certification—is managed under strict protocols to minimize errors and uphold integrity. Security enhancements such as 2D barcodes, embossing, watermarks, and invisible logos are incorporated into mark sheets and degrees to prevent forgery.

### **Attainment of Program Outcomes (PO), Program Specific Outcomes (PSO), and Course Outcomes (CO):**

All academic programs and courses at Integral University are developed with clearly defined Program Outcomes (POs), Program Specific Outcomes (PSOs), and Course Outcomes (COs) to ensure clarity of objectives and measurable learning achievements.

A robust evaluation framework is in place to assess the attainment of these outcomes. CO attainment is measured through both Continuous Assessments (CA)—comprising class tests, quizzes, assignments, presentations, and project work—and End-Semester Examinations (ESE). Every ESE question is carefully mapped to the relevant COs and aligned with Bloom's Taxonomy (BT) levels to ensure cognitive skill progression.

The marks earned in each course are converted into letter grades, which are then used to calculate the Semester Grade Point Average (SGPA) and Cumulative Grade Point Average (CGPA) based on the assigned credit points.

Attainment levels are compared against predefined benchmarks set by the Examination Cell. The resulting data on CO, PO, and PSO achievement is systematically analyzed to inform continuous improvement—refining curriculum design, enhancing teaching methodologies, and optimizing content delivery—ultimately leading to stronger academic performance and better learning outcomes.

## Best Practices in the Examination System

Integral University has established a robust and transparent examination system that operates through three well-defined phases—Pre-Examination, Examination, and Post-Examination—ensuring fairness, efficiency, and adherence to academic standards.

The University Examination Committee plays a central role in supervising and reviewing every aspect of the process, from scheduling and conducting exams to evaluation and result publication. Prior to each semester or annual examination, the Committee convenes to finalize timelines, schedules, and procedural guidelines. Strict compliance with the academic calendar guarantees the timely completion of the academic session.

### Key best practices include:

- **Accessible Communication:** Examination schedules are published well in advance on the University's official website and Android mobile app for easy access by students.
- **Confidential Question Paper Management :** Question papers are designed by a panel of paper setters, with at least 50% drawn from external experts. The process, conducted through both online and offline channels, is maintained under strict confidentiality.
- **Stringent Examination Supervision :** Exams are held under the close watch of invigilators and a flying squad, ensuring zero tolerance for unfair means.
- **Anonymous Evaluation :** Each answer book is assigned a unique code to preserve the anonymity of students during evaluation.
- **Double Scrutiny :** Post-evaluation, answer books are re-checked by support staff to eliminate any inadvertent errors.
- **Prompt Result Declaration :** Final results are typically published online within 7-15 days of the last examination.
- **Answer Book Review by Students :** Before official result declaration, students are given the opportunity to review their evaluated answer books. This initiative not only increases transparency but also allows students to understand their performance, identify mistakes, and discuss evaluations with faculty—fostering self-awareness and academic growth.
- **Error Identification and Learning Enhancement :** The review process helps detect any overlooked errors and enables students to work on areas of improvement.
- **Information Transparency :** University regulations, study and evaluation schemes, syllabi, credit structures, grade point calculations, letter grades, and promotion rules are made readily available on the official website under the Program of Study Ordinances, ensuring all stakeholders remain well-informed.

These best practices collectively uphold the University's commitment to **academic integrity, transparency, and continuous improvement in the examination process.**

### Flowchart for Conducting Examinations:

1. **Collection of Study/Evaluation Scheme :** Gather the examination scheme, syllabi, and BOS-approved panel of examiners from the respective departments.
2. **Question Paper Setting :** Initiate the process of setting question papers (both online and offline), including issuing offer letters to paper setters.
3. **Collection, Typing, and Scrutiny/Moderation :** Collect and type the question papers, followed by a thorough scrutiny and moderation process.
4. **Printing of Question Papers:** Proceed with the printing of the final, approved question papers.
5. **Announcement of Examination Schedule :** Declare the examination schedule online for all stakeholders.
6. **Preparation of Seating Plan:** Develop a seating plan for the examination hall.

7. **Packing Question Papers:** Pack the question papers according to the seating plan.
8. **Issuance of Admit Cards :** Distribute admit cards to students through their respective Heads of Departments.
9. **Appointment of Examination Staff :** Assign roles for Chief Superintendent (CS), Assistant Chief Superintendent (ACS), Observers, Flying Squads, Invigilators, and other examination staff.
10. **Distribution to Invigilators :** Distribute answer booklets and question papers to invigilators, including details such as the invigilator's name, employee ID, department, designation, and phone number.

#### Flowchart for Evaluation of Answer Copies:

1. **Collection of Answer Booklets :** Collect answer booklets room-wise from invigilators, verifying them and noting absentees.
2. **Compilation by Subject Codes:** Organize the collected answer booklets according to subject codes.
3. **Tracking Used and Unused Copies:** Compile data for both used and unused answer booklets (A & B).
4. **Handling UFM Cases (If any) :** Compile data for Unfair Means (UFM) cases, collecting these copies separately.
  - Required UFM details: Student's name, Father's name, Roll No., Program, Year/Semester, Subject Code, Date of Examination, Number of copies used, and UFM form submission.
5. **Coding of Answer Copies:** Assign dummy numbers to the answer copies in advance.
 

**Required coding details :** Date of coding, name of coder, employee ID, designation, department, number of copies/bundles issued, and sign of the undertaking form.
6. **Evaluation of Answer Copies:** Distribute answer copies for evaluation.
 

**Required evaluation details :** Name of evaluator, Faculty ID, department, designation, phone number, number of copies/bundles issued, subject code, subject name, and date of completion of evaluation.
7. **Marks Entry:** Teachers enter marks using only the dummy codes.
8. **Printing of Award List:** Generate and print the award list.
9. **Submission of Award List and Answer Copies :** Evaluators submit the completed award list and answer copies with the provided form.
10. **Scrutiny of Answer Copies:** Conduct a detailed scrutiny of the evaluated copies.
 

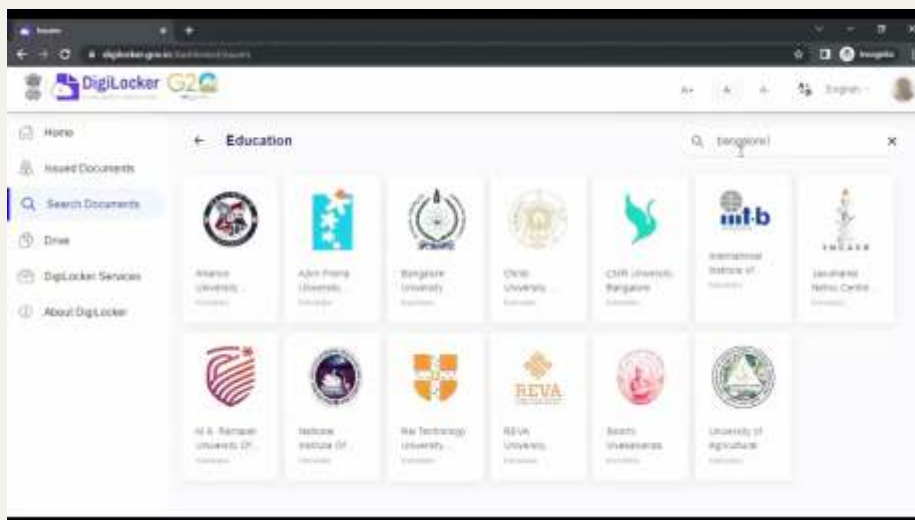
Required scrutiny details: Name of scrutinizer, department, designation, phone number, email ID, employee ID, and number of bundles/copies issued.
11. **Editing Marks in Case of Discrepancy:** Correct any discrepancies in marks.
 

**Required editing details :** Name of evaluator, employee ID, department, subject code, marks before scrutiny, marks after scrutiny, and difference in marks.
12. **Generation of TR:** Use the Exam App to generate the Tabulation Register (TR).
13. **Result Declaration:** Announce the results on the scheduled date.
14. **Printing of Mark Sheets/Degrees:** Print mark sheets and degree certificates.
15. **Convocation:** Conduct the convocation ceremony to distribute degrees.

#### Integral University is registered with National Academic Depository (NAD) and Academic Bank of Credits (ABC). National Academic Depository (NAD):

National Academic Depository (NAD) is born out of an initiative to provide an online store house of all academic awards. National Academic Depository (NAD) is a 24X7 online store house of all academic awards viz. certificates, diplomas, degrees, mark-sheets etc. duly digitised and lodged by academic institutions / boards / eligibility assessment bodies. NAD not only ensures easy access to and retrieval of an academic award but also validates and guarantees its authenticity and safe storage.

As per the decision of the Ministry of Education, DigiLocker is now the sole repository for National Academic Depository (NAD), and academic institutions are requested to onboard NAD through DigiLocker only. Academic Institutions who have already deposited their academic data to the former depositories i.e. NDML or CVL can now instruct them via email to transfer the data as per the directions of the University Grants Commission (UGC). <https://www.digilocker.gov.in/dashboard>



### Academic Bank of Credits (ABC):









Integral University has gone ahead and ensured that the University is registered with The Academic Bank of Credits (ABC) to promote the flexibility of the curriculum framework and interdisciplinary/ multidisciplinary academic mobility of students across the Higher Education Institutions (HEIs) in the country with an appropriate "credit transfer" mechanism. Programs in the Faculty of Science, Management, Commerce, and Humanities and Social Science have been designed in the line of NEP2020 to facilitate the students to choose their own learning path to attain a Degree/ Diploma/Certificate, working on the principle of multiple entry and exit as well as anytime, anywhere, and any level of learning. ABC enables the integration of multiple disciplines of higher learning leading to the desired learning outcomes including increased creativity, innovation, higher-order thinking skills and critical analysis. ABC provides significant autonomy to the students by providing an extensive choice of courses for a program of study, flexibility in curriculum, novel and engaging course options across several higher education disciplines/ institutions.

The procedure for depositing credits earned, its shelf life, the redemption of credits is as per UGC (Establishment and Operationalization of Academic Bank of Credits (ABC) scheme in Higher Education) Regulations, 2021. Students of Integral University have been briefed about the ABC along with the other stakeholders as well.

**ABC Portal:** <https://www.abc.gov.in/login.php>
















**User Manual of Registration :** [https://www.abc.gov.in/assets/resources/Academic-Bank-of-Credits\\_User\\_Manual\\_V3.pdf](https://www.abc.gov.in/assets/resources/Academic-Bank-of-Credits_User_Manual_V3.pdf)

Following are the students' ABC registration and credit transfer data done by the Integral University till August 21, 2025:

	Total Awards Lodged	55703
	Awards Fetched	8045
	Total Degree	20807
	Total Marksheet	32568
	Total Diploma	2330
	ABC Account Created	23612
	Total ABC Credit Data	27469
	No of Students with Credit Data	9927

### Ph.D. DEGREE AWARDEES

OCTOBER 01, 2024 TO AUGUST 8, 2025


S.N.	Photograph	Name of the Scholar / Enrollment No. / Department / Title of the Thesis
1.		Manisha Barauniya / 1901123 / Education A study of mental health, emotional intelligence and self confidence of secondary school students of Lucknow city
2.		Sheetal Agrawal / 1801036 / Education A study of emotional intelligence and social adjustment of middle school slow learners.
3.		Anju Singh / 1901002 / Education Implementation of 'DIKSHA in Science Education with integration of ICT@ School Scheme' and its benefits to schools and students: An evaluation study.
4.		Rajani Chandel / 1901082 / Education A study of relationship of career maturity with home environment, intelligence and academic achievement of eleventh class students
5.		Nadia Khan / 1901020 / Education A study of relationship between the secondary school students attitude towards e-learning and their academic achievements in the subject of commerce
6.		Soni Chauhan / 2001186 / Biosciences Impact of Carbendazim on soil microbial diversity and functions
7.		Rafia Shekh / 1701139 / Biosciences Proteomic profiling of exosomes from gallbladder cancer patients for identification and characterization of a prognostic marker
8.		Shruti Rai / 1701141/ Biosciences Genome wide association study to dissect the key metabolite quantitative trait locus underlying the thebaine content in opium poppy (Papaver somniferum L.)
9.		Mohd. Haris / 2001144 / Electrical Engineering Design, modeling and performance analysis of high-gain non-isolated DC-DC converter for Solar PV applications
10.		Kulsoom Fatima / 2001197 / Electrical Engineering Intelligent MPPT for hybrid renewable energy system
11.		Minhaj Khan / 1901062 / Computer Science & Engineering An enhanced mechanism for managing and mitigating risk in computational cloud environment
12.		Nudrat Fatima / 1901068 / Computer Science & Engineering Gender based analysis for prediction of myocardial infarction using machine learning techniques
13.		Anum Kamal / 2001254 / Computer Science & Engineering Deep learning based lung cancer detection using monomodal data
14.		Saif Ahmad / 2001264 / Electronics & Communication Engineering Performance enhancement of next generation network using NOMA
15.		Harshit Chandra / 2001269 / Electronics & Communication Engineering Development and performance evaluation of compression algorithms for resource constraint Hyperspectral Image sensors

16.		Gulshan ishtiaque / 2001039 / Languages Analyzing the world of children through the short stories of Ezra Kack Keats, Robert Munsch and Sven Nordqvist
17.		Mohd. Ajmal / 1901005 / Pharmacy Clinical study to evaluate the safety and efficacy of DPP-4 and SGLT-2 inhibitors along with different anti-diabetic combination in type-2 diabetic patient at tertiary care hospital in Lucknow
18.		Azaz Ahmad / 1901004 / Pharmacy Clinical study to assess the association of Vitamin D3 and Prolactin with Uterine Fibroid in premenopausal women
19.		<b>Zeba Siddiqui / 1801006 / Pharmacy</b> <b>Pharmacognostical appraisal, phytochemical and pharmacological investigations of some indigenous medicinal plants as antidiabetics</b>
20.		Pradeep Kumar / 1701070 / Commerce & Business Management Credence services and their impact on Indian health care sector with reference to Lucknow
21.		Tarveer Ahmad Khan / 1901158 / Commerce & Business Management Study of key factors affecting the adoption of E-vehicles in Delhi NCR
22.		Uzma Naaz / 1801054 / Mathematics & Statistics A study of additive mappings in rings and algebras
23.		Mohd. Danish Khan / 1901022 / Biochemistry Genetic association of T-cadherin with type 2 diabetes mellitus & cardiovascular disease
24.		Keerti Rastogi / 1601034 / Biochemistry Clinico-genomic study of metal transporter genes and its correlation with oxidative insult and profile of micronutrient elements in diabetic nephropathy
25.		Vinay Kumar Panday / 1901041 / Bioengineering Development of edible coating coupled with essential oil nanoemulsion to enhance the shelf life of perishable fruit
26.		Gurpreet Singh / 1701014 / Environmental Science Avifaunal diversity of selected wetlands in Haryana based on physiochemical parameters and vegetation composition
27.		Sachin Yadav / 2001249 / Chemistry NMR based Serum Metabolomics for elucidating disease specific metabolic signature for clinical surveillance
28.		Kausar Jahan / 2001213 / Biosciences Ultrasound and microwave assisted extraction of protein from <i>Brassica juncea</i> defatted meal employing valorization
29.		Syed Khalida Izhaz / 1901039 / Biosciences Isolation, identification and characterization of actinobacteria for their agricultural applications
30.		Tabish Izhaz / 1901067 / Civil Engineering Development of optimized reinforced concrete frame using metaheuristic technique
31.		Mohd. Sadat / 2001025 / Civil Engineering Managing urban expressways using variable speed limits and ramp metering under mixed traffic conditions
32.		Vedvrat / 2001095 / Electronics & Communication Engineering Design and analysis of tunnel field effect transistor for low power applications
33.		Rupali Gupta / 2001202 / Electronics & Communication Engineering Design and analysis of Gate Stack Silicon Doped HfO <sub>2</sub> Ferroelectric Vertical TFET for low power application
34.		Devendra Kumar / 2001122 / Computer Science & Engineering Opinion extraction from big social data using machine learning techniques
35.		Noureen Ansari / 2001115 / Chemistry Phyto-constituent assisted synthesis of bare and metal doped zinc oxide nanostructures: Characterizations and application for water treatment.
36.		Sabeeha Jabeen / 2001063 / Chemistry Fabrication, characterization and applications of metal oxide-based nanostructured materials
37.		Manvi / 2001049 / Pharmacy Pharmacognostical, phytochemical and diuretic potential of traditionally used plants
38.		Kashif Asad / 1601016 / Computer Application A framework for requirement management in Agile Software Development
39.		Saman Zameer / 1701166 / Commerce & Business Management Impact of financial inclusion programme on alleviation of poverty with special reference to Pradhan Mantri Jan Dhan Yojana
40.		Pervez Alam / 1701164 / Commerce & Business Management Impact of delivery and return service on e-commerce business of Flipkart in Delhi
41.		Samreen Bano / 2001067 / Civil Engineering A study on the supplementary cementitious materials for sustainable development of concrete.
42.		Anil Kumar Yadava / 13061 / Civil Engineering Characterization and performance evaluation of Reclaimed Asphalt Pavement (RAP)
43.		Zeba Ali Mumtaz / 2100252 / Chemistry Removal of pharmaceutical compounds from wastewater using constructed wetlands
44.		Chandra Shekhar Yadav / 2100070 / Chemistry Design, synthesis and bio-evaluation of $\alpha$ , $\beta$ unsaturated carbonyl compounds and their derivatives
45.		Sana Parveen / 1801029 / Biosciences Identification of active compounds from Fanch Phoran spices for their epigenetic potential in lung cancer
46.		Swati Srivastava / 1901058 / Biosciences <i>In silico</i> guided identification of bioactive compounds as promising inhibitors of viral proteins of SARS-CoV-2: An antiviral informatics study
47.		Shareen Fatima Rizvi / 1901066 / Biosciences Utilization of animal waste for biodegradable plastic production using microbes
48.		Pooja Mishra / 2001303 / Biosciences Green-synthesis of gold nanoparticles and their therapeutic applications
49.		Smita Rai / 2001010 / Biosciences Evaluation of chitosan based edible coating for enhancing the shelf life and improving postharvest quality of fruits and vegetables
50.		Shireen Fatima / 1901047 / Biosciences A study to assess the therapeutic potential of cimicifugic acid B from plant <i>Cimicifuga racemosa</i> L. against metastatic cervical cancer targeting Hedgehog signaling pathway

51.		Nivedita Mishra / 1901032 / Electronics & Communication Engineering Design of Ultra Wide Band (UWB) microstrip antenna for multiple band rejection
52.		Mohammed Amir Ansari / 1901118 / Electronics & Communication Engineering Analysis and design of PFD-charge pump in CMOS technology
53.		Gyan Singh / 2001018 / Agriculture Studies on pulses scenario in Uttar Pradesh and Uttarakhand with special reference to area, production and productivity
54.		Afroj Alam / 1901019 / Computer Application An Improved k-means clustering technique on high dimensional data
55.		Abida Khanam / 2001140 / Computer Application Design and development of Blockchain based framework for electronic record management
56.		Aditya Singh / 2001014 / Pharmacy Targeted drug delivery of ursolic acid loaded dendrimer against experimental model of dementia and cognitive impairment
57.		Nidhi Kumari / 1801017 / Pharmacy Nanoformulation development of <i>Adhaeda vesaka</i> (L) bees extract for wound healing activity
58.		Abdul Baseer Khan / 1901136 / Pharmacy Phytochemical screening and antibiolar activity of phytosomes from <i>Spondias mangifera</i> and <i>Medhuca indica</i>
59.		Hilba Khan / 1701163 / Commerce & Business Management Special credit schemes and their impact on socio economic empowerment of women in Lucknow
60.		Sapna Verma / 1901147 / Mathematics & Statistics A study of CR-submanifolds of golden semi-Riemannian manifolds
61.		Fatima Khanum / 2001006 / Physiotherapy Wearable postural correction sensor and home exercise program: an ergonomic approach for computer professionals with neck pain
62.		Arohana Verma / 1801070 / Electrical Engineering Controller design for Load Frequency Control (LFC) for multi area inter connected power system
63.		Manish Kumar / 2001020 / Mathematics & Statistics A study of MHD flow with heat and mass transfer through porous medium
64.		Rashmi Sonkar / 2001050 / Computer Science & Engineering Energy efficient routing in wireless sensor networks using intelligent network techniques
65.		Aliqz Hussain / 2001119 / Law Waste management and environment protection laws in India with special reference to e-waste management
66.		Mohd. Faiz Khan / 2100230 / Law Securing the right to privacy against a surveillance state: A case study of the Criminal Procedure (Identification) Act, 2022
67.		Khan Huma Aftab / 2001267 / Electronics & Communication Engineering Economic operation for DC connected battery and solar PV plant
68.		Samiya Farooq / 1901025 / Commerce & Business Management Changes in buying behaviour of consumer with reference to conditional rebate in retail stores in Lucknow
69.		Nadeem Khan / 1901089 / Agriculture Effect of tillage along with microbial intervention on productivity and soil quality under pigeon pea-wheat cropping system
70.		Gyanendra Tripathi / 1901146 / Bioengineering Production of cost-effective bioenergy by novel microbial consortia and utilization of residual biomass for waste-water treatment
71.		Mahima Verma / 1901114 / Biosciences Assessment of the therapeutic efficacy of 3-Acetyl-11-keto- $\beta$ -boswellic acid from <i>Boswellia serrata</i> plant against prostate cancer targeting Notch signaling pathway
72.		Peeyush Kumar Pathak / 2001306 / Computer Science & Engineering Prediction of post pandemic health conditions using Machine Learning Techniques
73.		Vivek Kumar Gupta / 1901014 / Electronics & Communication Engineering Design and analysis of circularly polarized dielectric resonator antenna for sub-6 GHz applications
74.		Bibha Srivastava / 2001016 / Education A comparative study of academic achievement in English of Secondary School students studying through blended and offline modes
75.		Samina Mumtaz / 1901011 / Education A study of effect of e-learning on enhancement in academic achievement of secondary school students in subject of History
76.		Rishika Awasthi / 2001009 / Commerce & Business Management Impact of Goods & Services Tax (GST) on handicraft industry in Uttar Pradesh
77.		Shama / 2001195 / Commerce & Business Management Role of Small Industries Development Bank of India (SIDBI) in digital transformation of micro, small and medium enterprises in U.P.
78.		Mohd. Salman / 1701168 / Commerce & Business Management Study of export promotion measure in India with special reference to Special Economic Zone
79.		Farheen Zehra / 2001130 / Commerce & Business Management Strategies of digital payment gateways in India
80.		Md. Sohel Akhter / 1901067 / Pharmacy Assessment of drug related problems in patients with cardiovascular diseases at Tertiary Care Hospital in Lucknow
81.		Gazala Noor / 2001216 / Pharmacy Development and optimization of thymoquinone, hesperetin and vitamin C based nanoformulation against cyclophosphamide induced immunosuppression in rats

82.		Rufaida Wasim / 2001012 / Pharmacy Repurposing of Rosuvastatin in myocardial ischemia, left ventricular dysfunction and cardiac hypertrophy by exploring its role on AGE-RAGE axis
83.		Bholey Nath Prasad / 2001061 / Physics Implementation of Artificial Neural Network for detection of toxic gases/vapours through SnO <sub>2</sub> -based thick film gas sensors
84.		Iram Wehid / 1602041 / Biosciences Inhibition kinetics and thermodynamics of immobilized cathepsins on the surface of gold nanoparticles
85.		Afika Mustafa / 2001055 / Commerce Study of select schemes of Government of India in alleviating poverty in rural areas of Lucknow
86.		Eram Fatima Siddiqui / 1901036 / Computer Application Development of a framework to mitigate vulnerable latency junction in IoT
87.		Ankita Srivastava / 2001028 / Computer Science & Engineering Enhancing data security in cloud using intelligent techniques
88.		Nagma Warsi / 1901007 / Education A study of usage of online library resources in relation to study habits and academic performance of under-graduate students
89.		Shagufta Parveen / 2001001 / Education A case study of organization and functioning of a Madarsa
90.		Ashish Kumar / 1901157 / Agriculture Estimation of stability parameters and molecular diversity for yield and quality attributes in Senna ( <i>Senna alexandrina</i> Mill.)
91.		Dewar Husain / 1602033 / Electronics & Communication Engineering Analysis and implementation of de-noising in spatial-scale and spatial frequency domain using different thresholding
92.		Airoz Jahan / 1901144 / Pharmacy Development and evaluation of Genistein nanogel for the prevention of UV-B induced skin damage
93.		Rabiya Ahsan / 2001171 / Pharmacy Design & evaluation of combination of Phloridzin, Plumbagin and Berberine chloride against Alzheimer's model in rats
94.		Awaneet Kaur / 1801049 / Pharmacy Comparative memory enhancing potential of selected plants against scopolamine-induced memory impairment
95.		Rizwana Bae / 2001212 / Pharmacy An experimental study on antidepressant activity of Vincamine alone and along with Melatonin and comparison with standard antidepressant drug
96.		Semina Khatun / 1701087 / Business Management Study of work-life balance in Integral University's Institute of Medical Sciences and Research
97.		Zoya Mujeeb / 1901154 / Business Management Impact of Brand Personality on Consumer Behavior with reference to Automobile Sector in Lucknow-An Empirical Study
98.		Aanchal Nigam / 1901069 / Business Management Analytical study of consumer awareness and perception towards e-payment services by Fintech Companies: With reference to Lucknow, Uttar Pradesh
99.		Divesh Dutt / 1901132 / Business Management Study on non-performing assets of Bank of India with reference to agriculture sector in Lucknow
100.		Mohd Ased Khan / 1901042 / Business Management Impact of online platforms on consumers of food delivery market with special reference to Uttar Pradesh
101.		Yamina Fatima Naqvi / 1901162 / Business Management The Impact of leadership and conflict management style on the organisational commitment: A study of universities in Lucknow
102.		Sochin Ranjan / 1901149 / Biosciences Studies of Bakuchiol against aging and age-associated neuropathies in <i>Caenorhabditis elegans</i>
103.		Ushba Aafreen / 1901009 / Biosciences Bioactivity guided isolation of antimicrobial metabolites from rhizospheric fungus
104.		Firoz Ahmed / 2001219 / Biosciences Investigating the role of LAP activation by Nano Rifabutin loaded glucan particles in mycobacterial killing within human macrophage
105.		Mid Khalid Jamal / 2001206 / Computer Application Analysis and design multi objective workflow scheduling in Cloud Computing
106.		Seema Aleem / 2001037 / Computer Science & Engineering Enhancing Quality of Service (QoS) in IoT Networks through congestion avoidance using Computational Intelligence Techniques
107.		Meh Palkar / 2001109 / Anatomy Morphometric, Morphological and Histological Study of Placenta in Stillbirths, Intrauterine Deaths and Live Birth
108.		Mohammed Javed Ali Khan / 2001103 / Anatomy Correlation of Chorionic Vasculature & Histomorphology of Human Placenta with Birth Weight
109.		Anupam Singh / 1901103 / Agriculture Effect of Integrated Nutrient Management (INM) on growth, yield and quality of strawberry ( <i>Fragaria-ananassa</i> Duchesne) cv. Camarosa
110.		Karuna Katiyar / 2001165 / Microbiology Prevalence and Molecular typing of Human Papillomavirus among female patients attending IIMS, Lucknow.
111.		Zaidia Rizvi / 1801078 / Commerce Analysis on financial impact of mergers and acquisition on select Indian banks
112.		Mubeeshara Hasan / 1801035 / Commerce Comparative study of mobile banking services offered by select private sector banks in Lucknow

S.N.	Photograph	Name of the Scholar / Enrollment No. / Department / Title of the Thesis
113.		Samarth Pande / 1901074 / Commerce A study of financial planning and tax saving strategies of salaried employees in U.P.
114.		Priya Dubey / 2001305 / Biosciences Mitigation of Chromium contamination in soil using microbe-amended biochar
116.		Hina Siddiqui / 2001081 / Bioengineering Extraction of dietary fiber from under-utilized <i>Neolamarckia cadamba</i> fruit: A valorization approach
116.		Hamza Siddiqui / 2001228 / Electrical Engineering Machine learning perspectives for energy conversion process in organic solar cells
117.		Divakar Pratsp Mishra / 2001301 / Law Critical analysis of socio-economic rights of minority in India-A study of legislative provision
118.		Manuj Daibari / 2100052 / Law The current challenges of Cybercrime and Law Enforcement with Advent of new technologies in cyberspace
119.		Kamran Rasheed / 2100134 / Mechanical Engineering Numerical study on enhancement of mixing in Microchannel using Secondary flows
120.		Nilesh Kumar / 2001187 / Mathematics & Statistics Effect of deterioration on inventory with and without shortages and different demand rates
121.		Richa Awasthi / 2001008 / Biochemistry Role of vitamin D receptor Gene Polymorphisms in susceptibility to essential hypertension
122.		Manu Radha / 2001177 / Languages Evolution of Sita in the Select Literary Texts by Devdutt Pattanaik, Volga, Amish Tripathi and Chitra Banerjee Divakaruni
123.		Sakshi Roy / 1901017 / Business Management Role of Green Banking Practices upon the performance of Private and Public Sector Banks in Lucknow
124.		Ahmad Ghazali Kidwai / 2100092 / Business Management A Comparative Study of Consumer Satisfaction towards India Post and Private Courier Services in Central Region of Uttar Pradesh
125.		Lalba Rind / 2001106 / Pharmacy Repurposing of Olmesartan in diabetes related complications by exploring its ameliorative effect on AGE-RAGE axis
126.		Laani Devi / 2001299 / Pharmacy Development of gum acacia based targeted colloidal gold nanoparticles of anticancer drugs and its evaluation against breast cancer
127.		Amrit Kumar Singh / 2100139 / Agriculture Economizing chemical fertilizer through biofertilizer on strawberry production ( <i>Fragaria x ananassa</i> Duch.) cv. winter dawn
128.		Arshiya Idris / 2001036 / Education A study of problems faced by High School students in use of ICT in their Online Classes
129.		Farheen Fatima Zaidi / 2100006 / Education A Study of the Status of Mental Health of Undergraduate Students in relation to their Social Class Belongingness
130.		Uzma Hussain Jaisi / 2100009 / Education Portrayal of minorities and weaker sections of Society in Secondary Level Nationalized School Textbooks of English: A Study
131.		Srishti Pal / 2001192 / Anatomy Assessment of Anthropometric Parameters of face in diabetic patients and non-diabetic individuals: A Radiological Comparative Study
132.		Sumaiya Weheed / 2001166 / Physiology Comparative analysis of Neutrophil Lymphocyte Ratio, Platelet Lymphocyte Ratio and Red Cell Distribution width in Type 2 Diabetes Mellitus with and without CKD
133.		Mohd Shahid Khan / 2001294 / Microbiology Characterization and Genotyping of Aerobic Bacterial Isolates from Diabetic Foot Ulcer
134.		Nadeem Ahmad / 2001297 / Microbiology Molecular Characterization of Metallo-Beta-Lactamase Producers among Carbapenem-Resistant <i>Pseudomonas Aeruginosa</i> from clinical samples in a Tertiary Care Hospital, Lucknow
136.		Sultan Ahmad / 2001166 / Microbiology Molecular characterization of ESBL genes in <i>E.coli</i> isolates from patients of Urinary Tract Infection
136.		G. Shantkar Ganesh / 2001266 / Physiotherapy Effectiveness of exercise interventions in improving outcomes in a sub-group of population with chronic low back pain positive for central sensitization
137.		Arifa Ishtyaq / 1701118 / Business Management A comparative study of status of women employees in selected private and public sector banks in Lucknow district
138.		Rusma Usmani / 2100117 / Business Management A Comparative Study of Emotional Intelligence of University Teachers in Public and Private Sector University of Uttar Pradesh
138.		Akhtar Hasan Jamal Khan / 2001021 / Business Management Study of Bank loan scams along with proposed preventive strategies in select public and private sector Bank in Uttar Pradesh
140.		Shinjini Yadav / 2001269 / Electronics & Communication Engineering Design and Analysis of Low Noise Amplifier (LNA) for Low Power Applications
141.		Mohd. Munazzaq Ansari / 2001266 / Electronics & Communication Engineering Automated Lung Cancer diagnostics with emerging technologies using multi-Dataset
142.		Ujjaba Saleem Khan / 2100041 / Computer Science & Engineering Optimizing Crop Yield Prediction Models using Machine Learning Algorithms
143.		Km. Tripti Singh / 2001318 / Biosciences Process development and its optimization for extraction of Bio-Colorant from <i>Piper Beta</i> L.

144.		Anil Kumar Jha / 1901128 / Environmental Science Effects of Floral Extract of <i>Rhododendron arboreum</i> on Growth and Immune Response of Fishes Under Varying Environmental Conditions in Nepal
145.		Kajal Srivastava / 2100178 / Chemistry Isolation and Characterization of biologically important compounds from some selected Indian medicinal plants
146.		Md. Abu Katadah / 2100232 / Languages Nation, Identity and Synchronization: A Study of Select Indian Autobiographies
147.		Huri Rizvi / 1901046 / Bioengineering Production, optimization and characterization of microbial surfactant and its application
148.		Samrah Fatima / 2100024 / Law Protection of Children Against Sexual Abuse: A Critical Study with Special Reference to Lucknow, Uttar Pradesh
149.		Ashfa Zubair / 2001227 / Pharmacy Development and evaluation of <i>Cyperus scariosus</i> (Nagarmotha) Arka (Aqueous Distillate) and its ophthalmic use
150.		Sabreena Naz / 2001048 / Pharmacy Repurposing of Rosiglitazone in Neurodegenerative and Cognitive Impairment Disorder by exploring its role in AGE-RAGE Axis
151.		Asad Ahmad / 2100129 / Pharmacy Bedaquiline loaded self-nanoemulsifying drug delivery system (SNEDDS) for oral delivery: Development, Optimization and Pharmacokinetics studies
152.		Shweta Sinha / 1801066 / Pharmacy Design, synthesis and pharmacological screening of coumarin derivatives
153.		Shiv Poojan / 2100191 / Agriculture Evaluation of Bael ( <i>Aegle marmelos</i> , Correa) germplasm for quality traits in subtropical region of Uttar Pradesh
154.		Md. Wasim Akram / 1801067 / Education A study of attitude of secondary school teachers towards smart classroom in relation to their computer competence and computer anxiety
155.		Mirza Suboor Baig / 2001034 / Education A Study of Leadership Styles and Teacher Effectiveness of Secondary School Teachers
156.		Rahat Parveen / 1901026 / Education Attitude of Secondary School Teachers towards Digital Technology and their proficiency in its use: A Study
157.		Shimaila / 2001027 / Computer Science & Engineering Improving the effectiveness of Weather Forecasting using Intelligent Techniques
158.		Rohit Srivastava / 2100181 / Computer Science & Engineering Integrated Intelligent Computing method for Diagnosis of Gastrointestinal Diseases
159.		Zulfikar Ali Ansari / 2100235 / Computer Science & Engineering Breast Cancer detection Through Explainable AI
160.		Kumar Suresh / 2001243 / Computer Science & Engineering Efficient Utilization of IoT Resources using Machine Learning Techniques
161.		Vipin Kumar Jaiswal / 2001293 / Computer Science & Engineering Design & Development of efficient framework for Virtual Machine Placement in Cloud Data Centers
162.		Tahsean Mazhar / 2001174 / Microbiology To study the circulating Serotypes in Primary and Secondary Dengue Infection
163.		Neha Mishra / 2001169 / Physiology A Study of Thyroid Function & Hematological Abnormalities in Patients with Chronic Kidney Disease
164.		Huma Khan / 2001066 / Law Human Rights Violation and Accountability of Police in the Administration of Criminal Justice System with special reference to the city of Lucknow
165.		Tushar Verma / 1701067 / Electronics & Communication Engineering Design Improvement in Intelligent Cardiac Controller using Bio-Inspired Optimization Technique
166.		Mamta Chaudhary / 2100090 / Languages Class Consciousness in Select Indian English Novels
167.		Harem Sarfaraz / 1801067 / Bioengineering Study of anticancer potential of <i>Linum usitatissimum</i> L. seed extract loaded nanoformulation against hepatocellular carcinoma
168.		Sana Zaidi / 1801038 / Business Management Study the influence of psychological traits on investment behaviour of individuals in Lucknow
169.		Arti Awasthi / 2100135 / Business Management A Study on Employee Engagement in SMEs of Uttar Pradesh
170.		Kulsoom Aslam / 2100065 / Mathematics & Statistics A Study of Fuzzy Linear System
171.		Benjamin Siddiqui / 2001313 / Chemistry Design, synthesis, in-silico and Quantum Mechanical Evaluation of Nitrogen containing Heterocycles

Note: This data includes Ph.D. degree awardees from October 01, 2024 to August 8, 2025.

### Date-wise Activities of the Examination Section, Session -2024-25

S. N.	Activities	Odd Semester		Even Semester	
		For All First Year Students	For All Second Year & onwards Students	For First Year Students	For All Second Year & onwards Students
1.	Last date to apply for Semester-End Carryover Examinations	N.A.	October 11, 2024	March 22, 2025	March 22, 2025
2.	Release of Semester-End Examination Schedule	October 26, 2024	October 26, 2024	March 29, 2025	March 29, 2025
3.	Issue of Admit Card/Hall Ticket for Semester End Practical Examinations	Nov 07 - 09, 2024	Nov 07 - 09, 2024	April 24 - 26, 2025	April 24 - 26, 2025
4.	Date of Semester-End Practical Examinations	Nov 14 - 21, 2024	Nov 14 - 21, 2024	April 28 - May 03, 2025	April 28 - May 03, 2025
5.	Issue of Admit Card/Hall Ticket for Semester End Theory Examinations	Nov 22 - 23, 2024	Nov 22 - 23, 2024	May 01- 03, 2025	May 01- 03, 2025
6.	Last date for Submission of Semester-End Practical Examination Marks by Teachers	Nov 23, 2024	Nov 23, 2024	May 05, 2025	May 05, 2025
7.	Last date for Submission of Continuous Assessment (CA) Marks by Teachers	Nov19, 2024	Nov 19, 2024	May 03, 2025	May 03, 2025
8.	Semester-End Theory Examinations	Nov 25- Dec 14, 2024	Nov 25- Dec 14, 2024	May 06 - 29, 2025	May 06 - 29, 2025
9.	Evaluation of Semester-End Theory Examination Answer Copies	Nov 27 -Dec 18, 2024	Nov 27 -Dec 18, 2024	May 08 - 31, 2025	May 08 - 31, 2025
10.	Showing of Semester-End Examinations Answer Copies to students	Dec 19 - 21, 2024	Dec 19 - 21, 2024	June 02 - 04, 2025	June 02 - 04, 2025
11.	Notification & Declaration of Semester-End results	Dec 23, 2024 onwards	Dec 23, 2024 onwards	June 10, 2025 Onwards	June 10, 2025 Onwards

### Summary of Results declared in the Session 2024-25:

Total number of students appeared in the Examinations	Total number of students Pass or Promoted with Carryover paper (PCP)	Total number of students appeared in the Final Year Examinations	Total number of students Pass in the Final Year Examinations
15662	15226	4308	4185

### Pass Percentage - all courses (UG+PG) Session -2024-25:

First Year	97.27
Second Year	96.46
Third Year	97.55
Fourth Year	98.94
Fifth Year	98.32
Over All Pass Percentage	97.22

### Grievances:

Number of complaints/ grievances about evaluation	Number of revaluation/ Scrutiny applications
14	43

### No. of Degrees to be Conferred in 17 Convocation Ceremony -2025

Ph.D. (From October 01, 2024 to August 8, 2025)	171
Post Graduates	1053
Under Graduates	2544
Diploma	653
<b>Total</b>	<b>4421</b>

## INTERNAL QUALITY ASSURANCE CELL (IQAC)

IQAC Office Bearers and Ranking Team members		
S. No	Core IQAC Team	Designation
1	Dr. Syed Misbahul Hasan	Director
2	Dr. NaimuRahman Kidwai	Deputy Director
3	Dr. Moiz Akhtar	Assistant Director
4	Dr. Tasneem Ahmad	Ranking Team Member
5	Dr. Roshan Jahan	Ranking Team Member
6	Dr. Divesh Dutt	Ranking Team Member

### Composition of IQAC

S.No.	Composition of IQAC	Member's Name
1.	Chairperson	Prof. Javed Musarrat (Vice Chancellor)
2.	Administrative Officer	Registrar Controller of Examinations Dean, Research & Development Dean, Students' Welfare Director, HRDC Dean, Engineering & IT Dean, Integral Business School Treasurer Librarian Director, CCG&D Deputy Director, IQAC
3.	Teachers	Prof. Abha Chandra, Dean (IIMSR) Prof. Ashfaque Khan, Director- IIAHSR Prof. Naseem Ahmad Jafri, Law Prof. Kuldeep Singh, Faculty of Pharmacy Prof. Prem Kumar Bharti, Engineering & IT Dr. Zeeshan Raza Khan, Engineering & IT Mrs. Kavita Agarwal, Engineering & IT Dr. Moiz Akhtar, Integral Business School
4.	Member from the Management	Prof. Furqan Qamar, Chief Advisor to the Chancellor
5.	Nominees from local Society, Students and Alumni	Dr. Salman Khan President, IU Alumni Association Mr. Sabauddin, Gram Pradhan, Bhakhamau Ms. Deepa Neopane, Research Scholar
6.	Nominees from Employers/ Industrialist/ Stakeholders	Dr. Deepak Kumar Singh, CEO, D K Infosolutions Ravi Kumar Trivedi, Vice President Zydus Pharmaceuticals Prof. Iqbal Parwez, Former Dean, Academic affairs, BGSBU Anamika Singh, LITSA Services Dr. Niraj Gupta, Principal Consultant, vCreaTek Consulting Services Pvt. Ltd.
7.	Director of the IQAC	Prof. Syed Misbahul Hasan

**“Quality is never an accident;** it is always the result of high intention, sincere effort, intelligent direction, and skillful execution; it represents the wise choice of many alternatives”. These sagacious words of William A. Foster aptly highlight the need for making conscientious efforts toward achieving quality in all the spheres of human activity and more so in academic settings where impressionable minds are forged with the vision of evolvement of society. For holistic engraining of quality attributes in institutes of higher education and for their sustenance, the National Assessment and Accreditation Council (NAAC) of the University Grants Commission prescribes guidelines for establishment and functioning of Internal Quality Assurance Cell (IQAC) in universities accredited by it. IQAC of the university is actively engaged in quality assurance through initiating policy formulation, developing and improving data collection and initiating strategies for improvement.

### **Aims of the Internal Quality Assurance Cell (IQAC):**

To ensure that quality remains a core focus amid this growth, the National Assessment and Accreditation Council (NAAC) mandates the establishment of an Internal Quality Assurance Cell (IQAC) in every accredited institution. The IQAC functions as a nodal agency to promote and sustain a culture of quality and continuous improvement across academic and administrative domains. The prime task of the IQAC is to develop a system for conscious, consistent and catalytic improvement in the overall performance of institution. Internal Quality Assurance Cell (IQAC) was established in the year 2015. The Peer Team of NAAC (2nd cycle) visited the University from 08th to 10th May 2023, and University has been awarded with A+ Grade by NAAC. It is functioning in accordance with the guidelines promulgated by UGC and NAAC from time to time. The overriding endeavor of the cell is to ensure the best quality in all aspects of functioning of the university by monitoring, mentoring and enabling the gamut of academic and administrative activities in pursuance of the following aims:

- To develop a system for conscious consistent and catalytic improvement in the performance of institution.
- To make significant and meaningful contribution in the post-accreditation phase.
- Foster innovation in curriculum design and delivery.
- Establish outcome-based education (OBE) frameworks.
- Promote industry-academia collaboration.
- Enhance student employability and satisfaction.
- Institutionalize best practices in governance and administration.

### **Meetings organized by IQAC:**

<b>Dates of Meeting</b>	<b>Subject</b>	<b>No. of Members Present</b>
24 May, 2025	IQAC meeting	34
10 September, 2024	IQAC meeting	24

### **Accreditation/Ranking Status:**

- **“The NIRF-2024”** by the Ministry of Human Resource Development (MHRD) has ranked the University 45 in the Pharmacy Category, 101-150 slab for University Category and 201-300 slab for Engineering category in India.
- **Integral University is positioned among the top universities in the country by World University Rankings for Innovation (WURI) 2025.**



### WURI Rankings 2025

Category	Rank in 202 5
Student Support & Engagement	30
Crisis Management	31
Technology Development and Application	46
Global Top 400 Institutions	258

Rankings 2025	Rank
IIRF	<b>Architecture (Pvt) State 2, India 25</b>
	<b>Design (Pvt):State 6, India 67</b>
	<b>Law (Pvt):State 4, India 38</b>
	<b>B-Schools (Pvt):State 4, Zonal 39, India 38</b>
	<b>B-Schools State Pvt University: State 3, Zonal 14, All India 37</b>
	<b>BCA Colleges (Pvt): State 7</b>
	<b>Private University State 7, Zonal 25, India 55</b>
<b>Private University (Best for Medicine &amp; Allied):State 4, Zonal 11, India 17</b>	

<b>GHRD Ranking</b>	<b>Architecture</b> Overall 12, <i>Group (Excellence)</i> 6, Zonal 3, State 1 <b>Law</b> : North Region Rank 2, State Rank 1
<b>THE Impact</b>	<b>Overall:</b> 1001-1500 <b>SDG3:</b> 801-1000 <b>SDG7:</b> 401-600 <b>SDG12:</b> 301-400 <b>SDG17:</b> 1001-1500
<b>The WEEK</b>	<b>Law College (Pvt):</b> India 34, North Zone 14
<b>India Today-MDRA</b>	<b>Engineering:</b> Overall 181 Emerging 151 <b>Medical:</b> Overall 54 Emerging 16 <b>B.Com:</b> Overall 116 Emerging 22 <b>B.B.A.:</b> Overall 107 Emerging 47 <b>B.C.A.:</b> Overall 80 Emerging 23 <b>B.A.:</b> Overall 121 Emerging 25 <b>Law:</b> Overall 52 Emerging 28 <b>B.Sc.:</b> Overall 108 <b>Architecture:</b> Overall 31 <b>General (Pvt) University:</b> Overall 38
<b>Shimago Ranking 2025 India Universities</b>	<b>India Universities:</b> 177 <b>Agriculture and biological Science:</b> 46 <b>Biochemistry, Genetics and Molecular Biology:</b> 160 <b>Chemistry:</b> 208 <b>Computer Science:</b> 202 <b>Energy:</b> 219 <b>Engineering:</b> 226 <b>Mathematics:</b> 255 <b>Medicine:</b> 121 <b>Environmental Science:</b> 17 <b>Pharmacology, Toxicology and Pharmaceutics:</b> 123
<b>Edu Rank</b>	World 5926, India 323, State 34
<b>Career 360° B-Schools</b>	AA+

- Undergraduate Program in Computer Science and Postgraduate Program in Management have been accredited by the National Board of Accreditation (NBA) for a period of three years. (Academic Year 2025-26, 2026-27 and 2027-28 up to 30.06.2028).
- Our institution has been awarded the prestigious QS I-GAUGE Diamond Rating Award for the period of 25th March 2025 to 25th March 2027.

#### ACTIVITIES FORMULATED DURING THE YEAR BY IQAC

1. The Internal Quality Assurance Cell (IQAC) has organized interactive session on “Road to Excellence with QS Rankings and Ratings as Institutional Benchmarks” by Dr. Ashwin Fernandes, Executive Director (AMESA), QS on 04th March 2025.



2. Internal Academic Audit of all departments were carried out by the University in association with IQAC.
3. Yearly targets according to NAAC criterion 1-7 are given/set up for all the departments to meet the NAAC expectations in all aspects yearly.
4. IQAC submitted to NAAC online AQAR for the session 2023-24 has been approved successfully on 17th February 2025.
5. Different formats have been designed by IQAC to support smooth functioning in financial assistance for faculty.
6. The IQAC is preparing for III Cycle of Accreditation to be done by NAAC for the core committee and sub committees were revised for proper and smooth conduction of NAAC related activities, as per schedule timeline.

**Various programs on different topics have been conducted in association with IQAC and different departments of the University. The details are given below:-**

Department	Name of the Activity
Architecture	Online Teachers Training Program: Academic Writings in the Domains of Architecture & Design.
Mechanical Engineering	Workshop : Industrial Energy Efficiency and Decarbonization Using Virtual Reality Based Digital Twin Training Simulators.
Electrical Engineering	2nd IEEE International Conference: Computational and Characterization Techniques in Engineering & Science (CCTES 2024).

Pharmacy	Seminar: One Health Approach to Antimicrobial Resistance” on occasion of World Antimicrobial Resistance Awareness Week (WAAW) -2024.
Commerce	Workshop: Profitable Financial Investments as Business Sustainability.
Computer Application	Workshop: Ethical Hacking Tools and Techniques
HRDC	Short term Course: Mastering Cloud Computing Essentials with AWS.
SPS	Workshop: Essential MS Office Skills.
Physiotherapy	Faculty Development Program: Intellectual Property Rights.
Law	Workshop: A Feminist Discourse in relation to the Recent Amendments under the Criminal Laws.
Physics	Seminar: Physics of Novel Magnetic and Superconducting Materials.
Mathematics	Seminar: Mathematics, Arts and Creativity
Chemistry	Advanced Skill Development workshop on Operation and Applications of LC -MS/MS.
Bioscience	Workshop: Laboratory Biosafety Training.
CSE	Seminar: Cyber Security
Civil Engineering	Workshop: Sustainable Materials for UltraTech Cement Pvt. Ltd. Employees.
Humanities & Social Sciences	Seminar: Indian Knowledge System: Interdisciplinary Insights & Contemporary Discourse.
Bioengineering	International Conference: Trends And Innovations In Science & Engineering -Bridging the Industry-Academia Interface (TISE CON 2025).
Education	Seminar: Education for Sustainable Development (ESD): National Perspective
Environmental Science	Workshop: Sustainable Blueprint of Environmental Education and Research Opportunities.
Nursing	Faculty development program: Outcome Based education .
Electronics & Communication Engineering	Workshop: Challenges of 21 <sup>st</sup> century Education and Introduction to OBE

### Patent Published/Grant for the Session 2024-25

Pursuant to Research Incentivization Scheme (RIS) of university initiated by IQAC for promoting research & innovation, total 76 patents have been published/ granted by faculty/ staff of the university.

Number of Patents Published : 57

Number of Patents Granted : 19

List of Important “Memorandum of Understanding” Signed during the year 2024-25

With an objective to bring excellence in academic pursuits and open its wings to avail of services from technologically equipped reputed National and International organizations the University has signed Seventeen Memorandum of Understanding (17 MoU's) during the year 2024-25 with following:

### National-Memorandum of Understanding:

- ✉-train Education Pvt. Ltd (HCL-tech)
- ✉Board of Apprenticeship Training (Northern Region)
- ✉nstitute of Entrepreneurship Development, U.P. (IEDUP), Lucknow, India
- ✉The Indus Entrepreneurs (TiE), Lucknow
- ✉FICCI FLO
- ✉nnoviotech LLP
- ✉G&A Itech Innovation Foundation
- ✉Abdulkabir Aliu Foundation, Abuja, Republic of Nigeria

Institute of Engineering & Technology, Bundelkhand University, Jhansi, Uttar Pradesh, India

Centre for Bio-Medical Research (CBMR), Lucknow

Berry Avionics

Jazaa Business Services Private Ltd

Nurture Life NGO

### **International Memorandum of Understanding:**

Southern Institute of Technology Ltd., New Zealand

Institute of Microbiology of the Academy of Sciences of the Republic of Uzbekistan

Cotton Breeding, Seed Production, and Agrotechnologies Research Institute of The Republic of Uzbekistan

Research and Production Center for Growing and Processing Medicinal Plants Ruz

Further details of quality measures taken by the various departments and departmental Quality Assurance Cells (DQACs) in coordination with the university IQAC are available on their respective pages in this Annual Report.

**(Prof. Syed Misbahul Hasan)**

Director, IQAC

## RESEARCH & DEVELOPMENT AND DOCTORAL STUDIES

**Prof. Wahajul Haq**: Dean, Research & Development, Dean, Doctoral Studies, Director, ICEIR

**Dr. Shahper Nazeer Khan**: Associate Professor, Department of Biosciences, Dy. Director, ICEIR

**Dr. Ahmad Ghazali Kidwai**: Section Officer, Research & Development and Doctoral Studies

### **Integral Centre of Excellence for Interdisciplinary Research**

Integral University is a premier, NAAC grade A+ accredited fostering interdisciplinary research in frontiers areas of science, engineering and social sciences by providing state-of-art infrastructure as well as conducting atmosphere to Research and Development activities of the faculty if the university. The university has Integral Centre of Excellence in Interdisciplinary Research (ICEIR) at 4th floor of the library building spread in 15000 sq foot area. The Center has several well-furnished laboratories with specialized areas of research including cell biology, plant biotechnology, bioengineering, microbial engineering, medicinal chemistry, pharmaceutical sciences and stem cell biology. Approximately 80 research scholars are working in the center for their research projects.

(ICEIR Website: [https://www.iul.ac.in/ICEIR/R\\_and\\_D\\_Cell.aspx](https://www.iul.ac.in/ICEIR/R_and_D_Cell.aspx))

The ICEIR aims to facilitate the interdisciplinary research, High-Impact publications, guidance and support for Extra Mural Funding, cultivating the collaborative research activities as well as organizing the scientific meetings & trainings. The ICEIR has a Common Instrumentation Facility (CIF) equipped with modern analytical equipments required for interdisciplinary research in the University. The equipments at CIF are operated by the well-trained staff and properly maintained for its optimal functions. The analytical services at the CIF are not limited to the students of the Integral University but it is open to the researchers of the outside universities on a nominal charge.

### **Major equipment of Central Instrument Facility of ICEIR are listed below:**

1. Inductively Coupled Plasma Mass Spectrometer (ICPMS)
2. Liquid chromatography-mass spectrometry (LC-MS)
3. Confocal Microscope
4. Flow cytometry
5. Real-Time Reverse Transcription – Polymerase Chain Reaction (RT-PCR)
6. Spectrophotometry
7. X-ray diffraction (XRD)
8. High-performance liquid chromatography (HPLC)
9. Nanodrop
10. Bioinformatics

During the period of report several research samples were received from the faculty and students of the university and some from the other academic institutions also. A total of 9130 samples were analyzed in different instruments and data provided to concerned researchers.

In addition to the Integral Centre of Excellence for Interdisciplinary Research the university provides support and also incentives to meritorious researchers in various forms to recognize the research output including cash incentives as well as financial support in the form of research projects. The major support for promoting research during the time of report are summarized below.

Integral University Awards for promoting Research in various disciplines.

The University has instituted several awards given annually for faculty and students in recognition for their excellent performance and achievements. These awards are aimed to encourage the faculty and students for promotion of Academic/Research and sports activities and create healthy competitive environment in the University. The recipients of the prestigious Integral University Awards for the year 2024 are.

### 1. OUTSTANDING RESEARCHER OF THE YEAR AWARD (For Faculty):

(Arts/Social Sciences/ Management)

Award: Trophy and Prize of Rs. One lakh as Research Grant

**Dr. Asma Farooq Department of Business Management**

### 2. OUTSTANDING RESEARCHER OF THE YEAR AWARD (Fo Faculty):

(Sciences/Biological Sciences/Engineering)

Award: Trophy and Prize of Rs. Two lakhs as Research Grant

**Dr. Tahmeena Khan Department of Chemistry**

### 3. BEST INNOVATION AWARD (For Faculty):

(Development of innovative product /prototype/patent by an individual or a group/consortium)

Award: Trophy and prize of Rs. Fifty Thousand as Research Grant).

**Dr. Asif Khan Department of Computer Application**

### 4. BUDDING INNOVATOR AWARD (For University Students):

(For developing any innovative product/ novel prototype/ path breaking research carried out by individual or group [Teacher(s) or student(s)])

Award: Trophy and Cash prize of Rs. Ten thousand only

**Mr. Hozaifa Shakeel Department of Computer Science & Engineering**

## University Support Schemes for Research Promotion

The University offers several attractive supports and incentives to the faculty and students of the university engaged in R&D activities for their encouragement. A brief account of these outcomes of these schemes is given below.

### Research Incentivization Scheme (RIS)

The prime objective of the financial incentive scheme for research and innovation is to motivate the faculty members of Integral University to undertake high-quality research and consultancy. Publications in high impact factors and books in reputed publications are considered for the cash incentives according to the well-defined policy. A sum of Rs 1938748.5 (Rupees Nineteen Lakhs Thrity Eight Thousand Seven Hundred Forty Eight only) has been given to the deserving faculty members according to the regulation of the Research Incentivization Scheme (RIS) of the university. The details are furnished in the table.

S No	Month/Year	No. of Faculties (Publications)	No. of Faculties (Books/ Book Ch)	Total Conferences Held	Total FDP Prog.	Membership to the Scientific Society	Total Amount (INR)
1	July-Sept 2024	82	32	24	5	25	<b>764342</b>
2	Oct-Dec 2024	52	40				<b>589232</b>
3	Jan-Mar 2025	48	49				<b>585174.5</b>
4	April-June 2025	Under Process					-
<b>Total</b>							<b>1938748.5</b>

## Research Publications

The university has around 1050 publications in reputed peer reviewed journals indexed in Scopus, Web of Science, UGC Care-1 etc during the period of report.

## Patents

The university has functional Patent Cell to provide technical support and bears financial expenses for filing patents of the translational research carried out by the university faculty. The fee for filing patent, publication and early examination for the Indian patents (with Integral University as applicant and individual/team as inventors) as per University IPR policy shall be reimbursed, as per actual against the claim form.

During the stipulated time (2024-25) the university filed 75 patents. 57 patents are published. It is remarkable that during this year 19 patents are granted.

## Institutional seed money grant 2024-25

The Integral University annually allocate funds to deserving faculty members in the form of Institutional Seed Grant (ISG) for providing support to young faculty for the purpose as specified in the scope, and in tune with the institution's mission and goals. The ISG shall be provided through the annual budgetary allocation from the internal resources. The grant is sanctioned after the proper scrutiny and review of the proposals submitted by the faculty members in response to the call given from office of the Dean Research and Development. Honorable Vice Chancellor of the University is the final authority for sanctioning of the seed money grant.

In continuation to this program, a total of 19 eligible faculty members of the university from different departments including sciences, engineering, business management and medical sciences and a grant to a group of 7 members were selected for the Institutional seed money grant for the year 2024-25. A sum of Rs.79,58,000.00 (Rupees Seventy Nine Lakhs Fifty Eight Thousand only) was disbursed among the faculty.

## Establishment of Research and Development Cell (RDC)

(As per Guidelines for Establishment of Research & Development Cell in Higher Education Institutions, vide UGC letter F No. 1-5/2021 (NEP/DESK-PARL dated March 14, 2022)

In the dynamic landscape of academia, the establishment of a Research and Development Cell (R&D Cell) within educational institutions has become not just a necessity but a catalyst for growth and innovation. The R&D Cell plays a pivotal role in nurturing a culture of inquiry, innovation, and continuous advancement. Therefore, Integral University has established a Research and Development Cell (RDC) within the Integral Centre for Excellence in Interdisciplinary Research (ICEIR), in alignment with UGC guidelines and the vision of Atma-Nirbhar Bharat, as outlined in NEP 2020. The primary objective of the RDC-ICEIR is to cultivate a robust research ecosystem in accordance with NEP-2020 mandates. This encompasses various vital components such as human capital, intellectual resources, governance, finances, information management, research promotion, ethical considerations, capacity building, and monitoring mechanisms.

*Website: [https://www.iul.ac.in/ICEIR/R\\_and\\_D\\_Cell.aspx](https://www.iul.ac.in/ICEIR/R_and_D_Cell.aspx)*

## Extramural Funding

The faculty members received extramural funding from the government agencies in recognition to the scientific merit and competence of the faculty members. Following project are in-force during the period of report.

## Biosciences

1. Elucidation of Hsp 90 inhibition in combination with repurposed drug Metformin as a therapeutic strategy against lung cancer. PI-Dr. Snober S Mir. Science & Engineering Research Board (SERB), Department of Science & Technology (DST) 11-09-2023-26 [Rs. 36.45]
2. An approach towards improving care for Alzheimer's disease and type 2 Diabetes mellitus through the design of nano-chaperones targeting amyloid-beta peptide and islet amyloid polypeptide aggregation.

PI-Dr Salman Khan. Science & Engineering Research Board (SERB), Department of Science & Technology (DST)09-19-2023-26 [Rs. 25.56]

3. Unraveling the functional cooperation between Ubiquitin- protease pathway and Xenophagy (Selective autophagy): Role of Toxin-Antitoxin (TA) family proteins of Mycobacterium tuberculosis. PI-Dr Mohd Khubaib. Council of Science and Technology (CSTUP), Uttar Pradesh [Rs. 13.44]
4. Investigating the role of Icariside II (ICSII) in Parkinson's Disease model. PI-Dr. Mohammad Rumman. UP Council of Science & Technology (UP-CST) [Rs. 15.36]

### Bioengineering

5. Study and validation of the anticancer potential of prominent Unani medicines and their nano formulations as an adjuvant against liver carcinoma. PI-Dr. Iffat Z Ahmad, CCRUM- Collaborative Research Scheme, Ministry of AUSH, Government of India 2022-2025 [ Rs. 28.288]

### Pharmacy.

6. Design, Synthesis and Biological evaluation of novel benzopyran derivatives as anti-tubercular agent. PI- Dr. Kuldeep Singh. Council of Science and Technology (CSTUP), Uttar Pradesh [Rs. 10.44]

### Agriculture

7. Collection, Evaluation, and Characterization of Pigeon Pea Germplasms (Wild/Landraces/Varieties) for Climate Resilient Traits to Secure Nutritional Security in Uttar Pradesh, India. PI- Dr. Deepti Srivastava, UP State Biodiversity Board [Rs. 47.25]
8. Agriculture Assessment of Microbial Biodiversity in Forest Ecosystems of Dudhwa Tiger Reserve, Lakhimpur Kheeri. PI- Dr. Faria Fatima, UP State Biodiversity Board [Rs. 48.5]

### Environmental Science

9. In vitro secondary metabolite Production through Hairy Root Cultures in Elicostemma axillare -an important medicinal plant. PI- Dr. Syed Saema, Council of Science & technology UP(CSTUP) [Rs. 11.86]

### Integral Research Fellowship:

The Clause 4.1 of the Ph D Ordinance describes the provision of Integral Research Fellowship (IRF) for the Ph.D. Entrance Test rank holders. Integral Research Fellowship to the tune of Rs. 6000/- per month will be awarded to a meritorious student on top of the merit list in Ph.D. Entrance Test of Integral University in each discipline for a maximum period of three years after successful completion of course work in 1st attempt and subject to fulfillment of the condition specified for Ph. D. admission regulations. The Fellowship will be awarded only to full-time (Internal) research scholars who are not getting any other fellowship. The progress of the research will be reviewed for the further extension of the fellowship to following years.

For the current session 2024-25 admissions the implementation of the fellowship was effective after the completion of the course work from April 2025. The total amount of Rs.540000/- (Rupees Five Lakhs Forty Thousand Only) has been sanctioned.

### For the previous years, details are as below:

IRF for the year 2022-23 = 720000/-

IRF for the year 2023-24 = 756000/-

Disbursement of Rs. 1476000.00 (Rupees Fourteen Lakhs Seventy Six Thousand Only) has been released to 21 selected students in different department of the University.

During the period of report, Integral University has got recognition from the scientific & Industrial Research Organization (SIRO) as Public Funded Research Institution (PFRI) in the country. This enables exemption on import duty on scientific instruments.

## Doctoral Studies Cell

Doctoral Studies for Ph.D program is of vital importance to encourage students' originality and creativity and to enhance their research skills. It gives an opportunity to learn organized research process in making and testing hypothesis, in developing new theories and in planning and conducting design experiments.

Doctoral Studies provide opportunities to expand students' knowledge of his research area, including its theoretical foundations and specific techniques used. The purpose of Ph.D is to discover various pathways to scientific procedures, logics and analytical methods. Each research study has its own specific purpose. Research process consists of series of actions or steps like Literature review, formulation of hypothesis, design, analysis and validation etc.

## Highlights

**Following are the important activities involved in Ph.D Program:**

### a. Research Development Committee (RDC)

RDC meets twice a year with the presence of external expert also to evaluate the progress and performance of Doctoral students. RDC consists of External & Internal experts, Dean (Doctoral Studies), Dean of the faculty, Departmental Ph.D. Coordinator, Supervisor and HoD etc.

#### The functions and duties of RDC as under:

¶ To allocate the research supervisors, course work, review the research proposal and finalize the research topic based on availability of the expertise and infrastructure.

¶ To periodically examine and review the progress of Ph.D. scholars' research work for evaluation and guidance.

¶ To give permission for Pre-Ph.D. presentation to the scholar which may be conducted as open presentation before the Research & Development Sub-Committee (RDSC) considering the completion of their research objectives, number of RDCs attended, research papers and required grades.

¶ RDC may assign or approve certain functions/duties to the RDSC.

### b. Pre-Ph.D presentation.

The above is conducted in front of Research Development Sub-Committee.

RDSC consists of Dean (Doctoral Studies), Dean of the faculty, Supervisor and HoD etc. Following procedure is followed.

§ Students are required to bring one spiral bound thesis on the day of Pre-Ph.D.

§ Students give presentation of their complete research work.

§ Fee status and research publications related to students' research are checked and verified.

§ Suggestions are offered by the committee members to improve thesis (if any).

§ Students are permitted for thesis submission after successful presentation in Pre-Ph.D.

### c. Ph.D. Final defence (Open Viva)

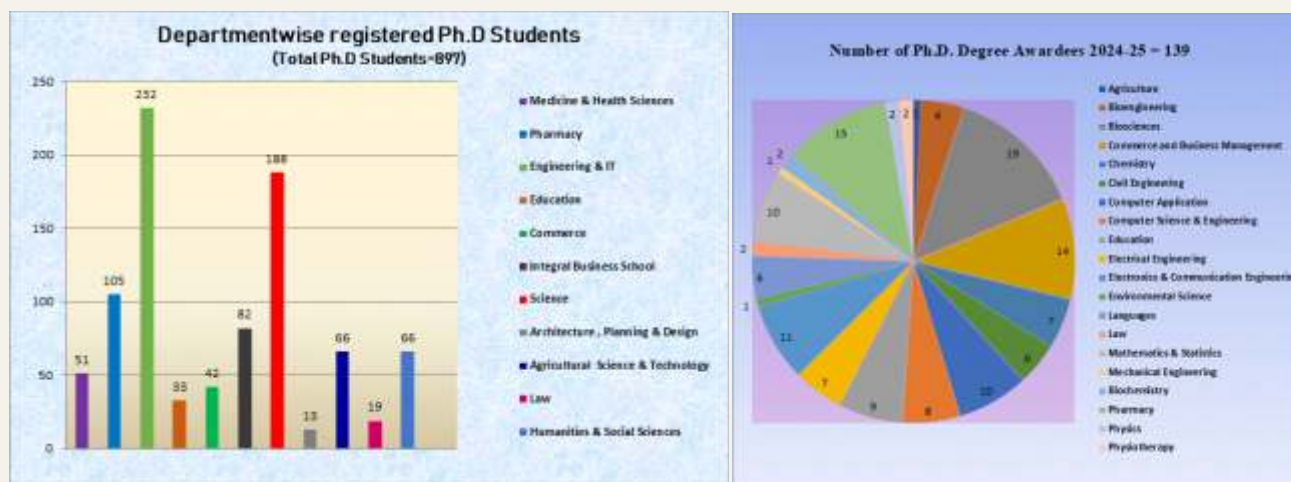
¶ Final viva is conducted on receiving positive reports from the external experts.

¶ Student has to defend his/her research work in presence of external expert.

§ Successful final viva by the doctoral student leads to completion of the Ph.D. programme and Ph.D. degree is awarded.

## Number of registered Ph.D. students:

Total number of students pursuing research in various faculties is 897 during session 2024-25. Faculty-wise registered students break up are shown below:



### Number of Ph. Ds Awarded

Several students who successfully completed their research work, submitted thesis and successfully defended in viva-voce examination are considered for recommendation for award of Ph.D. Degree by Examination Sub-Committee of the University. This is an ongoing exercise and the data of Ph.D. awardees is finalized at the time of Convocation.

At the time of Convocation 2024, total 139 Ph.D. Degree in different discipline were awarded for the session 2024-25 from the Integral University.

### Ph.D. Ordinance

- Ph.D. Ordinance is prepared as per the UGC regulations.
- It is revised as and when required and approved by Academic Council.

### Academic Calendar

Ph.D. Academic Calendar is prepared for each year with tentative dates of publishing the Ph.D. vacancies, entrance test, interviews, admission and RDC meetings.

### Thesis Format

Format has been prepared and shared with all the concerned to bring uniformity in thesis.

It is also revised as and when required.

### Forms under use

- Ph.D. Progress Report Form (No. IU/DS/007/23-24)
- Pre-Ph.D. Request Form (No. IU/DS/006/23-24)
- Thesis Submission Form (No. IU/DS/004/23-24)
- Manuscript Communication Number Acquiring Form (No. IU/DS/005/23-24)
- Pre-Ph.D Process Improvement format (No. IU/DS/0011/23-24)
- Supervisor certificate proforma for Pre-Ph.D presentation (No. IU/DS/0012/23-24)
- Performa for Shortcomings observed at Pre-Ph.D stage (No. IU/DS/0012/23-24)

## SOLAR DEVELOPMENT CELL

The transition to sustainable energy sources has become a global imperative, and Integral University has taken decisive steps toward this goal through the establishment of the Solar Development Cell in the autumn of 2018. This initiative reflects the University's commitment to environmental responsibility, cost-effective energy solutions, and alignment with global climate change mitigation efforts. By investing in solar photovoltaic (SPV) technology, the University aims to significantly reduce its dependence on conventional grid electricity, lower carbon emissions, and contribute meaningfully to the objectives outlined in the Paris Climate Accord.

India's leadership in forming the International Solar Alliance underscores the national priority toward harnessing solar energy, and Integral University proudly echoes this vision by integrating green electricity into its infrastructure. The Solar Development Cell serves as the cornerstone of this transition, dedicated to implementing solar solutions which offer both ecological benefits and financial savings. This report highlights the progress, achievements, and future directions of our green energy initiatives as we continue to evolve into a campus powered increasingly by sustainable energy.

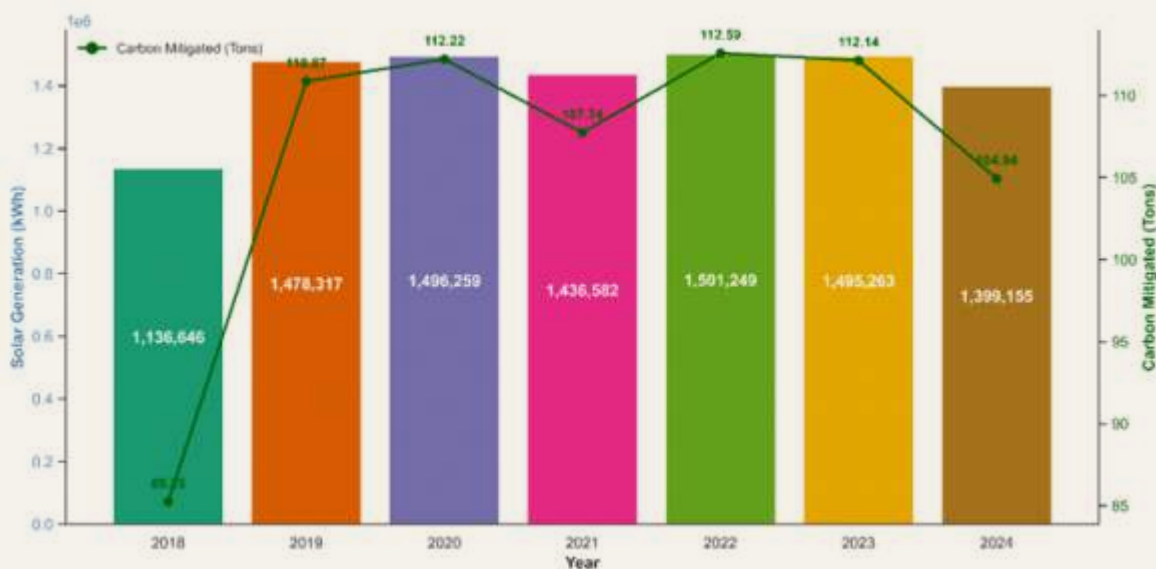
As part of the policy established by the Internal Quality Assurance Cell (IQAC), the university aims to increase the existing solar power capacity by 200 kWp annually. In line with this objective, two new solar power installations, each with a capacity of 200 kWp, have been commissioned—one at the Phase-3 campus and the other on the rooftops of the boys' hostels (Hall-1 and Hall-2). With these additions, the total installed solar capacity at Integral University has reached approximately 1.4 MW, which is nearly equivalent to half the university's total sanctioned load from the electrical grid.

In addition to generating solar photovoltaic power from the installed solar plants, the university has also begun utilizing solar energy for water heating through solar water heaters installed at the Phase-3 Campus. Furthermore, solar-powered water pumps are also being used for irrigation of agricultural fields managed by the Department of Agriculture.

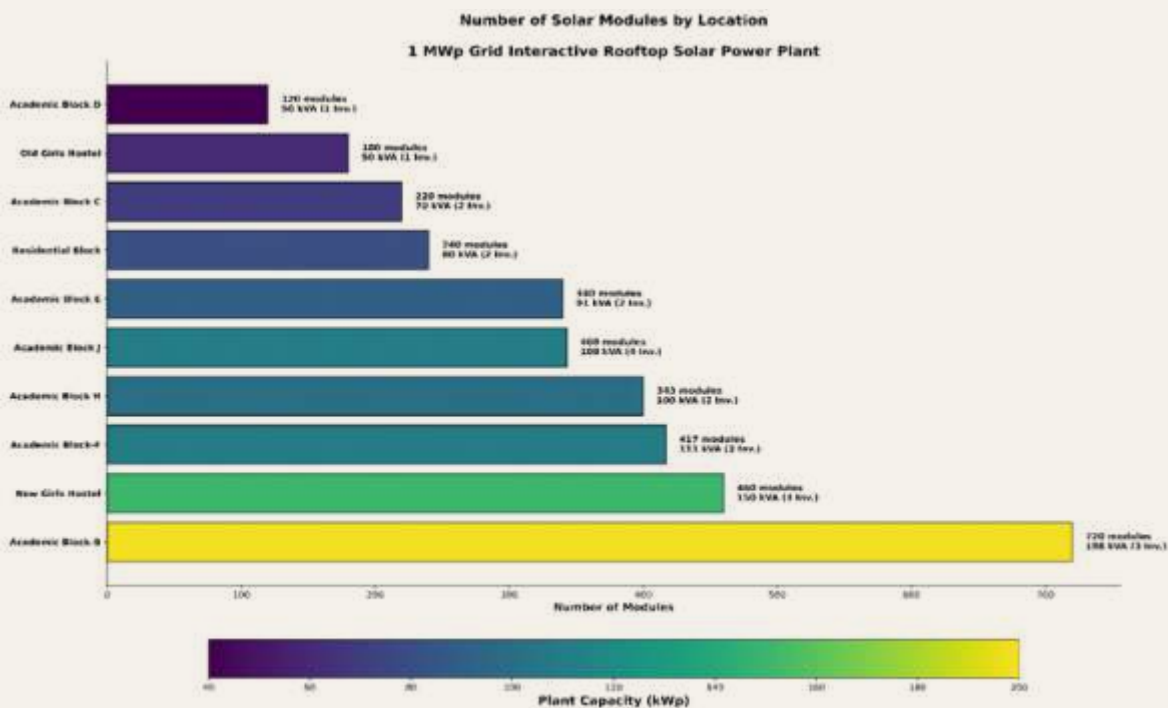
**Details of the Carbon Mitigation due to the above solar installations are mentioned below:**

Year (Duration: Jan -Dec)	Solar Generation ( kWh)	CO <sub>2</sub> Mitigated (Tons)
2018	1136646	85.25
2019	1478317	110.87
2020	1496259	112.22
2021	1436582	107.74
2022	1501249	112.59
2023	1495263	112.14
2024	1399155	104.94



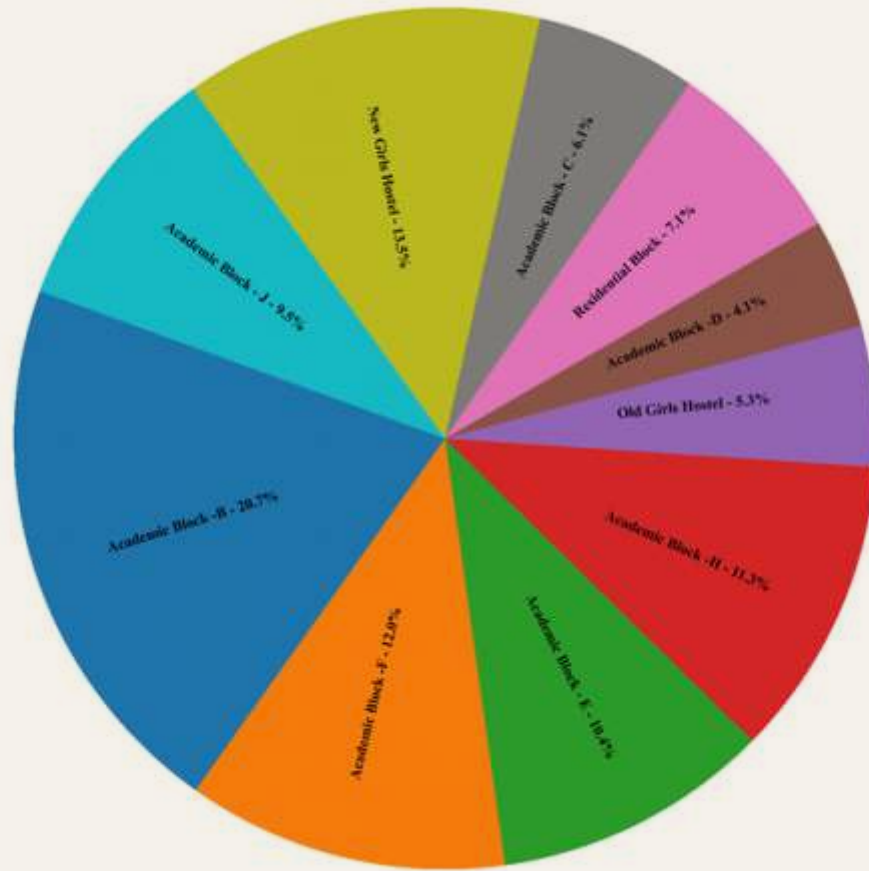


Solar Generation & Carbon Mitigation  
by Rooftops of the  
1 MW Grid-Interactive Solar Power Plant  
for the period  
2018 - 2024



Solar Modules & Inverter Profiles  
by Rooftops of the  
1 MW Grid-Interactive Solar Power Plant

Total Solar Generation = 14 Lakh Units



Solar Photovoltaic Generation Profile for the Year-2024 (Jan-Dec)  
from Building Rooftops of the  
1 MW Grid-Interactive Solar Power Plant

# INTEGRAL STARTUPS FOUNDATION (ISF)

## CENTRE FOR INCUBATION & ENTREPRENEURSHIP DEVELOPMENT (CIED)

### INTEGRAL UNIVERSITY, LUCKNOW

**Dr. Nida Fatima** : Addl. Pro-Chancellor

#### Executive Summary

Integral Startups Foundation–Centre for Incubation & Entrepreneurship Development (ISF-CIED) is an established and dynamic Incubation Centre of Integral University, Lucknow, striving to foster and catalyse the startup ecosystem not only in the state of Uttar Pradesh but beyond. As a Section 8 not-for-profit company, ISF-CIED is officially recognized by StartInUP, Government of Uttar Pradesh, and is dedicated to nurturing innovation, entrepreneurship, and grassroots problem-solving. With its dynamic and inclusive ecosystem, ISF-CIED supports both incubated and pre-incubated startups, social innovators, student entrepreneurs, and early-stage ventures. It serves as a bridge between academic research and real-world impact, helping ideas evolve into viable and scalable solutions. ISF-CIED is a sector-agnostic incubation centre with a strategic focus on Agritech, Quantum Computing, HealthTech, AI/ML, EdTech, FinTech, Supply Chain and Logistics, Sustainable Textiles, and beyond. This wide-ranging domain coverage ensures startups from diverse industries find a nurturing environment tailored to their needs.

What sets ISF-CIED apart is its equity-free incubation model, which allows founders to retain full ownership of their ventures while receiving comprehensive support throughout their entrepreneurial journey. The foundation provides fully furnished office spaces within the university campus, dedicated meeting and conference rooms, high-speed internet, and access to a strong network of mentors, industry experts, and startup advisors. Startups incubated at ISF-CIED benefit from go-to-market strategies, branding and digital marketing support, legal and intellectual property guidance, and access to various funding channels including government grants, angel investors, and venture capital firms. In addition, ISF-CIED offers personalized mentorship, business development support, and access to state-of-the-art research facilities across diverse domains at Integral University, ensuring each venture is equipped to grow sustainably and innovatively.

Currently, ISF-CIED is supporting more than 80 startups and grassroots innovators, many of which have shown impressive growth and impact. We are also proud to highlight that a few of our incubated startups, including Kosh - Treasure of Khadi, Humany Eco Innovations, and Nutty Village, are setting new benchmarks in sustainability and eco-friendly innovation. These startups are not only securing substantial funding and generating good revenues but are also earning prestigious accolades for their innovative contributions to their industries. These startups have not only generated employment but have also contributed to solving real societal challenges.

Integral Startups Foundation–Centre for Incubation & Entrepreneurship Development (ISF-CIED) continues to be a driving force for innovation-led growth, sustainability, and social impact. Its commitment to building a vibrant entrepreneurial ecosystem without compromising founder equity makes it a truly startup-first incubator, dedicated to nurturing the ideas that will shape tomorrow's India.

#### List of Significant Achievements of ISF-CIED

- ISF-CIED currently supports 80+ startups and grassroots innovators, offering end-to-end incubation support including Mentorship by domain experts, Access to funding and investment networks, Research and prototyping facilities, Training programs and workshops, Collaborative networking opportunities.
- ISF-CIED is currently incubating 43 startups (41 through StartInUP), each making significant strides in diverse domains.
- ISF-CIED has successfully pre-incubated a total of 38 startups, with an incredible 16 of them being launched by students ranging from grades 2 to 9.
- Successfully hosted the prestigious Grand Finale of the Smart India Hackathon – Software Edition on December 11–12, 2024, in collaboration with the Ministry of Education's Innovation Cell (GoI), AICTE (GoI), and SBI Foundation.
- Proudly hosted the Innovation, Design, and Entrepreneurship (IDE) Bootcamp for Teachers of PM SHRI Schools in association with the Department of School Education & Literacy (DoSEL–GoI), AICTE, (GoI), Ministry of Education's Innovation Cell (GoI), and NCERT. The transformative two-day bootcamp was held from December 06–07, 2024, at Integral University, Lucknow.

- Successfully hosted the Innovation, Design, and Entrepreneurship (IDE) Bootcamp – Edition 2, Phase 1, in collaboration with AICTE, (GoI), and the Ministry of Education's Innovation Cell (GoI), from September 23–27, 2024, at Integral University, Lucknow.
- ISF-CIED participated in the India-UK-Ireland Higher Education Summit, organized by the Association of Indian Universities in collaboration with NISAU, UK, held in London from 11th to 15th February 2025.
- The centre has been selected as a Design and Innovation Centre for Excellence (DICE) by the Ministry of Education, Government of India—recognizing its commitment to fostering creativity, innovation, and entrepreneurship.
- As per the guidelines of the Innovation Cell, Ministry of Education, Government of India, Integral University has established Institution's Innovation Council in the campus under the unique identifier IC202323904. This initiative aims to cultivate an environment where creativity flourishes and innovative ideas are nurtured to address societal challenges and contribute to national development.
- ISF-CIED showcased its promising incubated startups—Nutty Village, Dark Elafi Industries Pvt. Ltd., and Affiliatekaro—at Startup Mahakumbh 2025, held from April 3 to 5 at Bharat Mandapam, New Delhi.
- ISF-CIED shines bright at UP International trade show 2024, held at the India Expo Mart in Greater Noida's Knowledge Park from September 25 to 29, 2024. Our incubated startups Soil Concept, Nutty Village, ITM Core & SRH Wellness showcased innovation, erudition and sustainability.
- ISF-CIED is an institutional member of TiE (The Indus Entrepreneurs), Lucknow Chapter. & is fostering the entrepreneurial ecosystem of Uttar Pradesh by organizing Global Pitch Competition & TiE Women Pitch Competition, under 8.10 (iii), which is brand promotion & recognition of talent hackathons under UP startup Policy 2020 (First Amendment-2022).

### Recognition & Grants Received By Our Incubated Startups

Our incubated startup, Kosh-Treasure of Khadi, specializes in producing organic Khadi and has achieved remarkable financial success, generating revenue in the range of crores. Kosh proudly exports high-quality Khadi to several European countries, including the United Kingdom, Germany, and the Netherlands, and have recently expanded its market to Japan. Nutty Village, producing organic healthy food products, received a cumulative grant of approximately 25.5 lakhs from various government and private funding agencies, recognizing its innovative approach in the agribusiness sector. Farmexa, another promising agritech venture, was awarded RKVY- RAFTAAR grant of 18 lakhs, furthering its mission to revolutionize farming with cutting-edge technology.

Several of our incubated startups have received prestigious support from StartInUP, Government of Uttar Pradesh. Vardhanam Coopetition was awarded a prototype grant of 3 lakhs to advance its sustainable and cooperative business initiatives. ITM Core Private Limited and Vaivart India OPC Private Limited each received a sustenance grant of 2.10 lakhs, furthering their growth and operational stability. Humany Eco Innovations Private Limited was recognized with a marketing allowance of 11.25 lakhs for its impactful sustainable venture, while Prayagraj Shipping & Port Services received a marketing allowance of 7.5 lakhs in appreciation of its promising business potential.

### Partnerships and Collaborations

- Collaboration and MoU with CM Yuva Mission under Department of MSME & Export Promotion, Government of Uttar Pradesh.
- Collaboration and MoU with Technology Development and Innovation Centre (TDIC), BioNEST, CSIR-IITR, Lucknow.
- Collaboration and MoU with Institute of Entrepreneurship Development, Uttar Pradesh (IEDUP)
- Collaboration and MoU with TiE (The Indus Entrepreneurs), Lucknow chapter.
- Certificate of Establishment of Institution's Innovation Council, Innovation Cell, Ministry of Education, Government of India.
- Collaboration and MoU with Wadhvani Foundation for Entrepreneurship and Skill Development.
- Collaboration and MoU with Jazaa Business Services, Noida, U.P.
- Collaboration and MoU with Federation of Indian Chambers of Commerce and Industry Ladies Organization

(FICCI FLO, Lucknow)

- Collaboration and MoU with G&A Itech Foundation.
- Collaboration and MoU with NimbleQ Eduventures Private Limited.

### Empowering Futures: ISF-CIED Partners with CM Yuva Mission, Govt. of Uttar Pradesh



Hon'ble Pro Chancellor, Dr. Syed Nadeem Akhtar, represented Integral University as Integral Startups Foundation, Integral University signed an MoU with CM Yuva Mission, Department of MSME & Export Promotion, Government of Uttar Pradesh, during the CM Yuva Conclave & Expo 2025 on July 31 to advance youth empowerment and entrepreneurship.

### Our Incubated Startups Garner Prestigious Recognition

#### KOSH- TREASURE OF KHADI

Founder - Ms. Richa Saxena



Ms. Richa Saxena, Founder of KOSH - Treasure of Khadi, an incubated startup and globally recognized sustainable brand, participated in EU Green Week on June 24, 2025, at the European Parliament, Brussels. The event, "Ecodesign Hands On: Voices from Social Enterprises", hosted by MEP Rasmus Nordqvist with the Fair Trade Advocacy Office and WFTO-Europe, featured leaders in sustainable textiles. Ms. Saxena shared her journey of building a handmade, zero-carbon enterprise and highlighted the challenges faced by small-scale producers under rigid certification systems.

**HUMANY ECO INNOVATIONS PRIVATE LIMITED**

Founder- Mr. Faiz Siddiqui & Ms. Tuba Siddiqui



Marking a significant milestone, Ms. Tuba Siddiqui, Co-founder of Soil Concept, our incubated startup, was recognized among the top five startups in Uttar Pradesh and had the honour of sharing her entrepreneurial journey before the Hon'ble Chief Minister at the CM Yuva Conclave & Expo 2025 on July 31, 2025.

**ISF-CIED Ignites Innovation: Hosting Flagship Programs with AICTE (GoI) & Ministry of Education's Innovation Cell (GoI)**

**Grand Finale of Smart India Hackathon 2024- Software Edition**



Chief Guest, Prof. Vineet Kansal, Director, IET, Lucknow, Guest of Honor, Shri B.M. Tiwari, Assistant Director, NEAT, AICTE, along with other esteemed dignitaries, organizers, participants and volunteers during the Inaugural ceremony of Grand Finale of Smart India Hackathon 2024- Software Edition, hosted by Integral Startups Foundation, Integral University, held between December 11-12, 2024, at Integral University, Lucknow.



Chief Guest Dr. Jitendra Kumar Tomar, Director of the Department of Agriculture, Government of U.P., along with Prof. Javed Musarrat, Hon'ble Vice Chancellor of Integral University, and other distinguished dignitaries, presented the trophy and cheque to the winning team during the valedictory ceremony of the Grand Finale of the Smart India Hackathon 2024 - Software Edition. The event was hosted by Integral Startups Foundation, Integral University, and took place on December 11-12, 2024, at Integral University, Lucknow.

## Innovation Design and Entrepreneurship Bootcamp For Teachers of Pm Shri Schools

06-07 December 2024



Chief Guest Shri Ravi Ranjan (MD, StartInUP- GoUP), Guest of Honor Shri Vishnu Kant Pandey, Assistant State Project Director, Samagra Shiksha, Secondary Education, Uttar Pradesh, along with esteemed Dignitaries gracing the Inaugural Ceremony of Innovation, Design, and Entrepreneurship (IDE) Bootcamp for Teachers of PM SHRI Schools.



Dignitaries, organizers, and participants of Innovation, Design, and Entrepreneurship (IDE) Bootcamp for Teachers of PM SHRI Schools, hosted by Integral Startups Foundation, Integral University, Lucknow, in association with the Department of School Education & Literacy (DoSEL), AICTE, Ministry of Education's Innovation Cell, GoI, and NCERT.

## Innovation Design and Entrepreneurship Bootcamp, Edition-2, Phase-1



Winners of the Pitch Presentation Mastery session and Social Media Contest with the Chief Guest and other dignitaries during the valedictory session on Day 5 of the IDE Bootcamp, Edition 2-Phase 1, under the Ministry of Education's Innovation Cell (MIC), Government of India, at Integral University, Lucknow



Participants showcased their innovative ideas during the Pitch Presentation Mastery session and received invaluable evaluations and feedback on Day 5 of the IDE Bootcamp, Edition 2-Phase 1, under the Ministry of Education's Innovation Cell (MIC), Government of India, at Integral University, Lucknow

## International Conference on "Trends and Innovations In Science and Engineering" (TISECON 2025)



ISF-CIED, in collaboration with Department of Bioengineering, Integral University and key partners including the Department of Biotechnology, Ministry of Science and Technology, NSERB, GoI, Institution's Innovation Council, GoI and StartInUP, GoUP & AFSTI Lucknow chapter, organized the International Conference on "Trends and Innovations in Science and Engineering" (TISE CON 2025), from February 20-22, 2025 at Integral University, Lucknow.



ISF-CIED in association with the Department of Bioengineering, Integral University, and in collaboration with key partners including the Department of Biotechnology, Ministry of Science and Technology, Government of India; the Science and Engineering Research Board (SERB), Government of India; the Institution's Innovation Council (Ministry of Education, GoI); StartInUP (Government of Uttar Pradesh); and the AFSTI Lucknow Chapter, successfully organized the International Conference on "Trends and Innovations in Science and Engineering" (TISE CON 2025) from February 20 to 22, 2025, at Integral University, Lucknow.

## ISF-CIED Makes Its Mark Internationally : India-UK-Ireland Higher Education Summit Organized By AIU In Collaboration With Nisau, UK - February 11 To 15, 2025



Dr. Nida Fatima, Executive Director, ISF-CIED & Adv. Mariyam Fatima, Director, ISF-CIED participated in the India-UK-Ireland Higher Education Summit, organized by the Association of Indian Universities in collaboration with NISAU, UK, held in London from 11<sup>th</sup> to 15<sup>th</sup> February 2025.

## ISF-CIED, Integral University actively participated in the Incubator Outreach Training Program on Entrepreneurship, Innovation, and Startup Incubation at t-Hub, Hyderabad (09-11 January, 2025)



Dr. Nida Fatima, Executive Director of ISF-CIED, Dr. Noor Alam Khan, Incubation Manager of ISF-CIED, along with dignitaries from t-Hub and other participants, during the Incubator Outreach Training Program at t-Hub.



Dr. Nida Fatima and Dr. Noor Alam Khan presenting an Integral University memento to Mr. Sujit Jagirdar, CEO of t-Hub, as a token of gratitude.

## List of The Programs/initiatives by ISF-CIED

To strengthen the ecosystem of Innovation and Entrepreneurship in the university, ISF-CIED has successfully conducted programs like:

- ISF-CIED participated in the CM Yuva Conclave & Expo 2025 and signed an MoU with the CM Yuva Mission under the Department of MSME & Export Promotion, Government of Uttar Pradesh. Adding to the achievement, Ms. Tuba Siddiqui, Co-founder of Soil Concept, an incubated startup at ISF-CIED, was recognized among the top five startups in Uttar Pradesh and had the honour of sharing her entrepreneurial journey before the Hon'ble Chief Minister on July 31, 2025.
- ISF-CIED showcased its promising incubated startups, Nutty Village, Dark Elafi Industries Pvt. Ltd. (perfumes) and Affiliatekaro at Startup Mahakumbh 2025, held from April 3 to 5 at Bharat Mandapam, New Delhi.
- Integral Startups Foundation, Centre for Incubation & Entrepreneurship Development (ISF-CIED), Integral University, organized the International Women's Day 2025 celebration on March 8, 2025, in collaboration with the Ministry of Education's Institution Innovation Council (GoI), StartInUP (GoUP), GDG Lucknow, Integral Business School, Integral Hospital, and TensorFlow.
- ISF-CIED, in collaboration with Department of Bioengineering, Integral University and key partners including the Department of Biotechnology, Ministry of Science and Technology, NSERB, GoI, Institution's Innovation Council, GoI and StartInUP, GoUP & AFSTI Lucknow chapter, organized the International Conference on "Trends and Innovations in Science and Engineering" (TISE CON 2025), from February 20-22, 2025 at Integral University, Lucknow.
- ISF-CIED, Integral University, participated in the India-UK-Ireland Higher Education Summit, organized by the Association of Indian Universities in collaboration with NISAU, UK, held in London from 11th to 15th February 2025.
- Integral Startups Foundation, Centre for Incubation & Entrepreneurship Development (ISF-CIED), Integral University actively participated in the Incubator Outreach Training Program on Entrepreneurship, Innovation, and Startup Incubation at t-Hub, Hyderabad (9th-11th January 2025)
- Integral Startups Foundation, Centre for Incubation & Entrepreneurship Development, Integral University successfully hosted the prestigious Grand Finale of Smart India Hackathon- Software Edition, under the Ministry of Education's Innovation Cell (MIC), Government of India, AICTE, Government of India, SBI Foundation and i4C at Integral University, Lucknow, from December 11-12, 2024.
- Integral Startups Foundation, Centre for Incubation & Entrepreneurship Development, Integral University successfully hosted the prestigious Innovation Design and Entrepreneurship Bootcamp for PM SHRI School Teachers, under the Ministry of Education's Innovation Cell (MIC), Government of India at Integral University, Lucknow, from December 06-07, 2024.
- Integral Startups Foundation, Centre for Incubation & Entrepreneurship Development, Integral University, organized the Intellectual Property Rights & Tech Transfer Workshop in association with Ministry of Education's Innovation Cell (MIC), Government of India, Institution's Innovation Council and StartInUP, on December 06, 2024, at Integral University, Lucknow.
- Integral Startups Foundation, Centre for Incubation & Entrepreneurship Development, Integral University, participated in UP International Trade Show 2024, held between September 25-29, 2024, at the India Expo Mart, Greater Noida's Knowledge Park, Noida.
- Integral Startups Foundation and the Centre for Incubation & Entrepreneurship Development at Integral University successfully hosted the prestigious IDE Bootcamp, Edition 2-Phase 1, under the Ministry of Education's Innovation Cell (MIC), Government of India at Integral University, Lucknow, from September 23 to 27, 2024.

- Integral Startups Foundation, Centre for Incubation & Entrepreneurship Development, Integral University, co-organized Google I/O Extended in association with Google Developer Groups, TensorFlow & StartInUP, held on August 29, 2024.
- Integral Startups Foundation, Centre for Incubation & Entrepreneurship Development, Integral University, co-organized 'Warriorz At Home' on August 29, 2024.
- Integral Startups Foundation, Centre for Incubation & Entrepreneurship Development, Integral University, co-organized Global Bio-India 2024 Roadshow in association with TDIC, BioNest, CSIR-IITR, Lucknow, on August 23, 2024 at CSIR, Lucknow.
- Integral Startups Foundation, Centre for Incubation & Entrepreneurship Development, Integral University, in association with Human Resource Development Center, Integral University, organized an enlightening session on "Start-up to Start: Entrepreneurship" by Dr. Shalini Khandelwal, Certified Happiness Coach, ICFAl Business School, Gurgaon, on August 13, 2024 at Integral University, Lucknow.
- Integral Startups Foundation, Centre for Incubation & Entrepreneurship Development, Integral University, in association with Human Resource Development Center, Integral University, organised an enlightening session on "Elevator Pitch Deck" by Ms. Shilpa Gaurav Gupta, FICCI FLO, on August 13, 2024 at Integral University, Lucknow.
- Integral Startups Foundation, Centre for Incubation & Entrepreneurship Development, Integral University, partnered with TiE Lucknow for TiE Women Global Pitch Competition - 2024, held on August 11, 2024 at JBR Grand, Lucknow.

# HUMAN RESOURCE DEVELOPMENT CENTER (HRDC)

Dr. (Er.) Syed Aqeel Ahmad : Director



Candidates along with resource persons of the Short Term Course on " Mastering Cloud Computing Essentials with AWS"

To implement the National Education Policy (NEP) – 2020, Human Resource Development Center strives toward enriching human resource of the Integral University in particular and serving the academic fraternity as a whole.

HRDC was established in Integral University on 26th June 2013, then ASC for implementing NEP-1986. The purpose was to achieve continuous knowledge up-gradation, capacity building and motivation of teachers for accepting modern day challenges, with following objectives:

- a. To improve the art of teaching.
- b. To upgrade the skill of teaching faculty.
- c. To achieve goals of higher education.
- d. To carry out the programmes of the Personality Development and Creativity in students.
- e. To promote Computer Literacy as well as use of ICT in teaching and learning process etc.

HRDC works continuously to achieve predefined goals as stated above. HRDC organises many expert lectures, faculty development programmes, skill enhancement workshops, seminars, short-term courses etc. in association with several departments of Integral University in pursuit of the established targets. HRDC integral university also playing a pivotal role in the implementation of National Education Policy 2020 (NEP-2020) by organising various programme to develop understanding among the academic fraternity. Four Guest Lecture/Expert Talk, Three Refresher Course, Three Faculty Development Program, One Induction Program, Six Short Term Course (STC), Three Workshop/Seminar Program were organised/coordinated by HRDC, Integral University, Lucknow in the year 2024-25.

**A glimpse of HRDC activities in the year 2024-25 are presented below:**

## **Expert Lectures and Guest Talks**

Expert lectures and guest talks form a vital pillar of faculty development across the globe. Leading institutions consistently organize such sessions to keep their faculty updated with the latest academic advancements and industry practices. These engagements often explore interdisciplinary themes, encouraging a broader and more holistic perspective on contemporary issues. In line with this vision, HRDC organized a Guest Lecture/Expert Talk featuring a distinguished speaker who shared valuable insights into cutting-edge developments in their field. The session was designed to inspire faculty members by familiarizing them with global trends and emerging areas of research. Following are the list of Guest Lecture/Expert Talk conducted by HRDC in 2024-25:

S. No.	Title	Sponsor/Collaborator	Date
<b>Session 2023-24 (01<sup>st</sup> July 2024 to 30<sup>th</sup> June 2025)</b>			
1	Expert Talk on Unlock the Entrepreneurial Mindset - Start Your Own Startup	HRDC, Integral University, in collaboration with ISF-CIED, Integral University	24 <sup>th</sup> February 2025
2	Interaction Program Regarding Preparation of Research Proposal for Indian Council of Social Science Research	HRDC, Integral University	1 <sup>st</sup> March, 2025
3	Interaction Program Regarding Preparation of Research Proposal for Indian Council of Social Science Research	HRDC, Integral University	12 <sup>th</sup> April 2025
4	Expert Lecture on "Transforming Research Idea into Proposals Planning, Development and Execution - An Exclusive ICSSR Initiative	HRDC, Integral University	22 <sup>nd</sup> April 2025

### Faculty Development Programs

Faculty Development Programs (FDPs) play a crucial role in strengthening the teaching and research competencies of university faculty. By addressing both foundational knowledge and the latest advancements, these programs help maintain academic excellence while promoting innovative teaching practices. In this spirit, HRDC introduced several key initiatives in this domain:

#### i. Subject-Specific Refresher Courses:

Following are the list of Subject-Specific Refresher Courses conducted by HRDC in 2024-25:

S. No.	Department	Sponsor/Collaborator	No. of Refresher Courses Conducted
<b>Session 2024-25 (01<sup>st</sup> July 2024 to 30<sup>th</sup> June 2025)</b>			
1	Refresher Course in Agriculture	HRDC, Integral University	1
2	Refresher Course in Education	HRDC, Integral University	1
3	Refresher Course in Environmental Science	HRDC, Integral University	1

#### ii. Faculty Development Program:

Following are the list of Faculty Development Program conducted by HRDC in 2024-25:

S. No.	Title	Sponsor/Collaborator	Date
<b>Session 2024-25 (01<sup>st</sup> July 2024 to 30<sup>th</sup> June 2025)</b>			
1	Faculty Development Program (FDP) on "Sustainable Blueprint for Environmental Education and Research Opportunities"	HRDC, Integral University, in collaboration with Department of Environmental Science	5 <sup>th</sup> August to 10 <sup>th</sup> August, 2024
2	Faculty Development Programme on "Integration of Intellectual Property Rights (IPR) Principles into Teaching, Research and Professional Activities" from	HRDC, Integral University, in collaboration with Faculty of Law	2 <sup>nd</sup> September to 30 <sup>th</sup> September 2024
3	Faculty Development Program Statistical Analysis for Research: Techniques and Software	HRDC, Integral University, in collaboration with Centre for Academic and Administrative Development Centre (AADC)	21 <sup>st</sup> November to 26 <sup>th</sup> November 2024



Prof. Javed Musarrat, Hon'ble Vice Chancellor, Integral University attending International Faculty Development Program inaugural session on 2nd September 2024



Prof. Syed Aqeel Ahmad, Director HRDC and Mr. Zishan Raza Khan Dy, Director HRDC with lecture attendees

iii. **Induction Program:** A comprehensive induction program was conducted for newly inducted academic and administrative staff to facilitate a seamless transition into the university environment. The program encompassed institutional policies, teaching methodologies, and administrative procedures, enabling participants to adapt quickly and perform effectively. Across the globe, leading institutions organize extensive induction programs to acquaint new staff with the university's culture, expectations, and resources. Such initiatives are vital for integrating faculty and staff into the academic community and ensuring their long-term professional growth. Following are the key aspects covered in the Induction Program wherein 165 newly inducted academic and administrative staff benefitted:

S. No.	Title	Sponsor/Collaborator	Date
<b>Session 2024-25 (01<sup>st</sup> July 2024 to 30<sup>th</sup> June 2025)</b>			
1	Two Day Induction Programme for Faculty Member & Teaching Supporting Staff	HRDC, Integral University	7 <sup>th</sup> - 8 <sup>th</sup> February 2025



Prof. Syed Aqeel Ahmad, Director HRDC, Integral University presenting memento to Prof. Javed Musarrat Hon'ble Vice



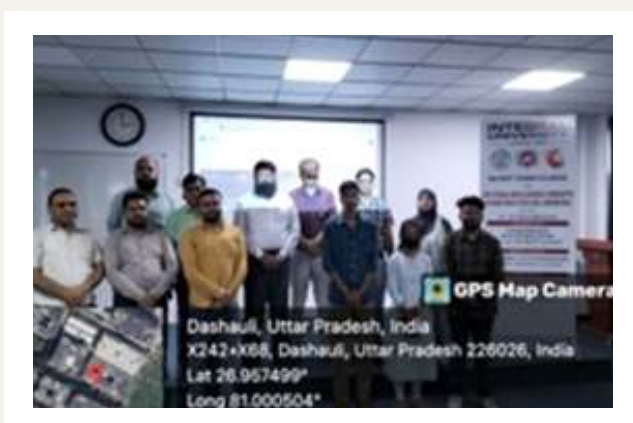
Induction program-2025 was opened with the Prof. Syed Aqeel Ahmad, Director, HRDC, Integral University

## Short Term Courses, Workshops, Seminars and Conference

Workshops and seminars are integral to continuous professional development, providing participants with hands-on experience and opportunities for collaborative learning. To support this objective, a series of Short-Term Courses, Workshops, and Seminars were organized in specialized areas, enabling faculty and staff to deepen their expertise and strengthen their professional competencies:

- i. **Short-Term Courses (STC):** HRDC organized six short-term courses aimed at strengthening specific skill sets and knowledge areas. Designed to provide in-depth training on specialized topics, these courses addressed current trends while also preparing participants for emerging future needs.

S. No.	Title	Sponsor/Collaborator	Date
<b>Session 202 4-25 (01<sup>st</sup> July 202 4 to 30<sup>th</sup> June 202 5)</b>			
1	145-IIRS ISRO Outreach Programme on "LIDAR data processing and applications"	HRDC, Integral University, in collaboration with IIRC, ISRO, Govt. of India	5 <sup>th</sup> to 16 <sup>th</sup> August 2024
2	Short-Term Course on "Artificial Intelligence for Civil Engineers Concepts and Practices for Civil Engineers"	HRDC, Integral University, in collaboration with NITTTR Chandigarh	16 <sup>th</sup> to 20 <sup>th</sup> September 2024
3	149- Course on "Overview of Global Navigation Satellite System"	HRDC, Integral University, in collaboration with IIRC, ISRO, Govt. of India	23 <sup>rd</sup> September to 4 <sup>th</sup> October 2024
4	150- IIRS ISRO Outreach Programme on "Overview of Geographical Information System"	HRDC, Integral University, in collaboration with IIRC, ISRO, Govt. of India	14 <sup>th</sup> October to 01 <sup>st</sup> November 2024
5	155-IIRS-ISRO Outreach Program on "Overview of Space Science and Technology" from	HRDC, Integral University, in collaboration with IIRC, ISRO, Govt. of India	9 <sup>th</sup> January to 29 <sup>th</sup> January, 2025
6	One-week STC "Mastering Cloud Computing Essentials with AWS" from	HRDC, Integral University, in collaboration with NITTTR Chandigarh	3 <sup>rd</sup> March to 7 <sup>th</sup> March 2025



Candidates along with resource persons of the Short Term Course (STC)



Candidates along with resource persons of the Short Term Course (STC)

- ii. **Workshops/Training/Seminar/Conference Programs** : Three workshops and seminar programs were conducted, covering a broad spectrum of academic and administrative themes. These sessions fostered interactive learning and facilitated meaningful knowledge sharing among participants.

S. No.	Title	Sponsor/Collaborator	Date
<b>Session 202 4-25 (01<sup>st</sup> July 202 4 to 30<sup>th</sup> June 202 5)</b>			
1	Effective Communication: The Key to the Success of Organization Leadership, Strategies, and Projects	HRDC, Integral University	26 <sup>th</sup> July 2024
2	Training on "Interactive Smart Board to Enhance ICT -Based Teaching and Learning on	HRDC, Integral University, in collaboration with Department of Agriculture	30 <sup>th</sup> August 2024
3	Employability Enhancement Programme as a part of Skill Up - Empowering the Next Generation Initiative from	HRDC, Integral University, in collaboration with Department of Chemistry	15 <sup>th</sup> January to 31 <sup>st</sup> January, 2025

During the 2024-25 session, HRDC at Integral University successfully implemented a comprehensive range of programs focused on the well-being, safety, and professional growth of faculty and staff. These initiatives were tailored to meet the specific needs of individual departments, ensuring that faculty members are equipped with the latest knowledge, skills, and teaching strategies in their respective disciplines.

## OFFICE OF THE DEAN STUDENTS' WELFARE

Prof. (Dr.) Monowar Alam Khalid : Dean



The University regularly organizes a number of activities for its students to encourage them for participation in sports, cultural, literary and technical events through its Office of the Dean, Students' Welfare. The students get enormous opportunities for personality development and enhancing their leadership skills through these events organized round the year, which help develop and promote students' skills and prepare them to face the realities of the world. Various events & activities organized during the year 2024-25 were:

### **Deeksharambh 2024 (Students Induction Programme)**

Successfully organized its Deeksharambh (Students' Induction) program for the freshly admitted students from 1<sup>st</sup> - 3<sup>rd</sup> August, 2024. The purpose of Deeksharambh is to help new students adjust and feel comfortable in the new environment, inculcate in them the ethos and culture of the institution, help them build bonds with other students and faculty members, and expose them to a sense of larger purpose and self-exploration. Deeksharambh was conducted at centralized and departmental levels, with active participation of all the departments of Integral university.



### Sewing Machine Distribution (Integral University Social Service)

Organized a Sewing Machine Distribution Program on August 7, 2024, at its Central Auditorium. The initiative aimed to empower 17 underprivileged women by providing them with sewing machines to help them achieve financial independence. Mr. Ashish Tiwari from Raymond Institute provided hands-on training and pledged his ongoing support.



### E-Pledge Campaign under Nasha Mukta Bharat Abhiyan 2024

Organized an E-Pledge Campaign on 12th August 2024. Conducted under the directives of the Higher Education Department, Uttar Pradesh, the campaign aimed to raise awareness about drug abuse and promote a drug-free lifestyle. Over 100 students, along with faculty and staff members, actively participated. Prof. Monowar Alam Khalid, Dean, Students' Welfare, delivered a motivational address emphasizing the growing threat of drug addiction and the role of youth in combating it. Participants took an online pledge to abstain from drugs and spread awareness. The campaign featured impactful slogans like "Say No to Drugs - Yes to Life," reinforcing the university's commitment to social responsibility and holistic student development.

### Anti-Ragging Day 2024

In alignment with UGC guidelines, observed "Anti-Ragging Day" on August 12, 2024, followed by "Anti-Ragging Week" from August 12-18, 2024. The event began with a welcome address by Prof. Monowar Alam Khalid, Dean, Students' Welfare, who emphasized the University's Zero Tolerance policy towards ragging and briefed the audience on the UGC's 2009 Anti-Ragging Regulations and enforcement mechanisms. Prof. (Dr.) S. M. K. Rizvi, Dean Students' Welfare and Chief Proctor, BBD University, was the guest speaker. He spoke about the psychological and legal impacts of ragging and the importance of cultivating empathy and inclusivity among students.

### National Space Day Celebration 2024

Celebrated National Space Day on 23rd August 2024, commemorating India's historic achievement of becoming the first nation to reach the moon's south pole through the Chandrayaan-III mission. The event featured distinguished guests Er. Asif Siddiqui and Mr. S.K. Pandey, Senior Scientists at ISTRAC-ISRO, Lucknow. Prof. Monowar Alam Khalid, highlighted the significance of the occasion. Er. Asif Siddiqui delivered an insightful talk on ISRO's missions, ISTRAC's operations, and career opportunities in space science. He discussed ISRO's key projects including NavIC, TTC operations, and interplanetary missions, inspiring students with practical guidance and exposure to the field. The Chandrayaan-III landing was also live-streamed at the university auditorium, allowing students and faculty to witness the milestone together.



### Musical Concert by High Note Music Society

The High Note Music Society of Integral University organized a vibrant musical concert on 27th August 2024 to showcase students' talent and promote artistic expression. The event featured an engaging lineup of solo and group performances across classical, contemporary, and fusion genres. The event witnessed enthusiastic participation from students with the audience responding warmly to each performance. The concert successfully celebrated the creative spirit of the university, offering students a platform to shine and strengthening the cultural fabric of campus life.

### Online Lecture organized by Gender Champion Club

The Gender Champion Club, organized an online lecture on "Celebrating Womanhood: Achievements and Dilemmas" on 9th September 2024. The keynote speaker, Mrs. Sana Zabeen, Lead PR at TV9 Network, Mumbai, delivered an inspiring talk on women's roles, challenges, and achievements. She proposed redefining DDR as "Discipline, Demobilize and Re-educate" to address patriarchal mindsets. Participants asked many questions during the lively and engaging discussion, and the speaker compassionately responded.

### Road Safety Awareness cum Training Program 2024

As per the directive of Uttar Pradesh State Higher Education Department, Government of Uttar Pradesh, Office of Dean, Students' Welfare organized a Road Safety Awareness & Training Program under Sadak Suraksha Pakhwada in Collaboration with Road Safety Club, Integral University for the students and faculty/staff members on 22nd October 2024 at the University campus. The statistics are sobering as thousands of lives are lost each year due to road accidents, many of which are preventable through education, awareness, and responsible driving. The training was conducted by experienced and distinguished guests Shri Pankaj Sharma, Road Safety Manager, Traffic Training Park, MotoCorp. Ltd., Lucknow, and Shri Syed Ehtesham from Maruti Suzuki, India Limited. Shri Pankaj Sharma spoke about the traffic norms and regulations. He emphasized current challenges, the causes of frequent road accidents, and the importance of traffic lights, as every second counts at a stop sign. Furthermore, Mr. Syed Ehtisham, also known as the Helmet Man of Lucknow from Maruti Suzuki, joined the event and spoke to the audience about the necessity of wearing a helmet

### Birth Centenary of Late Kamla Bahuguna ji organized at Integral University

Integral University conducted a Grand Finale of Uttar Pradesh and Uttarakhand "Debate Competition" (Hindi/English) commemorating the Birth Centenary of Late Kamla Bahuguna ji, a renowned women politician and social worker of Uttar Pradesh at Central Auditorium, from 2:00 PM onwards on 23rd October, 2024. This program was graced by Mrs. Rita Bahuguna Joshi ji and our Hon'ble Madam Chancellor Mrs. Azra Waseem along with other dignitaries of the University.





### Chancellor's Trophy

The Grand Finale of The Chancellor's Trophy, an esteemed Inter-University state-level Declamation Competition, was organized on 30th April 2024 by the Literary Committee under the Aegis of Office of Dean, Students' Welfare and Department of Languages at Integral University, marking a significant milestone in promoting academic excellence, collaboration, and intellectual inquiry. Spearheaded by the visionary Hon'ble Vice Chancellor, Prof. Javed Musarrat, this flagship event embodied the spirit of talent, creativity, and passion among the next generation of leaders and thinkers. The competition witnessed spirited participation from students representing 20 universities across Uttar Pradesh. This included prestigious institutions such as Banaras Hindu University, Aligarh Muslim University, and Lucknow University. The event aimed to foster friendship, intelligence, and public speaking skills among participants, who were carefully selected through a rigorous nomination and qualification process. The incredible participation was efficiently judged by an eminent jury comprising academics, professionals, and public figures and distinguished personalities like Mr. BD Naqvi and Mr. Atul Chandra, who lent their expertise to the judging panel. Ms. Guncha Khan from the Department of Education, Integral University, clinched the First Prize and The Chancellor's Trophy. Palak Yadav from Kanpur University secured the First runner-up position, while Aryan Arora from King George Medical University claimed the second runner-up place. The event concluded on a positive note, with a skit performance by students of Integral University, echoing the spirit of creativity and camaraderie. The event was graced by the presence of Hon'ble Founder & Chancellor, Prof. Syed Waseem Akhtar, Madam Chancellor, Madam Azra Waseem, Hon'ble Pro Chancellor, Dr. Syed Nadeem Akhtar, Hon'ble Vice Chancellor, Prof. Javed Musarrat and other distinguished dignitaries of the university.

### Communal Harmony Week 2024

Observed "Communal Harmony Week" from 19th to 25th November 2024, as per the directive of the Ministry of Home Affairs, under the National Foundation for Communal Harmony (NFCH), New Delhi. The campaign aimed to promote peace, unity, and national integration among students and staff. The observance began with an oath-taking ceremony led by Prof. Monowar Alam Khalid, Dean, Students' Welfare. Also, various departments of the university conducted essay, painting, and debate competitions around the theme of communal harmony. A week-long donation drive was also held through the distribution of Flag Stickers, culminating in the "Flag Day" on 25th November.

### Bharatiya Bhasha Utsav 2024

As per the directive of University Grants Commission, Ministry of Education, Government of India, Integral University celebrated a number of events regarding "Bharatiya Bhasha Utsav" to commemorate the Birth anniversary of esteemed Tamil poet, writer, journalist and an eminent freedom fighter in Independence movement, Shri. Subramania Bharati, popularly known as "Mahakavi Bharathi". Various departments actively participated in the event, a few of them were: Faculty of Education proudly organized an Online Quiz on 11th December, 2024, to celebrate "Bharatiya Bhasha Utsav".

### Hornbill Week Awareness Signature Campaign 2024

As part of the nationwide celebrations of Hornbill Week 2024, a Signature Campaign was successfully organized on 12<sup>th</sup> December 2024 by the Department of Environmental Science,. The initiative aimed to spread awareness about the vital role hornbills play in maintaining forest ecosystems and to promote collective responsibility towards their conservation. The campaign was graciously supported by the Uttar Pradesh State Biodiversity Board and the Uttar Pradesh Forest Department, in close collaboration with Isabella Thoburn College and University of Lucknow.

### "Swachh Safai Karamchari Award" 2024

As part of Swachh Bharat Diwas celebrations on 24th December 2024, Integral University, under the aegis of the Dean Students' Welfare, honored its ground-level cleaning staff as Safai Mitras through the "Swachh Safai Karamchari Award". This initiative, aligned with the theme "Swabhav Swachhata - Sanskar Swachhata" and recognized as one of the University's Best Practices, to celebrate the vital role of sweepers, housekeepers, and campus litter collectors in maintaining campus cleanliness. Prof. Monowar Alam Khalid, Dean, Students' Welfare, welcomed esteemed guests including Prof. Aqil Ahmad, Prof. Abdul Rahman Khan, Prof. Syed Aqeel Ahmad, and Prof. T. Usmani. Felicitated staff received certificates and gifts in three categories: Swachh Safai Karamchari, Swachh Housekeeping Karamchari, and Campus Litter Collection Karamchari. Speakers lauded their dedication in creating a clean, healthy learning environment, reinforcing the core values of the Swachh Bharat Mission.

### Workshop on Artificial Intelligence/Machine Learning Coding

Conducted a 5-day Free Workshop on Artificial Intelligence and Machine Learning (AI/ML) Coding from 20th to 24th January 2025. The workshop, supported by Technology Innovation Hub, IIT Delhi under DST, Govt. of India, primarily targeted SC/ST students from B.Sc., B.Tech., BCA, and B. Pharm programs. The workshop included expert sessions by Mr. Atif Khan (Software Engineer, Microsoft; B.Tech., IIT Delhi) and Dr. Asif Khan (Assistant Professor, Integral University) along with assignments and quizzes. With over 250 registrations and 100+ active participants, the event offered foundational knowledge, hands-on experience, and assessment opportunities. The program was conducted under the guidance of Prof. Monowar Alam Khalid, Dean, Students' Welfare, and well-coordinated by Dr. Asif Khan and Dr. Syed Zulfi, along with significant contributions from student coordinators of the Department of Computer Applications. The workshop proved to be a meaningful step toward empowering students with AI/ML skills and highlighted the importance of such initiatives in building technological competency among youth.





### Campus Bird Count 2025

As part of Bird Count India's initiative to conduct Great Backyard Bird Count 2025 (GBBC) at Integral University, a program on campus bird count was conducted under the Aegis of Dean, Students' Welfare at its two campuses i.e. Main Campus (Phase-I) and at Phase-III Campus on 15th Feb 2025 in collaboration with an eminent NGO named Uttar Pradesh Voluntary Health Association (UPVHA). The goal of this yearly Campus Bird Count was to survey the bird life at university campuses around India, including those that serve as training and teaching facilities for Bird Count India. An exciting Bird Walk for Bird Species Counts was held at the University's Main Campus in the early hours under the guidance of Convener Prof. M. A. Khalid, Dean, Students' Welfare and coordinators Ms. Mohsina Khan (Department of Environmental Science), Mr. Anas Mirza Baig (University Polytechnic), and Mr. Abid Shakeel (University Polytechnic), in which more than 60 participants took part in the events, including students, faculty, members of UPVHA, and other nature lovers.

### Ambedkar Jayanti Rally 2025

Integral University, under the aegis of the Dean, Students' Welfare, organized an Ambedkar Jayanti rally on 25th April 2025 to mark the 135th birth anniversary of Dr. B.R. Ambedkar. Held under the theme "Hamara Samvidhan, Hamara Swabhimaan" (Our Constitution, Our Pride), the rally aimed to spread awareness about constitutional values and Dr. Ambedkar's contributions to social justice and nation-building. Over 60 students from various departments, including Environmental Science, participated with placards promoting justice, equality, and unity, marching from Main Gate No. 1 to Gate No. 3. Prof. Monowar Alam Khalid, Dean, Students' Welfare, delivered an inspiring address on the legacy of Dr. Ambedkar and the enduring relevance of the Constitution.

### Nasha Mukta Bharat Abhiyan (NCORD 2025) Organized by Integral University Lucknow

As per the instructions from the Zonal Director, Narcotics Control Bureau, Lucknow, the Higher Education Department, Government of Uttar Pradesh, and the Ministry of Social Justice & Empowerment, Government of India, Integral University under the aegis of Dean, Students' Welfare organized a number of Awareness programs/pledges (Offline/Online) as part of Nasha Mukta Bharat Abhiyaan during 10th March to 20th April, 2025, in which Parents of the students were also encouraged to attend through Video Conferencing etc. Various departments actively participated in this campaign, a few among them are: Department of Environmental Science organized an online awareness program for students and their parents on April 19, 2025. This session was conducted to align with the guidelines of NCORD (National Narcotics Coordination Portal) and focused on building awareness, education, and preventive strategies concerning drug abuse, particularly among youth. The keynote address was delivered by Mr. Chandra Shekhar Kumar Singh, Superintendent, Narcotics Control Bureau, Lucknow, who shared real-life case studies from the region, demonstrating how awareness and timely action can save lives. University Polytechnic, Phase-3 on 11th March 2025 organized a Pledge taking program for its faculty members and students under the "Nasha Mukta Bharat Abhiyaan" to raise awareness about the harmful effects of substance abuse and encouraged participants to contribute toward a drug-free society. The Department of Electronics & Communication Engineering at Integral University organized a debate competition under "Nasha Mukta Bharat" on 12th March 2025 to spread the message of ill effects of drugs among the students and youths.



### Guest Lecture by Prof. (Dr.) Hamida Khanum, Bangladesh

The Office of the Dean, Students' Welfare, Integral University organized a guest lecture by Prof. (Dr.) Hamida Khanum from the University of Dhaka, Bangladesh on 25<sup>th</sup> April 2025 at Hall 1, Central Auditorium Block. The event aimed to promote international academic collaboration and knowledge exchange. Prof. Monowar Alam Khalid welcomed the distinguished guest and emphasized the importance of global academic engagement. Prof. Khanum, a renowned expert in parasitology and zoonotic diseases, shared insights from her decades-long research, focusing on disease transmission in urban environments and its link to public health. Her lecture captivated the audience and encouraged academic inquiry and discussion. The event saw enthusiastic participation from students, faculty, and researchers. An engaging Q&A session followed, highlighting the significance of international cooperation in tackling global health challenges. Prof. Khanum was felicitated for her contributions, and the program concluded with a vote of thanks by Dr. Azram Tahoor from Department of Environmental Science.

### World Bicycle Day 2025 Cycle Run

In compliance with the AIU directives and under the Fit India Mission, Integral University organized a "Cycle Run" on 1st June 2025, near the Sports Ground as part of the "Sundays on Cycle" initiative. The event, conducted under the aegis of the Dean, Students' Welfare in collaboration with the Integral University Sports Academy (IUSA) aimed to promote physical fitness, mental well-being, and environmental awareness. Prof. Monowar Alam Khalid, Dean, Students' Welfare, inaugurated the event with a fitness pledge and highlighted the importance of regular exercise. The Cycle Run was flagged off by Prof. Khalid and Dr. Mohd. Zafar, Director, IUSA. Participants were encouraged to use the Fit India App for regular fitness assessments and to utilize the university's gym facilities. Faculty, staff, and students from various departments, including Education, Languages, Pharmacy, and Environmental Science, actively participated, making the event a grand success.



## International Day of Yoga 2025

In line with the directives of Ministry of AYUSH, Integral University celebrated the 11th International Day of Yoga on 21st June 2025 with enthusiasm under the theme "Yoga for One Earth, One Health." Organized by the Integral University Sports Academy under the aegis of the Dean, Students' Welfare, the event saw active participation from over 100 faculty members, students, and staff. The program commenced at 6:00 AM with a welcome address by Prof. Monowar Alam Khalid, followed by a 30-minute yoga session led by Ms. Kamlesh Singh, featuring key asanas like Tadasana, Vrikshasana, and Padmasana. The session was coordinated by Dr. Mohd. Zafar, Ms. Sitara Sahani, and Dr. Divya Panjwani, with support from the Yoga Club. At 6:30 AM, attendees joined in Hall-4 to watch the live address by Hon'ble Prime Minister of India, streamed directly from Vishakhapatnam.



### Guest Lecture by Professor Frank Goetzke from the University of Louisville, USA

On 14<sup>th</sup> October 2024, the Office of the Dean, Students' Welfare, Integral University, organized an interactive awareness session on "Governance and Sustainability with a Focus on Corruption" by Professor Frank Goetzke from the University of Louisville, USA. Prof. Monowar Alam Khalid, Dean, Students' Welfare, gave the welcoming speech and introductory note to commence the program. Subsequently, Prof. Goetzke highlighted the critical role of sustainability governance and the damaging impact of corruption on environmental efforts, such as illegal logging and waste mismanagement. He emphasized community-based resource management, referencing Nobel Laureate Elinor Ostrom's research on commons. Key topics discussed included environmental degradation, economic inefficiency, social injustice, and ecological data security. The session encouraged students to think critically about ethical environmental practices and global sustainability challenges.

### Scholarship Arrangement Session 2024-2025

- Central Government's Merit Cum Means & Post Matric Scholarship for the year 2024-25 has not been opened by the Government (Session Zero).
- U.P. Government Scholarship and Fee Reimbursement awarded for students to the tune of Rs. 7,76,50,767.00 (Seven crore seventy-six lakhs fifty thousand seven hundred and sixty-seven rupees) to 2130 students.
- Net JRF UGC Fellowship awarded for the students to the tune of Rs. 15,28,100.00 (Fifteen lakh twenty-eight thousand one hundred rupees) to 05 students.

### Other than above, the following scholarships are also available at the University:

**Merit-Based Scholarship for Newly Admitted Students:** Based on marks obtained 25% to 100% waiver of tuition fee.

**Staff Scholarship:** Child/spouse of staff with 25% waiver in tuition fee.

**Sibling Scholarship:** 25% waiver in tuition fee.

**Alumni Scholarship:** A sibling of an alumnus gets a 25% waiver in tuition fees.

**Jammu & Kashmir Scholarship:** Resident students get a 25% waiver in tuition fees.

**North East Region Scholarship:** Resident student to get a 25% waiver in tuition fee.

**Progression Scholarship:** Students of Integral University taking admission to higher level programs of study get a 25% waiver in tuition fees.

**Nepal Region Scholarship:** Students of Nepal get scholarships on tuition fees in selected programs.

**Adopted Village Scholarship:** Applicants from villages adopted by Integral University (only for girls) get a 25% waiver in tuition fees.

**Sports Scholarship:** Applicant with the domicile of Uttar Pradesh along with recognition by the Ministry of Youth Affairs & Sports, Govt. of India gets a 25% waiver in tuition fee.

**Orphan Scholarship:** Applicants, whose parents are no more, will get a 25% waiver in tuition fee.

**Especially Abled Scholarship:** Applicants with not less than 40% disability & certified by competent medical authority get a 25% waiver in tuition fees.

**Regional Diversity Scholarship:** To promote participation of students from all Indian states and union territories. 100% tuition fee waiver for two students per eligible program from each qualifying state or union territory.

### International Scholarship Scheme 2024-25

A total of 41 International Students from various countries were awarded scholarships worth USD 34600 during the year 2024-25 with major beneficiaries from African Countries.

### Institutional Scholarships

A total amount of Rs. 4,75,64,500/- provided to 2565 eligible students under Integral University Institutional Scholarships during the session 2024-25.

## Alumni Welfare Association of Integral University (AWAIU)

The 2024-25 academic year has been a landmark period for AWAIU, demonstrating unprecedented growth in alumni engagement, global reach, and transformative impact on student lives. The initiatives have strengthened connections across continents while maintaining our commitment to excellence and innovation.

### Key Achievements:

1. **Mentorship and Career Advancement:** Conducted 52 Alumni Interaction Programs and facilitated career opportunities for approximately 350 students through our expanded alumni network.
2. **Global Network Expansion:** Successfully established operational chapters in Bangalore, Riyadh, and the UK, bringing our total to 8 active chapters across 5 countries.
3. **Digital Innovation:** AWAIU Digital Platform with 13,500+ registered users, featuring job opportunity and virtual mentorship capabilities.
4. **Environmental Leadership:** Expanded "Alum Greens" initiative, planting 5,00+ saplings achieving carbon footprint reduction.
5. **Alumni Engagement:** Welcomed 70 alumni visits and established Regional Alumni Ambassadors network with 550+ registered alumni representatives from Integral University.

↳ Industry Career opportunity through Alumni: 05 companies

↳ Internship Placement: 80 internships secured

↳ Career Counseling: 1,200+ students guided

↳ Alumni Hiring Network: Placements through alumni connections

### International Chapter Highlights:

#### Qatar Chapter:

↳ Organized Inter-university Cricket Championship and quarterly tech symposiums.

↳ Celebrated cultural festivals including Eid festivities and Qatar National Day.

↳ Expanded membership to 100+ with specialized sub-committees for sports, culture, and professional development.

#### Dubai Chapter:

↳ Established "Integral Entrepreneurs Circle" fostering business collaborations.

#### Riyadh Chapter:

↳ Launched healthcare initiatives including free health checkup camps for expatriate community.

↳ Facilitated 12 student internships in Saudi Arabia through industry connections.

#### Bangalore Chapter:

↳ 180+ registered members

↳ Monthly tech meetups and networking events

↳ Collaboration with local IT industry leaders

AWAIU's remarkable achievements in 2024-25 reflect our evolution from a regional network to a global community of excellence. Our focus on digital transformation, sustainable development, and innovative mentorship has positioned Integral University alumni as leaders in their respective fields. The successful expansion of our international presence, coupled with enhanced technology platforms and strengthened industry partnerships, demonstrates our commitment to creating lasting value for students and society. As we advance into 2025-26, our strategic priorities include establishing new chapters in Canada, Australia, and Germany and implementing AI-powered career guidance systems. Our unwavering dedication to excellence continues to drive meaningful impact, connecting generations of Integral University alumni in service to their alma mater and the broader community.

# PROCTORIAL BOARD

The Office of the Proctor always remained an active and vigilant part of Integral University. It's team has been committed to creating a safe, disciplined, and welcoming environment for all students. From resolving everyday issues to maintaining order during all the events of University the Proctorial Team ensured that every student feels supported, respected, and protected on campus.

## Key Activities This Year

### 1. Departmental Proctors Appointed

At the beginning of the session, departmental proctors were nominated across faculties. These faculty members were given clear responsibilities to monitor student activities and help in maintaining discipline at the departmental level. Their regular interaction with students played an important role in early intervention and prevention of issues.

### 2. Surprise Checks for Campus Safety

To keep the campus secure, especially during examinations, the team carried out surprise checks to ensure that only bonafide students were present. Identity cards and admit cards were strictly verified, and access to outsiders without valid reasons was effectively restricted.

### 3. Maintaining Discipline During Major Events

Major events like FEISTA 2024 and the VIth Annual Convocation saw thousands of students and guests gather on campus. Our proctorial teams ensured smooth conduct of these events with careful planning, presence across venues, and coordination with other departments.

### 4. Anti-Ragging Awareness Week

One of proudest contributions this year was active role in organizing Anti-Ragging Week (12-18 August 2024). In collaboration with various faculties, which facilitated a series of activities including:

- Slogan writing and poster competitions
- Awareness sessions for freshers on their rights and support systems
- Short plays and skits performed by students
- A campus-wide anti-ragging pledge ceremony

We're proud to share that not a single ragging complaint was reported this year a reflection of our preventive efforts and the responsible conduct of our students.



Winning Poster - Anti-Ragging Week Celebration 2024

## 5. A New Proctorial Team

With the retirement of Prof. T. Usmani, the Competent Authority reconstituted the Proctorial Board. The new team is as follows:-

Prof. (Dr.) Naseem Ahmed, Dean, Faculty of Law – Chief Proctor

Dr. Mohd Zafar, Director, Sports – Proctor, Phase I

Prof. A.K. Lodi, Dean, Faculty of Education – Proctor, Phase II

Dr. Intezar Mahdi, Principal, University Polytechnic – Proctor, Phase III

This new team brought experience, vision, and a student-centric approach to campus discipline.



Transition of Responsibility: Charge handed over by Prof. T. Usmani to the New Proctorial Team

## 6. Handling Student Complaints

Over the year, the office received around 20 student-related complaints. Most issues were minor and were resolved internally through counselling and dialogue. Only in rare cases external involvement was considered. Efforts were made to settle matters with fairness, empathy, and discretion.

## 7. Other Initiatives

Supported faculty-student discussion forums on ethics, conduct, and communication.

Awareness posters, digital messages, and student mentors helped in reinforcing positive campus behavior.

The year 2024-25 was a year of discipline, responsibility, and collaboration. The Board sincerely thanks the students, faculty members, and university administration for their continued cooperation and trust. The Board remain committed to ensuring that Integral University stays a space where learning thrives in a peaceful and respectful environment.

# SOFTWARE DEVELOPMENT CELL (SDC)

The Software Development Cell (SDC) continues to play a central role in driving the University's digital transformation journey. During the academic year 2024–25, our team worked with dedication to build new applications, enhance existing systems, and ensure uninterrupted digital services for students, faculty, and administrative departments.

Despite challenges such as limited resources and time-sensitive projects, the SDC successfully delivered impactful solutions that contributed to efficiency, transparency, and innovation across the University. A few notable contributions include automation of key student services, stronger cybersecurity measures, and direct support to allied regulatory processes.

Looking ahead, we envision expanding the scope of digital transformation by embracing artificial intelligence, mobile-first applications, and enhanced data security frameworks. Our future roadmap focuses on delivering smarter, faster, and more reliable services for all stakeholders.

## Scope

The activities of the SDC broadly fall under the following four categories:

1. **Software Development** - Designing and deploying new applications and portals tailored to the University's needs.
2. **Maintenance & Support** - Ensuring reliable, secure, and efficient operations of University applications and infrastructure.
3. **System Enhancements & Security** - Upgrading existing systems with new features, scalability improvements, and stronger protection measures.
4. **Innovation & Automation** - Introducing new technologies to reduce manual work, improve efficiency, and foster a culture of digital transformation.

## Highlights of 2024–25

### New Applications Developed/Implemented:

#### Integrated Hospital Management System (IHMS)

Development of different modules developed for IIMSR, find some module names as following.

- a. OPD Doctor Module.
- b. ABHA Integration - Create ABHA ID, Change Personal Information, download ABHA Card as per NMC Guidelines, scan and Share for Patient Appointment (Security Audit Pending).
- c. Nursing Module (Test Requisition, Ward Transfer, Provisional Discharge, Patient Discharge, Complete Sample Tracking, Initial Assessment, Lab Report).
- d. Radio Diagnosis Module (Patient Registration, Appointment Booking, Imaging Performed, Doctor Report).
- e. Authorized and Authentic Module (collection, technician, doctor)
- f. Patient Module (To View & Report by using QR Code on Bill).
- g. OT Module (PAC Requisition, Examination Entry, Finalize PAC, OT List Raising, Operation Record Entry, Post OP Orders, Post OP Care Unit).

### Payment Gateways

During 2024–25, the University successfully implemented one more payment gateway, i.e. Razor pay, to strengthen its online payment handling infrastructure. These gateways ensure secure, fast, and scalable financial transactions for services such as:

- Admission and examination fee collection

Hostel and transport fee payments

Other institutional charges

All three gateways, including Razorpay, are implemented and actively running for online payment handling.

With the growing volume of transactions, it has been identified that a dedicated resource is needed for:

Monitoring transactions in real time

Reconciliation of payments with university accounts

Ensuring compliance with audit and financial regulations

Addressing disputes or failures efficiently

This step will further enhance the financial transparency, reliability, and scalability of the university's digital payment systems.

### Websites for Conferences & Departments

During 2024-25, the SDC successfully designed and deployed multiple websites for University conferences and academic departments. These projects were executed using the latest web technologies to ensure performance, security, and digital visibility.

#### Key Features:

- **Modern Technology Stack:** Built with responsive design frameworks and optimized backend structures for scalability and reliability.
- **SEO Optimization:** Implemented structured metadata, keyword optimization, sitemaps, and fast-loading pages to enhance ranking on search engines.
- **User Experience:** Mobile-first designs with intuitive navigation to cater to a global audience.
- **Branding & Digital Reach:** Ensured the University's academic and research activities gain wider visibility through improved online presence.

#### Impact:

These websites have helped position Integral University competitively in the digital domain, ensuring that events and departmental initiatives receive broader reach and engagement.

#### Process for Rolling Advertisement for Teaching Profiles

The Software Development Cell developed and implemented a Rolling Advertisement Process to streamline faculty recruitment at Integral University.

**Centralized Application Portal:** Applicants can submit their teaching profiles through a unified online system.

**Department-Specific Categorization:** Applications are automatically tagged and categorized according to the respective academic departments.

**Applicant Interest Mapping:** Candidates can indicate their specific teaching/research interests, enabling precise matching with departmental requirements.

**Real-Time Access:** Department heads and HR authorities can access applicant profiles instantly for review and shortlisting.

**Transparency & Efficiency:** The process reduces manual workload, improves tracking, and ensures a fair, transparent, and timely recruitment workflow.

### Updates or enhancements:

In addition to new development initiatives, the Software Development Cell (SDC) continued to provide comprehensive support, enhancements and maintenance services to ensure uninterrupted functioning of critical applications.

- **Scope of Support:**

- Regular system maintenance and updates
- Troubleshooting of user-reported issues
- Feature enhancements to align with evolving academic policies and institutional requirements
- Real-time technical support for students, faculty, and staff
- Ensuring high system reliability and uptime

- **Key Applications Supported:**

- Employee Management System (EMS)
- USMS (Student Web Application)
- SMIS (for Integral University & Shahjahanpur Campus)
- Career Portals
- Alumni Tracking
- UJET Exams
- NAAC SSR Portal
- Ranking Software for Audit
- Different websites
- Payment Gateways
- Managing Servers & Securities
- Other in-use applications across department

### Server Infrastructure & Optimization

During the year, the Software Development Cell (SDC) carried out significant improvements in the server infrastructure to ensure high availability, performance, and security of all university applications.

#### Webserver Migration

- Migrated hosting infrastructure from Go4Hosting to Cloud Minister.
- Achieved 4x improvement in performance with optimized configurations.
- Reduced annual hosting expenses, contributing to cost optimization.
- Enhanced monitoring, disaster recovery, and uptime reliability.

#### In-Campus Server Management

Along with the primary webserver migration, the SDC continues to manage and optimize multiple in-campus servers that are critical for university operations. These include:

- 24/7 Server Monitoring: Real-time performance and health tracking to minimize downtime.
- Automated Backups: Daily and weekly backups with regular restore testing to guarantee data integrity.

- Uptime Assurance: Proactive maintenance and failover mechanisms to ensure maximum service availability.
- Security Enhancements: Regular patching, vulnerability checks, and firewall optimizations.
- Performance Optimization: Fine-tuning server resources for smooth execution of high-demand applications.
- Application Hosting & Maintenance: Running essential applications like EMS, SMIS, IUSMS, Career Portal, NAAC SSR, Ranking Software, and others.

### Impact Achieved

- Cost Reduction through optimized resource usage.
- Enhanced Security with SSL encryption and continuous monitoring.
- Improved Performance & Reliability across hosted applications.
- 24/7 Availability with uptime assurance and disaster recovery readiness.
- Future Scalability with infrastructure ready for upcoming requirements.

### Website Traffic Milestone

This year marks a significant digital achievement for the University's online presence, as the official website has crossed 500,000 sessions for the first time. The continuous rise in traffic reflects the effectiveness of our SEO strategies, content optimizations, and user-centric design improvements.

#### Session Growth Over the Past Three Years

- 2022: 72,122 sessions
- 2023: 141,359 sessions
- 2024: 580,000+ sessions
- 2025: 700,000+ sessions (projected)

This growth represents a 9x increase in just three years, positioning our digital platforms as a major touchpoint for students, faculty, alumni, and external stakeholders.

### Key Highlights of Growth

- Improved SEO reach with department-wise and conference websites.
- Implementation of latest technologies for faster page load and mobile responsiveness.
- Regular content updates aligned with academic and research activities.
- Enhanced user experience with streamlined navigation and interactive features.

### Future Outlook

With the current growth trajectory, we are confidently projecting to reach the 1 million sessions milestone in the coming year. This achievement not only reinforces our digital presence but also establishes a strong foundation for global visibility and outreach.

### Challenges and Overcoming Strategies

Throughout the academic year 2024-25, the Software Development Cell (SDC) encountered several challenges while delivering critical digital services and applications. Despite these hurdles, the team demonstrated resilience, adaptability, and innovative thinking to ensure smooth progress.

#### Resource Constraints

- **Challenge:** With a high volume of projects and a limited team size, managing workload and meeting deadlines became difficult.

- **Strategy:** Implemented efficient project management practices, prioritized tasks based on urgency and institutional impact, and optimized resource allocation to ensure timely delivery.

#### Technical Difficulties

- **Challenge:** Certain projects, such as integration of new technologies in the Payment Gateway and Automation Systems, faced unforeseen technical issues.
- **Strategy:** The team conducted in-depth research, adopted advanced debugging tools, and collaborated effectively to resolve these issues promptly, minimizing project delays.

#### Undefined Requirements

- **Challenge:** Several projects faced unclear or evolving requirements, leading to delays and revisions in development and deployment.

**Strategy :** The department adopted a more rigorous requirement-gathering process, involving stakeholders early in the planning stage to clarify objectives and expectations. Regular checkpoints and iterative feedback loops were introduced, ensuring alignment with stakeholder needs and reducing last-minute changes. Conclusion

The Software Development Cell (SDC) has consistently demonstrated its pivotal role in advancing the university's digital ecosystem through strategic development, robust support, and proactive maintenance of mission-critical applications and infrastructure. From implementing new portals and payment gateways to ensuring uninterrupted support for academic and administrative systems, SDC has worked diligently to enhance operational efficiency, student engagement, and institutional visibility.

#### Notable achievements this year include:

- Successful server migration resulting in a 4x performance boost and reduced costs.
- 24/7 monitoring and maintenance of servers ensuring high uptime and security.
- Implementation and management of three payment gateways, strengthening the university's financial transaction ecosystem.
- Massive growth in website traffic, surpassing 700,000 sessions in 2025, with projections of crossing 1 million sessions next year.
- Continuous support and enhancement of critical applications such as EMS, IUSMS, SMIS, NAAC SSR, Ranking Software, and numerous departmental applications.

These milestones have been achieved despite significant constraints in manpower and resources. The ever-expanding scope of responsibilities—ranging from application development, server management, payment reconciliations, and digital presence optimization—necessitates additional dedicated resources to sustain this growth and ensure scalability in the coming years.

The contributions of the SDC team deserve special appreciation, as their dedication, innovation, and round-the-clock support have been instrumental in keeping the university's digital infrastructure strong, reliable, and future-ready.

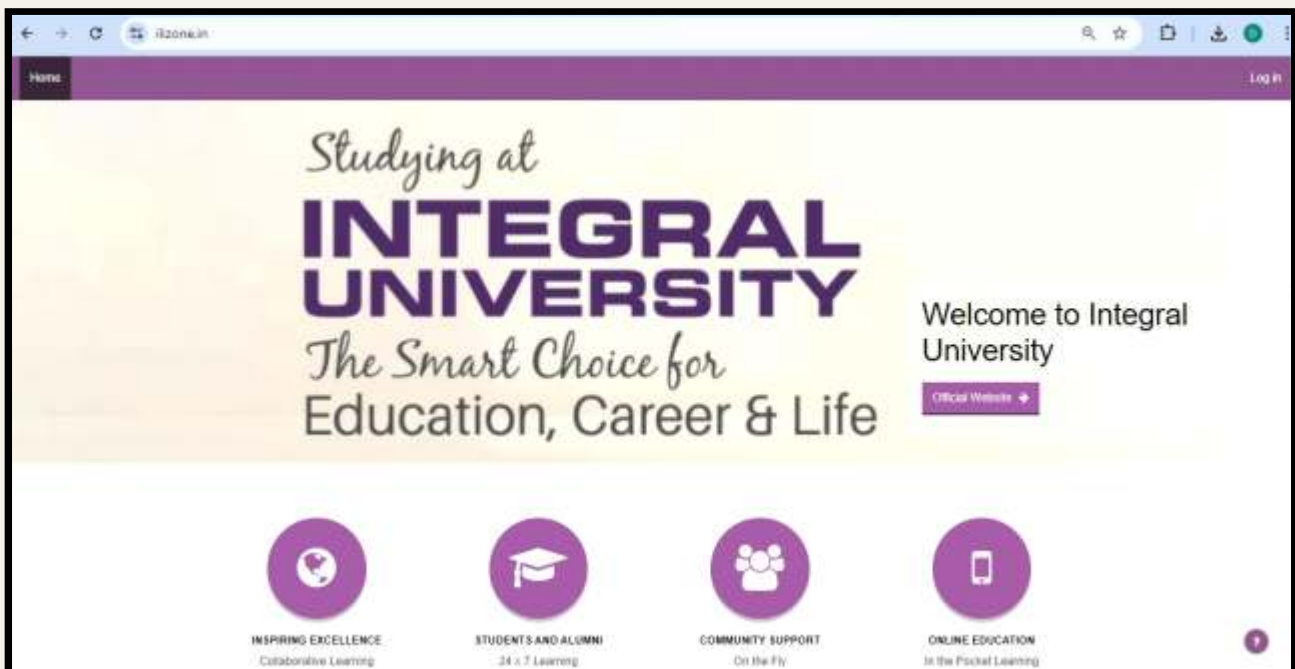
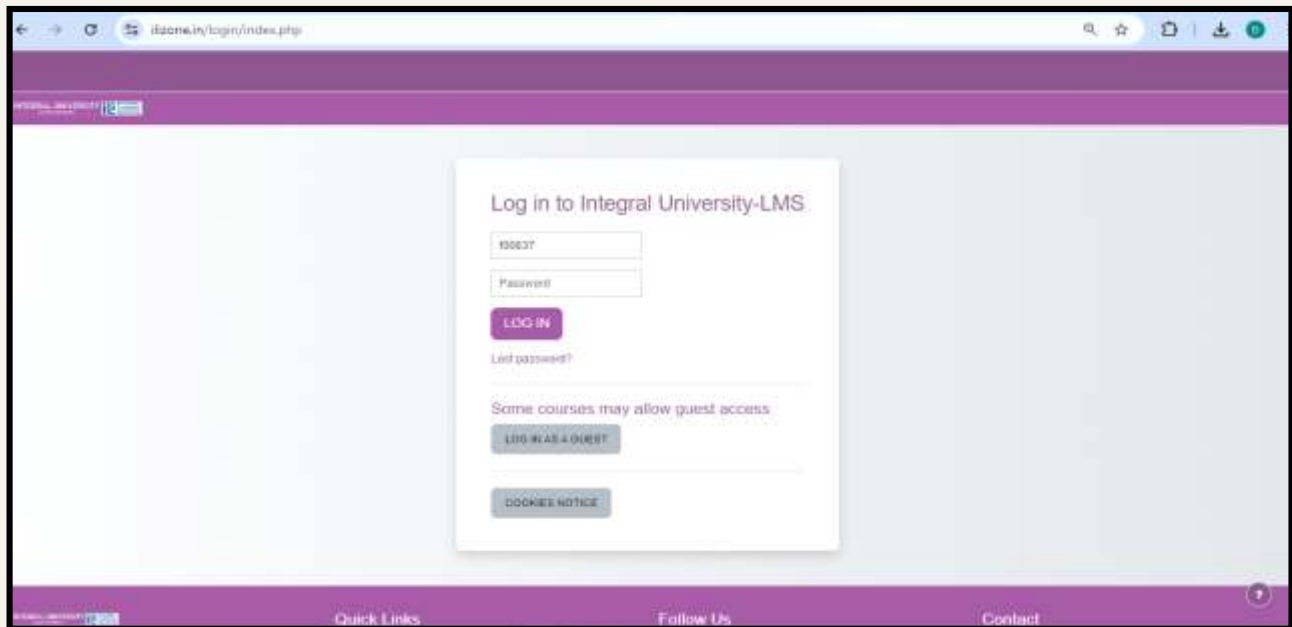
Looking ahead, the SDC reaffirms its commitment to supporting the university's mission by:

- Driving digital transformation initiatives.
- Strengthening security and compliance.
- Expanding student, faculty, and alumni engagement platforms.
- Continuously improving performance, scalability, and digital outreach.

In conclusion, the Software Development Cell stands as a cornerstone of Integral University's digital excellence, ensuring that the institution remains competitive, future-ready, and technologically advanced.

## INTEGRAL LEARNING INITIATIVE (ILI)- UNIVERSITY LMS

ILI is a digital learning environment that provides online learning resource and activities with information system capabilities as a compliment to face-to-face course offerings by the university. ILI facilitates for online/ blended mode of learning and course offering of university. ILI has necessary tools for content sharing, assessment, collaboration, direction & control, with various reports to facilitate adoption of flexible pedagogical design is needed. ILI facilitates courses in UGC 4-quadrant MOOC format. University wide adoption of ILI LMS begin from 2020-2021.



ILI is a LMS which fully supports blended and online learning named as Integral learning Initiative and is cloud based. The LMS features are

**User-Friendly Interface:** The ILI LMS boasts user-friendly interface, making it easy for students and faculty to navigate through the platform for a seamless educational experience.

**24x7 Anywhere any time Learning:** The ILI LMS is hosted on cloud and enables students to study on smart phone, tablet, laptop, PC. ILI facilitates anywhere any time learning, On the go learning and In-the-pocket learning

**Digital Resource Libraries:** The ILI LMS serves as a repository for learning resources, including course materials, lecture notes, e-books, video lectures, multimedia resources and supplementary reading materials. This enhances the learning experience by providing a wealth of knowledge at fingertips.

**Online Collaboration:** IU LMS promotes online collaboration through discussion forums, chat, and video conferencing.

**Synchronous and Asynchronous Learning:** Synchronous (video conferencing) and asynchronous learning through learning materials, PPT, pdf, video etc.

**Guided and Self pace Learning:** Guided and self-paced learning through 'Restrict Access" and activity completion conditions.

**Assessment and Grading Tools:** ILI includes tools for creating, administering, and grading assignments, quizzes, and exams. It automates the grading, and ensures fair & consistent assessment. Assessment tools have many behaviour options for learning enhancement through quiz and Gamification.

**Progress Tracking:** Students can monitor their academic progress through the LMS, with access to their grades, attendance records, and course schedules. This transparency allows for self-assessment and helps students stay on top of their academic pursuit.

**Feedback and Reports:** The ILI includes tools for feedback and various predefined reports for analysis and improvement of learning experience.

**Security and Privacy:** ILI places a strong emphasis on data security & privacy, ensuring that students' personal and academic information remains confidential and protected from unauthorized access.

**Technical Support Cell:** ILI provides extensive training and support for both faculty and students to maximize the benefits of the LMS.

**Observer role for academic administrators:** Academic administrators can monitor the progress as an observer in respective categories.

The ILI LMS represents a progressive leap into the digital age of education. By providing a robust, user-friendly platform that supports online learning, collaboration, and personalized education, the university is making education more accessible, efficient, and engaging for all stakeholders. The LMS underscores Integral University's commitment to staying at the forefront of technological advancements in education, ultimately benefiting students and enhancing the overall learning experience.

# INTEGRAL ROBOTICS LAB

## Dr. Mohammad Atif Siddiqui: HoD

The Integral Robotics Lab at Integral University, Lucknow, is a research-driven facility dedicated to the advancement of Robotics and Artificial Intelligence (AI), with a strong focus on their industrial and social applications. The lab's mission is to provide students and researchers with a hands-on platform that blends theoretical learning with practical implementation. It fosters innovation by promoting both fundamental research aimed at pushing the boundaries of robotics and applied research focused on solving real-world problems, ensuring that technological advancements are both impactful and relevant.

Equipped with state-of-the-art technologies, the lab offers an environment conducive to cutting-edge experimentation and development. Key resources include a 6-degree-of-freedom UR5e robotic arm for precise manipulations, a 3D printer for rapid prototyping, a 4-axis CNC milling machine, and laser cutting and engraving equipment. Additionally, the lab features a differential drive robotics platform, a Pluto open-source drone for aerial research, a TurtleBot for autonomous navigation studies, and an OptiTrack motion capture system. These tools are readily accessible to students and faculty, enabling hands-on learning and in-depth research in both hardware and software aspects of robotics.

The lab is actively involved in several innovative projects that address current challenges through robotics and AI. These projects include the development of an AI-based smart bin for efficient waste management, a real-time face tracking system for enhanced human-robot interaction using the UR5e robotic arm, a hydroponic farming and plant disease detection system, an IoT-based centralized energy monitoring system, a phonics sound device to support learning, and a study on the evaluation of emotional intelligence for academic stress analysis. Each project reflects the lab's multidisciplinary approach and its commitment to contributing solutions with practical value.

In addition to research and development, the Integral Robotics Lab regularly organizes workshops, internships, and training sessions for students, researchers, and industry professionals. These programs are designed to build technical expertise, encourage collaboration, and promote the exchange of ideas. By combining a strong academic foundation with real-world applications, the lab plays a vital role in shaping skilled professionals and advancing the field of robotics and AI.

## Team Members:

1. Mr. Syed Adnan Akhtar (Founder- Integral Robotics Lab)
2. Dr. Mohammad Atif Siddiqui - Associate Professor Department of EE
3. Dr. Faiyaz Ahmad - Associate Professor Department of CSE
4. Dr. Asif Khan - Assistant Professor
5. Mr. Mohd Zaid - Robotics Engineer

## Major activities and achievements during the academic year 2024-25:

Students of the Integral Robotics Lab, Mohd Qambar Syed and Abdul Malik, secured the 1st and 2nd positions respectively at the prestigious Medical-Tech Hackathon 2025 hosted by Dr. Ram Manohar Lohia Institute of Medical Sciences, Lucknow, demonstrating the lab's strength in biomedical innovation and embedded systems.



Integral Robotics lab

The lab received a collaboration proposal from Vicharak Computers, recognizing its

Advancements in robotics and expressing interest in co-developing FPGA-based real-time

Robotic systems.

- Mr. Mohd Zaid, along with an interdisciplinary team, developed a novel biopsy needle design that minimizes the risk of damage to surrounding organs during medical procedures. This innovation was highlighted in the media for its clinical significance.
- Final-year students Altamash Kamal, Ahmad Abuzar, and Obaid Ali Khan received funding from the Uttar Pradesh Council of Science and Technology (UPCST) for their project titled "AI-Based Smart Bin for Efficient Waste Management" (Project ID: 1416), developed under the guidance of the Integral Robotics Lab.
- A 1-Degree of Freedom (DOF) Laboratory Helicopter was successfully designed and developed for control system experiments and academic applications.
- Mr. Mohd Zaid, along with Abdul Saboor, a 2nd-year Computer Science Engineering student, developed a Centralized IoT-Based Electrical Energy Monitoring System for Phase 3 of the Integral University campus, enabling real-time monitoring and optimization of energy usage.
  - Farhaan Haroon, a student associated with the lab, was selected as a Project Associate at IIT Kanpur.
- Dr. Asif Khan received the Best Innovation Award 2024 from Integral University in recognition of his outstanding contributions to research in robotics and smart systems.
- The Integral Robotics Lab, in collaboration with the Department of Computer Science, received seed funding for the development of a Hydroponic Farming & Plant Disease Detection System. Additionally, Dr. Asif Khan received seed funding for the project "Evaluation of Emotional Intelligence for Academic Stress Analysis."
- IRL student Apekshita Solomon, under the mentorship of Mr. Mohd Zaid, co-developed a Phonics Sound Device aimed at supporting foundational learning among early-stage learners.
- Research papers from the lab were published in IEEE-indexed conferences, including "Development and Implementation of an Arduino-Based Celestial Object Tracking System" (ICCCCM 2024), "Quadrotor Control: A Linear MPC Approach for Non-Linear Dynamics" (ICCCCM 2024), and "IoT-Based Truck Wheel Temperature Monitoring System" (ACOIT 2024).
- Dr. Asif Khan and Mr. Mohammad Atif Siddiqui presented their research titled "Evaluation of Emotional Intelligence for Academic Stress Analysis" at the I-SMAC 2024 conference, published in IEEE Xplore.
- Dr. Atif, Mr. and Mohd Zaid submitted a project proposal to UPCST for the "Design and Development of an IoT-Based Centralized Tubewell Monitoring System in Rural Areas for Smart Agriculture Infrastructure." Dr. Atif, Mr. Mohd Zaid and Dr. Asif submitted a proposal to ICMR for the "Development of an Advanced Healthcare Autonomous Ultrasound System."

### Research Projects

- AI-Based Smart Bin for Efficient Waste Management
- IoT-Based Centralized Tubewell Monitoring System
- Emotional Intelligence Evaluation for Academic Stress
- Advanced Healthcare Autonomous Ultrasound System
- Hydroponic Farming & Plant Disease Detection
- Centralized IoT-Based Electrical Energy Monitoring System

### Inter-Institutional Collaboration

- Proposal under review from Vicharak Computers for FPGA-based robotic systems.

### University-Industry Linkages

- Engagement initiated with Vicharak Computers (private industry).

### Specific Collaborative Arrangements

- Project-level collaborations with multiple university departments including EE and CSE.

### Community Welfare/Charitable Activities

- Phonics Sound Device developed to assist early learners, showcasing social commitment to education.

### Publications

#### • Conference Papers:

- H. Shakeel, F. Ahamad, M. Usman Khan, M. Zaid, I. Y. Ansari and F. Ahmad Raza, "Development and Implementation of an Arduino-Based Celestial Object Tracking System Utilizing Additively Manufactured Components," 2024 International Conference on Control, Computing, Communication and Materials (ICCCCM), Prayagraj, India, 2024, pp. 471-476, doi: 10.1109/ICCCCM61016.2024.11039953.
- M. F. Haroon, S. Adnan Akhtar, F. Ahamad and M. Zaid, "Quadrotor control: A Linear MPC approach for Non-Linear dynamics," 2024 International Conference on Control, Computing, Communication and Materials (ICCCCM), Prayagraj, India, 2024, pp. 477-482, doi: 10.1109/ICCCCM61016.2024.11039974.
- M. Zaid, N. Ahmad, M. Aljamal, S. Patel and A. Khan, "IoT based Truck Wheel Temperature Monitoring System," 2024 Asian Conference on Intelligent Technologies (ACOIT), KOLAR, India, 2024, pp. 1-6, doi: 10.1109/ACOIT62457.2024.10939186.

### ICT Enabled Tools

- OptiTrack Motion Capture
- IoT platforms, FPGA integration, Web-based dashboards
- Autonomous drone research using Pixhawk

### Seed Money to faculties

- Received for Hydroponics & Emotional Intelligence projects.

### Extramural Funding

- UPCST-funded student project (Smart Bin)

### Awards

- Best Innovation Award 2024 - Dr. Asif Khan
- Students awarded 1st and 2nd place at Medical-Tech Hackathon 2025

### Student Progression & Placement

- Student selected at IIT Kanpur as Project Associate
- Ongoing career grooming via research projects and funding initiatives.

### Two Best Practices

1. Hands-on R&D-based student mentoring (e.g., Smart Bin, Face Tracking).
2. Industry-linked innovation projects (e.g., FPGA system proposal).



Medical-Tech Hackathon 2025 Student Recognition



Medical-Tech Hackathon 2025 Student recognition



collaboration proposal from Vicharak Computers



Innovation highlighted in media



Innovation highlighted in media



Medical-Tech Hackathon 2025



Altamash Kamal, Ahmad Abuzar, and Obaid Ali Khan received funding from the Uttar Pradesh Council of Science and Technology



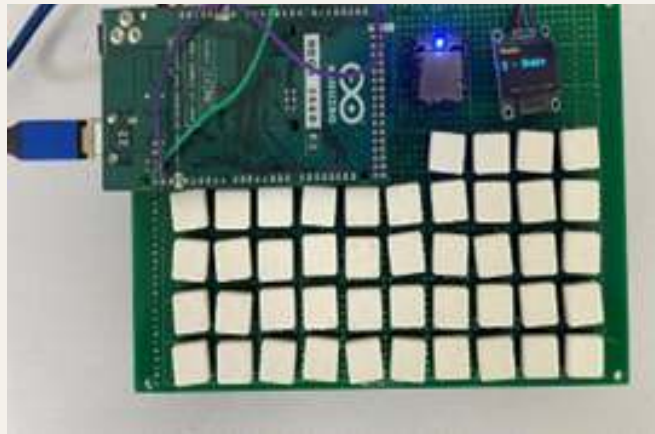
1. DOF lab helicopter



Farhaan Haroon, selected as a Project Associate at IIT Kanpur.



Hydroponic Farming & Plant Disease Detection System

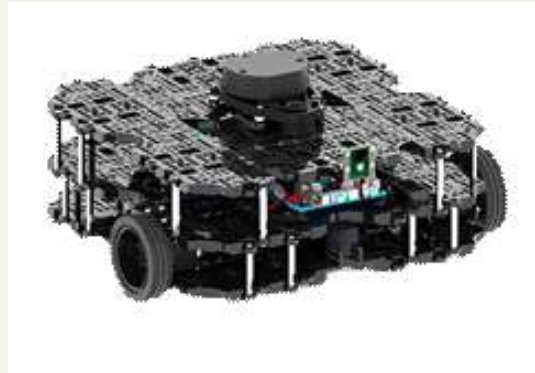


Phonics Sound Device

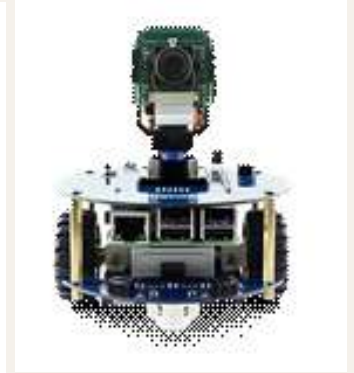
**Facilities :**



Open Source Drone Platform (Pluto)



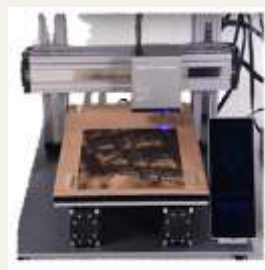
TurtleBot



Differential Drive Robotics Platform



Open Source Drone Platform (Pluto)



Laser Cuttin and Engraving



4-Axis CNC Milling



3D Printer



6-DOF Robotic Arm



OptiTrack Flex 13 Motion Capture



Work station

# INTEGRAL INSTITUTE OF AGRICULTURAL SCIENCE & TECHNOLOGY

Prof. (Dr.) Mohd. Haris Siddiqui : Dean  
Prof. Saba Siddiqui : HoD



“Sustainable Solutions For Plant Diversity Conservation: Bridging Policies And Innovations”  
Jointly Organized By Department Of Agriculture, IAST, Integral University, Lucknow & CSIR- National Botanical Research Institute, Lucknow Sponsored By Uttar Pradesh State Biodiversity Board, Lucknow on 22 March, 2025

The Integral Institute of Agricultural Science and Technology (IIAST), established in 2014, is dedicated to imparting scientific knowledge in crop production through participatory methods, aimed at fostering technology development and transfer. The Institute actively engages in teaching, research, and extension activities to ensure the holistic development of students and the farming community in and around the Lucknow region. Guided by skilled authorities, the diligent efforts of the teaching and non-teaching staff have significantly contributed to the Institute's elevation and upgradation. This has led to the commencement of various advanced programs, including M.Sc. (Ag) Agronomy, M.Sc. (Hort.) Vegetable Science, M.Sc. (Hort.) Fruit Science, M.Sc. (Ag) Genetics and Plant Breeding, M.Sc. (Ag) Soil Science, and MBA (Agribusiness Management) in the 2018-19 session. In line with contemporary trends in knowledge dissemination, IIAST employs both traditional classroom and innovative web-based methods to deliver and showcase the latest technologies, policies, and activities. This dual approach ensures the development of agricultural professionalism among students, equipping them with cutting-edge skills and knowledge. The Institute aims to establish a comprehensive model that elevates the current agricultural education system, aligning it with global standards. Through these efforts, IIAST aspires to not only enhance the educational experience but also to contribute to the advancement of agricultural practices and sustainability in the region.

## Highlights of the major activities, achievements & community services

S.No.	Name of the Event	Topic	Date
1.	Plantation Drive	"Honouring Mothers, Nurturing Nature: IIAST and Dean Students' Welfare Office of Integral University's Green Initiative" Inspired by Prime Minister Shri Narendra Modi's nationwide "Ek Ped Maa Ke Naam" campaign	20/07/2024
2.	Student READY	Student READY (Rural Entrepreneurship and Awareness Development Yojana)	29/07/2024- 08/08/2024
3.	Deeksharambh	DEEKSHARAMBH [Student Induction Programme]- 2024-25	01/08/2024- 03/08/2024

4.	Guest Lecture	"Agricultural education and its future prospects"	01/08/2024
5.	Journal Club 11	"Effect of Tillage Systems on the Yield and Quality of Winter Wheat Grain and Soil Properties"	10/08/2024
6.	Idea Hunt for Small Agri-preneurship	"Idea Hunt for Small Agri-preneurship"	13/08/2024
7.	Anti-Ragging Week Slogan Competition	Anti-Ragging Week Slogan Competition	14/8/2024
8.	VAC	"URBAN HORTICULTURE AND FORESTRY"	25/08/2024-08/09/2024
9.	Visit	Visit to Indian Institute of Toxicology Research	04/09/2024
10.	Animal Health Camp (Basaha)	Animal Health Camp (Basaha)	05/09/2024
11.	Parthenium Awareness Rally	Parthenium Awareness Rally	06/09/2024
12.	Guest Lecture	Animal Welfare and Future Perspectives	11/09/2024
13.	Journal Club 12	"Seed-Borne Fungi Associated with Diverse Rice Varieties Cultivated in the Western North Region of Ghana"	17/09/2024
14.	VAC	"Augmenting the Livestock & Poultry Performance through Nutritional Management"	26/09/2024-10/10/2024
15.	Guest Lecture	Water Management - Micro Irrigation Techniques for Higher WUE	10/10/2024
16.	Animal Health Camp (Rajauli)	Animal Health Camp (Rajauli)	10/10/2024
17.	Agri Crick	Agri-Crick Tournament, Department of Agriculture under the aegis of the Integral University Sports Academy	18/10/2024-19/10/2024
18.	Kisan Gosthi (Anwari)	"Enhancing Productivity and Sustainability in Rabi Crops through Natural Farming Practices"	19/10/2024
19.	Kisan Gosthi (Achramau)	Rabi Crop Development: Comprehensive Farm-to-Fork Solutions for Agricultural Growth and Innovation	19/10/2024
20.	Animal Health Club (Achramau)	Animal Health Club (Achramau)	24/10/2024
21.	One-Day Workshop	"Enhancing Teaching Skills through Smart Board Technology"	30/08/2024
22.	Agri-Information Club activity	"Information Dissemination Prototypes" titled "Agri-information forum: Spreading information through innovative ways"	26/10/2024
23.	Kisan Gosthi (Khweja ka Purwa)	"Role of Organic Farming in Quality Improvement and Seasonal Challenges"	26/10/2024
24.	Kisan Gosthi (Dasauli)	Role of Mechanization in Rural Employment and Quality Production of Potato	26/10/2024
25.	Kisan Gosthi (Basaha)	"Quality Improvement and Value Addition to Crops and Livestock to Enhance Farmers' Income"	26/10/2024
26.	Kisan Gosthi (Bhagatpurwa)	"Rabi Crop Cultivation and Marketing Strategies"	26/10/2024
27.	Kisan Mela	Kisan Mela and Exhibition, Unnao	04/11/2024
28.	Incubation Program	Incubation program for horticultural start-up "Udayanoday - 2"	09/11/2024
29.	Kisan Gosthi (Paikramau)	"Role of traditional knowledge and modern food science in the development of Processed Food"	09/11/2024
30.	Training Program under Krishi Mulya Vardhan Yojna	"Enhancing Soil Quality through Vermicomposting"	12/11/2024
31.	Photography Club Activity	Entomology Photography Contest	12/11/2024
32.	Kisan Gosthi (Bhakameu)	"Livestock and Dairy Production: An Opportunity for Self-Employment to Rural Women"	16/11/2024

33.	Quiz	Gender Equity Awareness	17/11/2024
34.	Kisan Gosthi (Palka)	"Modern Agricultural Techniques for Advancing Rural Development"	20/11/2024
35.	Educational Visit	Educational Visit of Students of B.Sc. (Hons) Agriculture 2nd Year to State Livestock Farm, Chak Ganjaria and Niblet Barabanki, U.P.	02/12/2024
36.	National Farmers Day	National Farmers' Day and Farmers' Felicitation Programme	24/12/2024
37.	Educational Tour	Educational Tour of Students of Integral Institute of Agricultural Science and Technology (IIAST), Integral University, Lucknow to Chandigarh, Kullu and Manali	02/01/2025-08/01/2025
38.	Mint Training	Mint Quality Improvement Training Program	23/01/2025
39.	Mint Training	Quality Improvement Program on Mint	25/01/2025
40.	guest Lecture by T.S. Rahi	Can we exploit Sodic soils as a Goldmine in India	04/02/2025
41.	Educational Visit to Kisan Mela at CSIR-CIMAP Lucknow	Educational Visit to Kisan Mela at CSIR-CIMAP Lucknow	31/01/2025
42.	Integrated Pest Management (IPM) Orientation and HRD Training Program	Integrated Pest Management (IPM) Orientation and HRD Training Program	05/02/2025
43.	Workshop	Sustainable Solutions For Plant Diversity Conservation: Bridging Policies And Innovations	22/03/2025
44.	A Brief Report on Value Added Course	"Commercial Agroforestry"	08/02/2026-22/02/2025
45.	Visit	Visit to CSIR- National Botanical Research Institute, Lucknow	28/02/2025
46.	International Women's Day Training Program	Value Addition and Processing of Tomato"	08/03/2025
47.	Guest Lecture	Health and Wealth from Horticultural Waste	08/03/2025
48.	Journal Club Presentation- 13	"Plant growth promoting Bacillus-based bio formulations improve wheat rhizosphere biological activity, nutrient uptake and growth of the plant"	17/03/2025
49.	Animal Health Camp (Paikramau)	Animal Health Camp (Paikramau)	20/03/2025
50.	Biodiversity Visual Storytelling Contest	Biodiversity Visual Storytelling Contest	21/03/2025
51.	Alumni Meet	Alumni Meet	11/04/2025
52.	VAC	"Biochar: A Sustainable Solution for Soil and Environment"	18/04/2025-02/05/2025
53.	Animal Health Camp (Khwaja ka purwa)	Animal Health Camp (Khwa ka purwa)	19/04/2025
54.	Kisan Gosthi (Anwari)	Smart Farming for a Sustainable Future: Embracing Innovation and Technology	19/04/2025
55.	Guest Lecture	Placement Oriented Training and Skill Development	24/04/2025
56.	Kisan Gosthi (Palka)	"Water Efficient Irrigation Practices for Horticultural Crops" "बागवानी फसलों के लिए जल-कुशल सिंचाई तकनीकें"	26/04/2025
57.	Educational Visit	One day workshop on Plant Varieties and Farmer's Right Protection workshop at KVK-II, Katiya, Sitapur	25/03/2025
58.	Kisan Gosthi (Bhakramau)	"Goat Based Integrated Farming System: Advanced Source of Farmers Income" (बकरी आधारित एकीकृत कृषि प्रणाली: ककसानों की आय का उन्नत स्रोत)	26/04/2025
59.	Kisan Gosthi (Paikramau)	"Value Addition in Medicinal Plants"	26/04/2025

60.	Kisan Gosthi (Khwaja ka purwa)	"Role of Indigenous Practices in Soil and Climate Management"	29/04/2025
61.	Indoor plantation drive	Advancing campus sustainability through eco club initiative	05/11/2024
62.	Kisan Gosthi (Basaha)	"Zero Budget Natural Farming: A Profit Boosting Path for Viksit Bharat 2047"	29/04/2025
63.	Animal Health Camp, Basaha village	Animal Health Camp, Basaha village	02/05/2025
64.	Animal Health Camp, Dasauli village	Animal Health Camp, Dasauli village	02/05/2025
65.	Kisan Gosthi (Rajauli)	"Climate-Smart Agriculture from Crop Physiology Perspective". "फसल क्रियाविज्ञान के दृष्टिकोण से जलियायु अनुकूल कृषि"	08/05/2025
66.	Kisan Gosthi (Dasauli)	"Post-Harvest Management and Value Addition in Fruits & Vegetables"	14/05/2025
67.	Rashtriya Sangoshthi-2025 on "प्राकृतिक सतत विकास के साथ सामंजस्य"	Rashtriya Sangoshthi-2025 on "प्राकृतिक सतत विकास के साथ सामंजस्य"	22/06/2025
68.	"Cleanliness Campaign" National Service Scheme (NSS) Activity	"Cleanliness Campaign" National Service Scheme (NSS) Activity	01/10/2024
69.	Essay Competition	Earth Day Essay Competition Organized by Community Service Club, Department of Agriculture, IIAST	19/04/2025
70.	Quiz Competition	Online Quiz Competition on "Recent Trends in Agriculture and Climate Change"	16/04/2025

### Glimpse of a few Activities



Animal Health camp organized by Department of Agriculture, IIAST in Dasauli, Rajauli, Kwaja ka purwa, Paikramau and Basha villages



"Honouring Mothers, Nurturing Nature: IIAST and Dean Students' Welfare Office Integral University's Green Initiative" Inspired by Prime Minister Shri Narendra Modi's nationwide "Ek Ped Maa Ke Naam" campaign



Department of Agriculture, IIAST organized a Parthenium Awareness Rally on September 6, 2024, to highlight the dangers posed by this invasive weed.



National Farmers' Day and Farmers' Felicitation Programme organized by Integral Institute of Agricultural Science and Technology, Integral University on 24th December, 2024

## Other Achievements

IIAST wins first prize in Kisan Mela and Exhibition at Virendra Kumar Singh Krishi Vigyan Kendra, Unnao. On November 4, 2024, the Integral Institute of Agricultural Sciences and Technology (IIAST) participated in the Silver Jubilee Celebration of Virendra Kumar Singh Krishi Vigyan Kendra (KVK), Unnao, at the Dhoarra center. For the past 25 years, KVK Unnao, under the leadership of Shri Ramesh Kumar Singh, has made remarkable contributions to the transformation of barren lands and the promotion of sustainable agriculture. The grand celebration, featuring a Kisan Mela and Agricultural Exhibition, was attended by state dignitaries, including the Honorable Horticulture Minister Shri Dinesh Pratap Singh as chief guest. Dr. Udhham Singh Gautam, Deputy Director General (Agricultural Extension) from the Division of Agricultural Extension, ICAR, also graced the event, bringing together agricultural experts, farmers, and institutions. IIAST was honored to receive the First Prize at the exhibition, acknowledging its innovative contributions to sustainable agriculture and community engagement. The IIAST team showcased a diverse range of agricultural practices and resources, aimed at advancing local farming techniques and enhancing productivity.

“IIAST: Leading the Way with ICAR Accreditation in Agricultural Education”. The Department of Agriculture, Integral Institute of Agricultural Sciences & Technology (IIAST), Integral University, has achieved a remarkable milestone by earning the prestigious accreditation from the Indian Council of Agricultural Research (ICAR). This distinguished honor serves as a powerful endorsement of the institution unwavering commitment to excellence in agricultural education, cutting-edge research, and innovation. As the sole private university in the Lucknow region to receive this coveted recognition, Integral University proudly stands out as a beacon of quality and progress in agricultural sciences. This ICAR accreditation reflects the department's relentless dedication to advancing India's agricultural sector through innovative approaches, technological advancements, and sustainable farming practices.

### A brief on Research projects being undertaken by the department.

- The undergoing Project which is sanctioned by the Uttar Pradesh State Biodiversity Board is on “Collection, Evaluation, and Characterization of Pigeon Pea Germplasms (Wild/Landraces/Varieties) for Climate Resilient Traits to Secure Nutritional Security in Uttar Pradesh, India” under a total cost not exceeding Rs. 4,72,400/- for two years to Dr. Deepti Srivastava (PI), Prof. Mohd. Haris Siddiqui (Co-PI) and Dr. Saba Siddiqui (Co-PI), Integral Institute of Agricultural Science and Technology (IIAST), Lucknow.
- The undergoing Project which is sanctioned by the Uttar Pradesh State Biodiversity Board is on “Assessment of Microbial Biodiversity in Forest Ecosystems of Dudhwa Tiger Reserve, Lakhimpur Kheeri” under a total cost not exceeding Rs. 4,85,000/- for two months to Dr. Faria Fatima (PI), Prof. Mohd. Haris Siddiqui, (Co-PI) and Dr. Saba Siddiqui, (Co-PI), Integral Institute of Agricultural Science and Technology (IIAST), Lucknow.
- The undergoing Project which is sanctioned by the Uttar Pradesh State Biodiversity Board is on “Assessment of Microbial Biodiversity in Forest Ecosystems of Pilibhit Tiger Reserve” under a total cost not exceeding Rs. 4,85,000/- for two months to Prof. Mohd. Haris Siddiqui, (PI), Dr. Saba Siddiqui, (Co-PI) and Dr. Malik Mobeen Ahmad, (Co-PI), Integral Institute of Agricultural Science and Technology (IIAST), Lucknow.

### Programmes taken up involving Inter- Institutional Collaboration.

Inter-Institutional Collaboration	Date	Place	Event
Department Of Agriculture, IIAST, Integral University, Lucknow & CSIR- National Botanical Research Institute, Lucknow Sponsored By Uttar Pradesh State Biodiversity Board, Lucknow	22/03/2025	Central Auditorium, Integral University	Workshop on Sustainable Solutions For Plant Diversity Conservation: Bridging Policies And Innovations

Department of Agriculture, Integral Institute of Agricultural Science and Technology (IIAST), Integral University, Lucknow, in collaboration with the Spices Board India, under the Ministry of Commerce and Industry, Government of India, Regional Office, Barabanki	23/01/2025	Kumharpur village	Mint Quality Improvement Training Program
Department of Agriculture, Integral Institute of Agricultural Science and Technology (IIAST), Integral University, Lucknow, in collaboration with the Spices Board India, under the Ministry of Commerce and Industry, Government of India, Regional Office, Barabanki	25/01/2025	Bhagatpurwa Village	Quality Improvement in Mint
Department of Agriculture, IIAST, Integral University, in collaboration with the Central Integrated Pest Management Centre (CIPMC), Lucknow	05/02/2025-06/02/2025	Department of Agriculture, IIAST	Two-Day Integrated Pest Management (IPM) Orientation and HRD Training Program
Department of Agriculture, IIAST in collaboration with Anganbadi, Bhagatpurwa, Gram Panchayat BKT, Block-Lucknow	26/10/2024	Bhagatpurwa Village	Rabi Crop Cultivation and Marketing Strategies
Department of Agriculture, IIAST, in association with the Environmental Law Society, Faculty of Law, Integral University	29/04/2025	Khwaja ka purwa	Role of Indigenous Practices in Soil and Climate Management
Department of Agriculture, IIAST in collaboration with Uttar Pradesh State Biodiversity Board (UPSBB) and CSIR-National Botanical Research Institute (CSIR-NBRI) Lucknow	2103/2025	Department of Agriculture, IIAST	Visual Storytelling Contest

#### A brief on University- Industry Linkages

S. No.	Course	Number of students	Industrial linkage
1.	B.Sc. (Hons.) Agriculture	94	1) Ishara Seed Processing, Barabanki 2) Smart V farms Mushroom Cultivation, Lucknow 3) Royal Honey & Bee farming Products, Lucknow 4) Sugarcane Factory Lakhimpur kheri IFFCO, Allahabad
2.	B.Tech. Agricultural Engineering	08	1) Central Farm Machinery Training & Testing Institute, Tractor Nagar, Budni, M.P. - 466445. 2) ICAR-Indian Institute of Sugarcane Research, Lucknow
3.	MBA Agribusiness Management	31	1) Syngenta 2) AMUL 3) Parag 4) Organic India 5) IFFCO, Parle

			6) Gramik Royal Honey Bees 7) Parijat Industries 8) UPL Limited 9) SUDHA (Comfed), Nkosh
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### A brief on Specific Collaborative Arrangements.

The Department of Agriculture, Integral Institute of Agricultural Science and Technology (IIAST), Integral University, Lucknow, in collaboration with the CSIR-National Botanical Research Institute (NBRI), successfully organized a one-day workshop on "Sustainable Solutions for Plant Diversity Conservation: Bridging Policies and Innovations." Sponsored by the Uttar Pradesh State Biodiversity Board on 22 March 2025. The workshop served as a platform for policymakers, researchers, academicians and environmental experts to discuss innovative strategies for the conservation of plant biodiversity. The event, held at the Central Auditorium of Integral University, focused on harmonizing policy frameworks, gene editing and metabolite engineering, ecological modeling and community engagement to ensure the long-term preservation of plant diversity.

The Department of Agriculture, Integral Institute of Agricultural Science and Technology (IIAST), Integral University, Lucknow, remains steadfast in its mission to support and uplift the farming community through various capacity-building initiatives. Recognizing the significance of mint cultivation in the region and the need for quality enhancement to meet market standards, the Department of Agriculture, Integral Institute of Agricultural Science and Technology (IIAST), Integral University, Lucknow, in collaboration with the Spices Board India, under the Ministry of Commerce and Industry, Government of India, Regional Office, Barabanki organized a specialized one-day training program titled "Mint Quality Improvement Training Program." This program was held on January 23, 2025, in Kumharpur village with the objective of equipping farmers with the necessary skills and knowledge to improve the quality, yield, and marketability of mint. The training program aimed to address key aspects of mint cultivation, processing, quality enhancement, and value addition to ensure that farmers remain competitive in the evolving agricultural landscape.

One of the primary growing places for the crop is the region of Lucknow, where about 80,000 hectares of land have been allocated to the cultivation of menthol mint which gives farmers a financial advantage as a result. Emphasizing upon the importance of Mint in that area, a one day "Quality Improvement Training Programme on Mint" was organized by Department of Agriculture, Integral Institute of Agricultural Science & Technology (IIAST), Integral University, Lucknow in collaboration with Spices Board (Ministry of Commerce and Industries, GoI) Regional Office, Barabanki on 13 February, 2024 at village-Bhagatpurwa.

A two-day Integrated Pest Management (IPM) Orientation and HRD Training Program was conducted on February 5th and 6th, 2025 by the Department of Agriculture, IIAST, Integral University, in collaboration with the Central Integrated Pest Management Centre (CIPMC), Lucknow. The objective of the training was to educate farmers on IPM principles and encourage sustainable, eco-friendly agricultural techniques.

A one-day Kisan Goshthi was organized by the Department of Agriculture, Integral Institute of Agricultural Science & Technology (IIAST), in collaboration with Anganbadi, Bhagtpurwa, Gram Panchayat BKT, Block-Lucknow on 26th October 2024 in Bhagatpurwa village, Tehsil BKT, District Lucknow on topic "Rabi Crop Cultivation and Marketing Strategies". The Goshti aimed to sensitize the local farming community and to address challenges in rabi crop cultivation and its management practices. Expert panels structured their discussions based on the farmers' expressed concerns, fostering an engaging and interactive platform for knowledge dissemination. The primary objective of the program was to enhance awareness of rabi crop cultivation, its management practices and post-harvest marketing strategies to optimize productivity and profitability.

The Department of Agriculture, IIAST, in association with the Environmental Law Society, Faculty of Law, Integral University organized a Kisan Goshthi on 29th April 2025. The outreach program was

conducted at Khwaja Ka Purwa, Rajauli Village, Lucknow, and aimed to empower farmers with knowledge about indigenous agricultural practices that support soil conservation and climate resilience. The program saw the participation of local farmers, students, and faculty members.

The Photography Club of Department of Agriculture IIAST, Integral University, Lucknow, organized the Biodiversity Visual Storytelling Contest on 21 March 2025 in collaboration with Uttar Pradesh State Biodiversity Board (UPSBB) and CSIR-National Botanical Research Institute (CSIR-NBRI) Lucknow. This innovative event encouraged students to explore the vast diversity of life through videography, blending scientific exploration with artistic expression. By capturing the intricate relationships within ecosystems, participants gained a deeper appreciation for biodiversity and its conservation. The contest also provided a platform for young minds to develop storytelling skills while raising awareness about environmental sustainability.

### Patents-

S. No.	Title of IPR	Authors Name	Date of Award/File	Nature of IPR
1.	A modular stackable cricket rearing device	Dr. Kalpana Bisht , Mr. Gouri Shankar Giri , Dr. Abhinav Kumar , .Dr. Salman Ahmad	05/11/2024	National
2.	A portable insect observation chamber with integrated lighting	Dr. Salman Ahmad 2. Dr. Kalpana Bisht 3.Prof. Saba Siddiqui 4.Dr. Sunil Yadav 5.Mr. Gouri Shankar Giri	01/09/2024	National
3.	Solar-powered smart device for noctuid trapping in maize crop	Fazil Hasan, Salman Ahmad, ANOORAG RAJNIKANT TAYDE, Uzma Manzoor, SAIF ALAM KHAN	05/10/2024	National
4.	Biochar-enriched soil amendment device for crop resilience enhancement	Dr. Nadeem Khan, Dr. Shipra Yadav, Dr. P. Smriti Rao, Dr. Sanket Kumar, Dr. Deepti Srivastava, Dr. Salman Ahmad	01/11/2024	National
5.	A solution to wastage of water through hydroponic farming using green tech approach	Sheeba Parween, Syed Aqeel Ahmad, Zeeshan Raza, Faria Fatima, Raziqa Masood, Akhtar Hasan jamal khan	19/12/2025	National
6.	Climate controlled smart ripening chamber	Dr. Swosti Debapriya Behera, Dr. G Karunakaran, Ameda Swarnalatha, Dr. K. Vanitha, Elangbam Serena, Dr. M. Kumar, Juman Das, Dr. Usman Sayeed,, Dr. Monika Patel	13/03/2025	National
7.	Crop Health Monitoring Device	Ms. Meena Kumari, Dr. Naimur Rahman Kidwai, Dr. Shimi, Dr. Saba Siddiqui, Mr. Aryan Vashisth, Mr. Anshu Khare	15/07/2024	National
8.	Automated Device For Early Detection Of Tomato Diseases	Dr. Malik Mobeen Ahmad, Prof. Parvez Alam, Prof. Saba Siddiqui, Dr. Tanseem Ahmed, Prof. Mohammad Faisal, Dr. Halima Sadia	21/09/2024	National
9.	An Intelligent Biomass Shredder System	Annu, Prof. Yadvika, Dr. Ayush Bhushan, Asfaq, Priya Gond, Pragya	13/12/2024	National
10.	Solar Powered Portable Hydroponic Setup for Seed Germination	Asfaq, Gazia Nasir, Prof. Saba Siddiqui, Prof. Mohammed Haris Siddiqui, Sandeep Kumar Singh, Dr. Mohammad Hasanain	17/05/2024	National
11.	A Domestic Portable Hydroponic System	Asfaq, Gazia Nasir, Prof. Saba Siddiqui, Prof. Mohammed Haris Siddiqui, Dr. Rishui Richa, Dr. Ambreesh Singh Yadav	6/6/2024	National

12.	Gel electrophoresis apparatus for analysing plant genetic material	Dr. Anand Kumar, Himani Punia, Annie Khanna, Dr. Shweta Sharma, Dr. Versha, Dr. Sagar, Dr. Jagdeep Singh, Dr. Akshay Kumar Vats, Dr. Deepti Srivastava	27/09/2024	National
13.	Development of batch Chamber type Malting Chmaber	Navin Kumar, Dr. Khan Chand, Dr Ajita Tiwari, Gazia Nasir, Dr. Muzeev Ahmad	01/05/2024	International
14.	Sustainable agronomy tool for organic farming and crop rotation	Sampurna Nand Singh and Abdul Mazeed	14/02/2025	National
15.	Blockchain controlled device for farmers market	Uday Veer Singh	18/03/2024	National
16.	Solar powered Mass Trapping Device Specifically Targeting Nocturnal Insect Pests, Particularly In Maize Cultivation. The Device Is Equipped With A 405 Nm Ultraviolet UV Lightening	Salman Ahmad	31/12/2024	National
17.	Cow Urine distillation device for cow urine based phenyl preparation	Sunil Singh, Diwakar Verma, Pankaj Kumar Gupta, Archana Singh	14/05/2025	National
18.	AI based veterinary diagnostic device for rapid disease identification	Zeeshan Ahmed Khan, Pankaj Kumar Gupta, Manoj Kumar Ahirwar, Dimpee Singh Gonge, Vivek Pratap Singh, Satya Prakash Yadav	25/06/2025	National

#### Bibliometrics of the publications based on Scopus/web of science & h-index.

S. No.	Faculty Details	h-index
1.	Dr. Mohd. Haris Siddiqui	27
2.	Dr. Saba Siddiqui	9
3.	Dr. Malik Mobeem Ahmad	12
4.	Dr. Nadeem Khan	4
5.	Dr. Salman Ahmad	13
6.	Dr. Faria Fatima	13
7.	Dr. Deepti Srivastava	12
8.	Er. Asfaq	5
9.	Dr. Sunil Kumar	5
10.	Dr. Mustfa Hussain	5
11.	Dr. Khalid Habib	7
12.	Dr. Udayveer Singh	5
13.	Dr. Usman Sayeed	9
14.	Dr. Satish Yadav	4
15.	Dr. Ayush Bhushan	4
16.	Dr. P. N. Verma	9
17.	Dr. P. Smriti Rao	8
18.	Dr. Rahil Akhtar Usmani	5
19.	Dr. Pankaj Gupta	5
20.	Dr. Suhail Ahmed	5
21.	Dr. Srishti Thakur	2
22.	Dr. Abhineet	3
23.	Dr. Akansha Singh	4

23.	Dr. Akansha Singh	4
24.	Dr. Sanket Kumar	5
25.	Dr. Mujeev Ahmed	4
26.	Dr. Ambreesh Singh Yadav	4
27.	Dr. Ruqaiya Bano	1
28.	Dr. Nitish Kumar	1
29.	Dr. Pallavi Srivastava	3
30.	Dr. Zeeshan Ahmed Khan	2
31.	Dr. Kalpana Bishti	6
32.	Dr. Abdul Mazeed	5
33.	Dr. Sampurna Nand Singh	2
34.	Dr. Akshay Kumar	1
35.	Dr. Munny Chinyo	0
36.	Dr. Devi Darshan	4
	<b>Total Departmental h-index</b>	<b>220</b>
	<b>Average h-index</b>	<b>6.39</b>

#### Number of Invited Lectures/Plenary Lectures organized by the Department.

S.No	Topic	Name	Date	Bio of Resource Person
1	Can we exploit Sodic soils as a Goldmine in India	Mr. T.S. Rahi	04/02/2025	Mr. T.S. Rahi, Retd. Sr. Principal Scientist, National Botanical Research Institute, Lucknow
2	Water Management - Micro Irrigation Techniques for Higher WUE	Dr. Chandra Gupta	10/10/2024	Dr. Chandra Gupta, Principal Scientist, Division of Crop Production, Indian Institute of Sugarcane Research (IISR), Lucknow
3	Animal Welfare and Future Perspectives	Dr. Neelam Bala, Joint Director, Animal Husbandry Department, Government of Uttar Pradesh	11/09/2024	Dr. Neelam Bala, Joint Director, Animal Husbandry Department, Government of Uttar Pradesh and Former Secretary, Animal Welfare Board of India. Dr. Neelam Bala, an expert in animal welfare and livestock management, enlightened the students on various topics related to ethical animal treatment, government policies and sustainable livestock practices.
4	Guest Lecture on "Agricultural education and its future prospects"	Prof. R. C. Srivastava, Former Vice Chancellor, RPCAU	01/08/2024	Dr. Shrivastava, an esteemed agricultural scientist and former Vice Chancellor of Dr. Rajendra Prasad Central Agricultural University (RPCAU), Samastipur, Bihar

5.	"Placement Oriented Training and Skill Development"	Mr. Asif Riaz, Director and Mr. Layeek Khan, Executive Director from Fair Agri Solutions	24/04/2025	Mr. Asif Riaz, Director and Mr. Layeek Khan, Executive Director from Fair Agri Solutions
6.	Guest Lecture on Health and Wealth from Horticultural Waste	Dr. Neelam Bala, Joint Director, Animal Husbandry Department, Government of Uttar Pradesh and For	08/03/2025	Dr. Neelam Bala, Joint Director, Animal Husbandry Department, Government of Uttar Pradesh and Former Secretary, Animal Welfare Board of India. Dr. Neelam Bala, an expert in animal welfare and livestock management, enlightened the students on various topics related to ethical animal treatment, government policies and sustainable livestock practices.

#### Number of Adjunct /Visiting Professor associated with the Department with their brief profile.

S. No.	Name	Designation	Disciplines	Phone No.	Email ID
1.	Prof. Harikesh Bahadur Singh	Former Professor, Department of Mycology and Plant Pathology, Institute of Agricultural Sciences, Banaras Hindu University, Varanasi-221005, India	Plant Pathology	9415355571	hbs1@rediffmail.com
2.	Dr. Mohd Aslam	Former Advisor (Scientist G) Adviser Department of Biotechnology, Government of India	Agricultural Biotechnology	9871935454	aslam@dbt.nic.in
3.	Dr. Narendra Mohan	Former Director, National Sugar Institute (NSI) in Kanpur	Sugar Technology	9415125104	nsikanpur@nic.in, director.nsi@gov.in
4.	Dr. Gulshan Wadhwa	Former Adviser and Scientist G at Department of Biotechnology, <u>Ministry of Science and Technology, New Delhi</u>	Biotechnology	9811301820	gulshan@dbt.nic.in
5.	Prof. N.C. Gautam	Ex. Vice Chancellor, <u>Mahatma Gandhi Chitrakoot Gramodaya Vishwavidyalaya, Satna</u>	Genetics & Plant Breeding	7581819600, 9415207273	gautamnc01@gmail.com
6.	Prof. Ram Kathin Singh	Former Director of Research, NDUAT, Ayodhya	Genetics & Plant Breeding	9721719736	rksingh.neford@gmail.com

7.	Dr. Narendra P. Singh	Ex-Director, <u>Indian Institute of Pulse Research</u> (IIPR), Kanpur, U.P.	Genetics & Plant Breeding	8005383963	npsingh.iipr@gmail.com
8.	Dr. Masood Ali	Former Director, <u>Indian Institute of Pulse Research</u> (IIPR), Kanpur, U.P.	Agronomy	9450344220	<a href="mailto:masoodali53@rediffmail.com">masoodali53@rediffmail.com</a>
9.	Dr. Rasappa Viswanathan	Ex-Director, Indian Institute of Sugarcane Research (IISR) Lucknow, U.P.	Plant Pathology & Crop Protection	9442543875	rasaviswanathan@yahoo.co.in
10.	Dr. Ashwini Dutt Pathak	Former Principal Scientist and E Director, ICAR-Indian	Agriculture	adpathak@iul.ac.i	9450373565
11.	Dr. Dhananjai Singh	Former Professor Agronomy; He K.V.K.; and Coordinator, Director of extension, CSAUA&T, Kanpur	Agriculture	<a href="mailto:dhsingh@iul.ac.in">dhsingh@iul.ac.in</a>	7007957682
12.	Dr. Ramesh Chandra Srivastava	Former Vice Chancellor, RPCAU, Pu Bihar	Agriculture	<a href="mailto:rameshcs@iul.ac.in">rameshcs@iul.ac.in</a>	904003332
13.	Dr. Pradeep Kumar Singh	Former Registrar, A.N.D.U.A. & Kumarganj, Ayodhya	Agriculture	<a href="mailto:pk Singh@iul.ac.in">pk Singh@iul.ac.in</a>	7408836617
14.	Dr. Shamim Akhtar Ansari	Former Scientist G & Director, ICFR Institute of Forest Productivity, Ranc India	Agriculture	9113493477	<a href="mailto:sansari@iul.ac.in">sansari@iul.ac.in</a>
15.	Shri. Talevar Singh Rahi	Former Sr. Principal Scientist, S Science Laboratory, National Botanic Research Institute, Rana Pratap Mar Lucknow	Agriculture		<a href="mailto:tsrani@iul.ac.in">tsrani@iul.ac.in</a>
16.	Dr. Neelima Garg	Retired Acting Director ICAR-CIS Lucknow Head, Division of Po Harvest Management, ICAR-CIS Lucknow	Agriculture	-	09415786633
17.	Dr. Shailendra Rajan	Former Director, ICAR-Centr Institute for Subtropical Horticultu (CISH)	Agriculture	<a href="mailto:shranjan@iul.ac.in">shranjan@iul.ac.in</a>	9415794997
18.	Shri. Gyan Singh	Former Secretary U.P. Council Agricultural Research	Agriculture	<a href="mailto:gyans@iul.ac.in">gyans@iul.ac.in</a>	94154 10666

19.	Dr. Sushil Solomon	Former Vice-Chancellor, Chand Shekhar Azad University Agriculture & Technology, Kanpur	Agriculture	<a href="mailto:sushils@iu.ac.in">sushils@iu.ac.in</a>	9839040995
20.	Dr. Mukund Sharma	CSIR Emeritus Scientist	Agriculture	sharmamukund1@rediffmail.com	9839314630

### Adjunct Professor

S. No.	Name	Designation	Disciplines	Phone No.	Email ID
1.	Dr. Vijay Kumar Gupta	Associate Professor, School of Biotechnology, Consdale, Dublin City University, Glasnevin, Dublin, Ireland	Biotechnology	+353862001820	<a href="mailto:vijaifzd@gmail.com">vijaifzd@gmail.com</a>

### Consultancy Assignments handled. Corporate Training obtained.

S. No.	Consultancies	Agency
1.	Evaluation of Bajra germplasm under different agro-climatic condition of U.P.	UPCAR, Lucknow
2.	Evaluation of Private Sector Rice Genotypes under different agro-climatic zone of U.P. in Kharif -2024	UPCAR, Lucknow
3.	Evaluation of Private Maize Genotypes under different Agro-Climatic Zone of U.P. in Kharif -2024	UPCAR, Lucknow
4.	Evaluation of Mustard germplasm under different agro-climatic condition of U.P.	UPCAR, Lucknow

### International Visitors to the Department.

Prof. Nortoiji Hojamshukurov, Prof. Zebo Babakhanova, and Prof. Botir Usmonov from the Tashkent Institute of Chemical Technology, Uzbekistan, visited the Department of Agriculture at Integral Institute of Agricultural Science and Technology, Integral University, Lucknow. During their visit, they explored the Instructional Farm Units, Library, and Museum, gaining insights into the academic and practical infrastructure of the department and held discussions on the ongoing research works and collaborative opportunities.

**A mention that curricula developed and implemented have relevance to the local, regional, national and global developmental needs, and the courses having focus on employability/ entrepreneurship/ skill development.**

In accordance with the recommendations put forth by the Board Subject Matter Committee in Agriculture (BSMA) under the aegis of ICAR (Indian Council of Agricultural Research), the Institute has duly incorporated a restructured and revised syllabus, along with standardized Academic Regulations applicable to both Postgraduate (PG) and Doctoral (Ph.D.) programs. This comprehensive curriculum was initiated for programs commencing in the Academic Session of 2024-25. Furthermore, the Institute is committed to adhering to the guidelines outlined by the fifth Dean Committee, which is focused on enhancing the quality of agricultural education. It is worth noting that all the courses offered by the Institute have been meticulously designed to align with the developmental needs at the local, regional, national, and global levels. Additionally, a significant emphasis has been placed on the integration of employability, entrepreneurship, and skill development components within these courses, reflecting our commitment to preparing students for a diverse range of career opportunities.

### ICT enabled tools including online resources for effective teaching and learning processes.

During the last five years, most faculties have developed ICT enabled teaching material and practical manuals. College has audio visual teaching aid facility and smart class rooms. Practical/project work centered courses have been developed. The Institute gives due weight age to the innovative teaching method developed by faculties. ICT is a part of teaching programme. ICT application in curricula delivery is meeting the expectation. ICT application in theory is done by power point presentation and practical through digital presentation. The university introduced 'Integral Learning Initiative' (ILI) across all programmes. In-house developed ILI provides an online platform for teachers and students to interact and be used by the teachers for online lecture, attendance, quizzes, assignments, lab submission and evaluation

### The Details of seed money provided to teachers for research.

S.No.	Name	Topic	Duration	Amount
1.	Prof. Saba Siddiqui	"Impact of Integrated Nutrient Management (INM) Practices for enhancing Growth, Yield and Dye Content of Blue Gold ( <i>Indigofera</i> Spp.)"	2 years	2,00,000/-
2.	Dr. Mustfa Hussain	"Assessing the Impact of Model APLM Act 2017 on Farmers' Income and Market Access in Lucknow"	2 years	2,60,000/-
3.	Dr. P. Smriti Rao	"Wheat Stubble biochar role in enhancing soil fertility and carbon sequestration: A sustainable alternative to crop-residue burning in India."	2 years	2,00,000/-
4.	Dr. Muzeev Ahmad	Effect of phytobiotics on egg production and quality in layer poultry birds.	2 years	1,60,000/-
5.	Dr. Sampurnanad	Leveraging zinc nanoparticles for biofortified tomatoes: a sustainable approach to combat human zinc deficiency	2 years	2,30,000/-

### Number of JRFs, SRFs, Post-Doctoral Fellows, Research Associates and other research fellows.

♣ Number of Ph.D. awarded in 2024-25 session: 02

♣ Number of students enrolled in Ph.D. program in 2024-25 session: 22

### Number of workshops/seminars conducted on Research methodology, Intellectual Property Rights (IPR), entrepreneurship, skill development.

S.No.	Event	Theme	Date
1.	Idea Hunt	Idea Hunt for Small Agri-preneurship	13/08/2025
2.	Incubation Program	Incubation Program for horticultural start-up "Udayanoday - 2"	09/11/2025
3.	Guest Lecture	Placement Oriented Training and Skill Development	24/04/2025
4.	Workshop	Enhancing Teaching Skills through Smart Board Technology	25/10/2024
5.	Educational visit to one day workshop	Plant varieties and Farmer's Right Protection at KVK-II, Sitapur	25/03/2025

**Number of awards received by department, its teachers and students from Government/Government recognized bodies, National & International Agencies in recognition of the extension activities.**

S.No.	Name of Faculty	Name of Award/ Certificates	Topic	Name of Institute	Year
1	Dr Faria Fatima	Young Biotechnologist Award	Young Biotechnologist Award	IACRS-ICAR-IISR	Nov 2024
2	Salman Ahmad	Best Presentation Award	1st International Conference on Innovations to achieve climate resilient smart agriculture for ensur	Agriculture, Entrepreneur, Environment and Technology Development Society	Nov 2024
3.	Ayush Bhushan	Young Scientist Award	International Conference	S R University, Warangal, SKLSTHU, Hyderabad, Just Agriculture Educational Group and ISHARD, Chandigarh	Apr 2024
4.	P. Smriti Rao	Best Teacher Award	2nd International Agriculture Conference	Hindustan Agricultural Research Welfare Society Hindustan Agriculture Group, Mob.: 9557100101 Web.: www.harws.com Fax: 0562-752215 Office: 0562744615 Head Quarter:- Benai Khurd, Anwalkhera, Agra- 283201 (UP)	Nov 2024
5.	Dr Sampurna Nand Singh	Dr. Rajendra Prasad Srivastava Budding Scientist Award	Progressive Horticulture National Symposium 2024	India Society of Horticulture Research and Development	Oct 2024
6.	Malik M Ahmad	Certificate of Appreciation	Training Session for Waste Optimization Professional	TERI	Aug 2024
7.	Setu Ratnam	Woman scientist award	International agriculture conference	Hindustan Agriculture Group Editor In-Chief- Nature Times Magazine Mob.: 9557100101 Web.: www.harws.com Fax: 0562-752215 Office: 0562744615 Head Quarter:- Benai Khurd, Anwalkhera, Agra- 283201 (UP)	Nov 2024
8.	Dr. Kalpana Bisht	Best Oral Presentation Award	International Conference	Agriculture Entrepreneur Environment And Technology Society Lucknow	Nov 2024
10.	Dr. Abdul Mazeed	Young Scientist Award	Conference	Agriculture	Nov 2024
11.	Dr. Srishti Thakur	Best Oral Presentation Award	International conference	Just Agriculture, 6284333915	Nov 2024
12.	Dr Sunil Kumar	Excellence in Teaching Award	2nd International Agriculture Conference Natural Farming Innovations Enhancing Soil Health and Seed	Dr. Anil Kumar Chaudhary, Gen. Secretary & CEO, Hindustan Agricultural Research Welfare Society Hindustan Agriculture Group Editor In-Chief- Nature Times Magazine Mob.: 9557100101 Web.: www.harws.com	Mar 2024

				Fax: 0562-752215 Office: 0562744615 Head Quarter:- Benai Khurd, Anwalkhera, Agra- 283201 (UP)	
13.	Dr. Deepti Srivastaa	Women Scientist Award	2nd International Agriculture Conference	Hindustan Agricultural Research Welfare Society	Nov, 2024
14.	Dr. Deepti Srivastava	Young Women Scientist Award	National Seminar	360 Research Foundation	Jan, 2025
15.	Prof. Saba Siddiqui	Honorary Professor	Resolution of the council of research and production centre for growing and processing medicinal plants	Research and Production Centre for Growing and Processing Medicinal Plants	Sept, 2024
16.	Prof. Saba Siddiqui	Certificate of Visiting Professor	In recognition of lecture given to students and academic staff of Tashkent Institute of Chemical Technology	Tashkent Institute of Chemical Technology	Sept, 2024

**No. of classrooms and seminar halls with ICT-enabled facilities such as LCD, smart board, Wi-Fi/LAN, audio video recording facilities.**

- Number of classrooms with ICT enabled facilities: 17
- Number of seminar hall with ICT enabled facilities: 1
- Number of Board room with ICT enabled facilities: 1
- Number of Smart class room with smart board and ICT enabled facilities: 1

**No. of students qualifying in state/national/international level examinations.**

(eg:NET/SLET/GATE/GMAT/CAT/GRE/TOEFL/CivilServices/State Government Examinations).

No. of students qualified UPCATET: 27

**Number of awards/medals won by students for outstanding performance in sports/cultural activities at inter-university/state/national/international events.78**

S. No.	Name of Students	Program	Name of Achievements & Agency/Organization	Rank	Year
1	Sakshi Kumari	Sansad Khel Maha Kumbh	Award (Illrd Runner)in 400 Meter Race, Sansad Khel Maha Kumbh	3rd	2025
2	Md. Warish	Athletics	UDGHOSH24 Certificate, Athletics		2024
3	Tamana Jalil Khan	Photomathon	Photomathon, Integral University	1 <sup>st</sup>	2025
4	Sakshi Kumari	100 meter race	FIESTA, Integral University	1 <sup>st</sup>	2025
5	Irfan Ali	Skit	FIESTA, Integral University	1 <sup>st</sup>	2025
6	Amit Kumar Chauhan	President Scout Award	National		2025

**Disabled-friendly, barrier free environment.**

**The department has disabled-friendly, barrier free environment.**

The Rights of Persons with Disabilities Act (the RPWD Act), 2016 mandates equality and non-discrimination and these attributes can only manifest if people with special needs are not excluded due to structural and attitudinal barriers. The department has a well-defined set of dos and don'ts in HR policy, procurement, supplier

management, infrastructure management. Department has walking floor space in the aisles free of obstacles, accessible entrance with brailled lift system, ramps for wheelchair movements, accessible digital properties like fingerprinted punching system as well facial scanning punching system, accessible amenities like washrooms, lavatories, water-coolants etc.

### **A brief about two best practices successfully implemented by the department.**

#### **Krishi Mulya Vardhan Yojana, Bhagatpurwa**

The Department of Agriculture at IAST, Integral University, has implemented the Krishi Mulya Vardhan Yojana in Bhagatpurwa Village, Tehsil-BKT, Lucknow, with the primary objective of empowering farmers—especially women—and promoting sustainable agricultural practices. The initiative focuses on value addition to agricultural produce, enabling farmers to enhance the marketability and profitability of their crops. Through capacity-building activities and a profit-sharing model, the program encourages sustainable methods of farming while ensuring financial inclusion and community upliftment. The impact has been notably positive, with increased awareness among farmers and improved livelihoods, particularly for women who now actively participate in income-generating agricultural activities.

#### **Animal Health Camp, Khwaja ka Purwa**

To address the critical gaps in veterinary care and livestock management, an Animal Health Camp was organized in Khwaja ka Purwa. Livestock farmers in the region often struggle with limited access to veterinary services, inadequate knowledge of animal nutrition, and poor awareness of disease prevention. The camp provided a much-needed platform for offering preventive care, timely vaccinations, and treatment for sick animals. Additionally, farmers received valuable guidance on deworming and nutritional best practices. The intervention was well received, with the local farming community expressing appreciation for the support and reporting improved health outcomes for their livestock as a result of the camp.

### **A brief on students' progression and placements.**

The status of progression & placements of students during the year is given as follows:-

1.	B.Sc. (Hons.)	85 students have been placed in different companies/organizations
2.	B.Sc. (Hons.)	23 students branched out for higher studies
3.	MBA (Agribusiness Management)	20 students have been placed in different organizations/companies
4.	M.Sc. (Agri.)	10 students have been placed in different organizations/companies

### **MoU inked with National /International Academic and Research Institutions/Industries/NGOs.**

S. No	The functional MoUs with Institutions during Last five years are as under	Year	Outcomes
1.	Krishi Vigyan Kendra, Sitapur II	14/05/2024	Student READY Programme especially RAWE conducted in collaboration with Krishi Vigyan Kendra.
2.	Krishi Vigyan Kendra, Pratapgarh.	14/05/2024	Student READY Programme especially RAWE conducted in collaboration with Krishi Vigyan Kendra.
3.	Krishi Vigyan Kendra, Unnao.	14/05/2024	Student READY Programme especially RAWE conducted in collaboration with Krishi Vigyan Kendra.
4.	ICAR-Central Institute of Subtropical Horticulture, Lucknow, U.P.	29/02/2024	Collaborative research, Visit, guest lecture and interaction with Scientists of the Institute.
5.	U.P. Council of Sugarcane Research, Shahjahanpur	29/02/2024	Training of faculty members, interaction, student visit and Guest lectures organized.
6.	Institute of Co-operative & Corporate Management, Research & Training, IndiraNagar, Lucknow	05/02/2024	Sharing knowledge, data base and resource utilization. Cooperation in training and research project.

7.	Khwaja Moinuddin Chishti Language University, Lucknow.	12/03/2024	Collaborative dissertation for MBA Agribusiness Management Students, Visit, kmguest lecture and interaction with Scientists of the Institute.
8.	CSIR- National Botanical Research Institute, Lucknow, India	13/12/2023	Joint Research Program where mutually using leading research facilities developed/ to be developed. CSIR-NBRI scientists may participate in the various teaching programs in Integral University (IU). There will be exchange of visit of CSIR-NBRI scientists and faculty members of IU, Lucknow CSIR-NBRI and IU, Lucknow will work closely to generate appropriately trained manpower in the related areas through organization of formal academic curricula, symposia, Visit, short term training courses etc.

# DEPARTMENT OF COMMERCE

**Prof Adeel Maqbool** : Dean & HoD

The Department of Commerce began its journey in 2013 with just fifty-five students enrolled in the B. Com (Hons) program. Today, the department stands strong with over 750 students, marking a significant milestone in its growth and impact. Our mission is simple yet profound: to transform the world through education. The Department set high standards for our students, providing them with a dynamic learning environment and comprehensive curricula designed to prepare them for success in an increasingly complex and technology-driven global economy. The department offers a diverse range of undergraduate programs, including:

Bachelor of Commerce (Hons.)

Bachelor of Commerce (International Accounting & Finance in association with ACCA)

Bachelor of Commerce (Retail Operations Management)

Bachelor of Hotel Management (BHM)

At the postgraduate level, we offer:

Master of Commerce

Master of Commerce in Business Analytics

## Highlights of Major Activities

- National Seminar on 'Questionnaire Designing, Scale Measurement & its Validation' by Dr. Syed Azamussan, Assistant Professor, Department of Commerce & Business Management, B.S. Abdur Rehman Crescent University, Chennai on June 22, 2024.
- National Seminar on 'Profitable Financial Investments as Business Sustainability' by Dr. Amuthan R. Associate Professor, School of Commerce & Economics, Presidency University, Bengaluru & Empaneled Trainer, NSE on August 08, 2024
- National webinar on the topic of 'The art of writing Dissertation/Project Report' by Prof Nawab Ali Khan, Ex-Dean and Chairperson, Faculty of Commerce, Aligarh Muslim University on September 10, 2024.
- Guest Lecture on the topic 'Accounting Standards & Techniques in India' by Prof (Dr.) Naseem Ahmad, Ex-Dean & HoD, School of Management & Social Sciences, Baba Ghulam Shah Badshah University, Rajouri, Jammu & Kashmir on January 28, 2025.
- Guest Lecture on the topic 'Research Methods in Social Sciences' by Prof Ritu Sapra, Department of Commerce, Delhi School of Economics, University of Delhi on May 29, 2025.
- Guest Lecture on the topic 'Research Activities to build Academic Performance Indicator' by Prof (Dr.) Md Kamalun Nabi, Department of Commerce & Business Studies, Faculty of Social Sciences, Jamia Millia Islamia, New Delhi on May 24, 2025.

## A brief on University- Industry Linkages.

- University-Industry Linkage plays a pivotal role in bridging the gap between academic knowledge and industry practices, fostering innovation, enhancing employability, and driving economic growth. At Integral University, Lucknow, the Department of Commerce actively promotes such collaborations to ensure that students are equipped with industry-relevant skills and global competencies.

In this direction, the Department of Commerce has signed significant Memorandums of Understanding (MoUs) with two major industry leaders:

**Maruti Suzuki India Limited** - This collaboration aims to provide practical exposure and industry-aligned training to students pursuing B. Com (Automobile Retail Management). The program integrates academic learning with real-world business practices in the automobile sector, equipping students with the skills needed for dynamic careers in retail management and operations.

**International Accounting and Finance, United Kingdom (ACCA)** - The MoU supports the specialized B. Com (ACCA) program, aligned with the globally recognized Association of Chartered Certified Accountants (ACCA). This partnership ensures that students gain access to international accounting standards, professional certification pathways, and industry insights critical for careers in global finance and accounting.

These collaborations reflect the University's commitment to holistic, career-focused education through meaningful industry engagement.

#### **A Brief on Community welfare/ Charitable activities undertaken during the year.**

- The Department organized Cloth Donation drive under Daan-Utsav campaign initiated by the Government of Uttar Pradesh with the aim to extend a helping hand towards the underprivileged sections of the Society. Students, staff and others whole heartedly contributed for this noble task.
- Number of Invited Lectures/Plenary Lectures organized by the Department. -09

S. No.	Date of Event	Nature of the Event Conference / Workshop/ Training/ FDP/ Seminar	Title of the Event
1.	08/08/2024	Workshop	'Profitable Financial Investments as a Business Sustainability
2.	18/05/2024	Workshop	One-Day National Workshop on Bibliometric Analysis
3.	30/04/2024	Workshop	One Day National Workshop on Systematic Literature Review (SLR)
4.	05/08/2024	Workshop	'Basic of Applied Econometrics
5.	16/05/2024	Workshop	One-day workshop on Use and Awareness of E-Resources
6.	19/02/2024	Workshop	RESEARCH PAPER PUBLICATION
7.	01/02/2025	Workshop	First Aid in Emergencies
8.	29/05/2025	Guest Lecture	Guest Lecture on "Research Methods in Social Sciences"
9.	20/05/2025	Guest Lecture	Guest Lecture on "Research Activities to build Academic Performance Indicator (API)

#### **Consultancy Assignments handled. Corporate Training obtained.**

The Department has actively engaged in academic-industry collaboration to bridge the gap between theoretical knowledge and practical application. In alignment with this objective, the department has successfully undertaken a consultancy assignment with Subhash Chander Bose Academy, Lucknow. This consultancy initiative focused on designing and delivering tailored corporate training modules aimed at enhancing administrative efficiency, financial literacy, and academic management practices at the Academy. Faculty members from the Department of Commerce provided structured training sessions, workshops, and strategic input based on the latest developments in commerce and management education. Through this consultancy, the department has not only demonstrated its commitment to community and institutional development but also strengthened its role as a resource hub for applied commerce and management expertise in the region.

### Curricula developed and implemented.

The Faculty of Commerce has developed courses with apprenticeship element in all its programmes including B. Com (Hons), B. Com (IAF), B. Com(ARM), BHM & M. Com, all these programmes are having a mandatory apprenticeship /internship course inclusive in them to cater the entrepreneurship/employability/skill development among students. Further the department is going to start B. Com (Retail Operations Management) as a dedicated apprenticeship embedded degree programme from academic session 2025-26.

### ICT enabled tools

The Department is having 13 class rooms of which all are ICT enabled, it also maintains a seminar hall & computer lab comprising of 58 computers.

### List of Research Scholars Who Have Completed Their Ph.d. Degree Of Integral University In The Year 2024

Sl. No.	Name of Scholar	Enroll. No.	Name of Supervisor/ Co - Supervisor	Department	Faculty	Title of the Thesis	Sub Committee Held
1.	Saman Zameer	1701166	Dr. Shuja Uddin Khan	Commerce & Business Management	Commerce & Management	Impact of financial inclusion programme on alleviation of poverty with special reference to Pradhan Mantri Jan Dhan Yojana	30.10.2024
2.	Samiya Farooq	1901025	Dr. Adeel Maqbool	Commerce & Business Management	Commerce & Management	Changes in buying behaviour of consumer with reference to conditional rebate in retail stores in Lucknow	27.12.2024

### List of Research Scholars who Have Completed Their Ph.d. Degree of Integral University in the Year 2025

Sl. No.	Name of Scholar	Enroll. No.	Name of Supervisor/ Co-Supervisor	Department	Faculty	Title of the Thesis	Sub-Committee Held
1.	Atika Mustafa	2001055	Dr. Shuja Uddin Khan	Commerce	Commerce	Study of select schemes of Government of India in alleviating poverty in rural areas of Lucknow	15.04.2025
2.	Zakia Rizvi	1801078	Dr. Farhina Sardar Khan	Commerce	Commerce	Analysis on financial impact of mergers and acquisition on select Indian banks	26.05.2025
3.	Mubasshara Hasan	1801035	Dr. Moiz Akhtar	Commerce	Commerce	Comparative study of mobile banking services offered by select private sector banks in Lucknow	12.06.2025

4.	Samarth Pande	1901074	Dr. Syed Shahid Mazhar	Commerce	Commerce	A study of financial planning and tax saving strategies of salaried employees in U.P.	12.06.2025
5.	Rishika Awasthi	2001009	Dr. Moiz Akhtar / Dr. Farhina Khan	Commerce & Business Management	Commerce & Management	Impact of Goods & Services Tax (GST) on handicraft industry in Uttar Pradesh	10.02.2025
6.	Shama	2001195	Dr. Syed Shahid Mazhar / Prof. Prabhat Mittal (Satyawati College, New Delhi)	Commerce & Business Management	Commerce & Management	Role of Small Industries Development Bank of India (SIDBI) in digital transformation of micro, small and medium enterprises in U.P.	10.02.2025

### Awards/medals won by students.

The Department of Commerce proudly clinched gold medals in both Kabaddi and Football during the grand celebration of Fiesta 2025, held on 10th February 2025.

### Disabled-Friendly environment

The department has maintained disabled -friendly, barrier free environment as per UGC guidelines and NAAC standards, it has installed ramps, common room, disabled friendly wash rooms to cater the requirements of Divyaang students.

### A brief about two best practices successfully implemented by the department.

The department has successfully rolled the successive plantation drives under campaigns of the government especially under Ek Ped Maa Ke Naam campaign contributing towards the green campus initiative. A brief on start-ups incubated at CIED.

Amaan Hussain, a student of B. Com (Hons) at Integral University has launched a start-up which has been incubated at CIED.

### A brief on his start-up is as under:

Zyphr Motors founded by Amaan Hussain incubated at CIED, Integral University is an automobile sector unit focusing on designing high-speed electric two-wheelers for the Indian Market and offering connect6ed ride experience, features onboard navigation, personalized profiles with a top speed of 80 kmph.

### Extension and outreach program through NSS, Swatch Bharat, Unnat Bharat Abhiyhan.

Department has conducted 02 extension and outreach program in collaboration with NSS:

€loth distribution drive under Daan-Utsav campaign at Paikramau village, Kursi Road, Lucknow on November 21,2024

€nsitization campaign on Food hygiene & safety amongst the shopkeepers at Medical College Road, Near Integral University, Lucknow on May 02,2025.

# DEPARTMENT OF BIOENGINEERING

**Prof. (Dr.) Sunil Kumar** : Dean

**Prof. Dr. Alvina Farooqui** : HoD



Group photograph of TISECON participants



Prof. Alvina Farooqui and Dr. Poonam Sharma

The Department of Bioengineering is a part of the Faculty of Engineering and Information Technology. It was conceived in the year 2004 as the Department of Biotechnology with two courses, that is B.Tech and M.Sc. in Biotechnology. The new courses of M. Tech Biotechnology, M.Sc. Microbiology and M.Sc. Bioinformatics started in the year 2006. Further, B.Sc. Biotechnology M.Sc. in Biochemistry was started in the year 2007. Later on B.Tech-M.Tech Biotechnology (Dual Degree), M.Tech Biotechnology (Evening 3 Year Course), M.Tech Bioinformatics, B.Tech Food Technology, B.Tech - M.Tech Food Technology (Dual Degree), B.Tech. Biomedical Engineering programs were also introduced. From the session 2020-2021, M.Tech. in Biochemical Engineering has also started with special emphasis on training of the students for industrial jobs. M.Tech in Biomedical Engineering has been approved in the session 2021-2022. The department also offers PhD in various areas of specialization.

There are highly experienced faculty members in the Department who are well qualified and have national and international exposure. The faculty members continuously participate in national and international conferences, seminars, trainings and workshops in order to apprise themselves with latest updates. The Department has rich infrastructure and well equipped laboratories to carry basic as well as applied research. The department is working in the area of natural products, nanoformulations, healthcare devices, plant and animal tissue culture, computational biology, targeted drug delivery systems, nanobiotechnology, cancer biology, molecular immunology, fermentation technology, mathematical modelling and simulation, bioprocess engineering and controls, food valorisation, food processing and packaging.

## Highlights of the major activities and achievements

The faculty members and research scholars associated with the department have published around 44 research papers in different national and international journals of high repute and impact factor as well as book and chapters on various topics. The department has received extra mural research grants from various Central Government funding agencies like DRDO, CCRUM, Ministry of AYUSH, DST, DBT, SERB, Oxford University as well as from State Government like UPCST. The research scholars of the department received fellowships from UGC, DST, DBT, ICMR, DRDO, CCRUM, AYUSH, UPCAR and UPCST for pursuing their research as JRF and SRF. The department also has the distinction of providing good placement to the students in association with CCG&D and many students qualify national level exams like GATE, CSIR-NET, ICAR-NET, CAT, MAT.

## A brief on Research projects being undertaken by department.

1. **Prof. (Dr.) Iffat Zareen Ahmad:** Awarded Research Grant of Rs. 28.28 lakhs as a Principal Investigator from CCRUM, Ministry of AYUSH, Government of India on a project titled "Study and validation of the

anticancer potential of prominent Unani medicines and their nanoformulations as an adjuvant against liver carcinoma" (Duration: 16th November, 2022-15th November, 2025).

2. **Prof. (Dr.) Iffat Zareen Ahmad (Co-PI):** Awarded Research Grant of Rs. 11.86 lacs under EMR scheme as a Co-Principal Investigator from Uttar Pradesh Council for Science & Technology, Government of Uttar Pradesh on a project titled "In vitro secondary metabolite production through hairy root cultures in *Enicostemma axillare*-an important medicinal plant" (Duration 16th Nov., 2024-15th Nov., 2027).

### Programmes taken up involving Inter- Institutional Collaboration.

The Department of Bioengineering offers PhD Programme in Biotechnology, Bioinformatics and Food Technology. The Department has collaborations with the national laboratories from Lucknow like CDRI, NBRI, IITR Lucknow, CIMAP, SGPGI, CISH, NBFGR, IISR, KGMU etc., Central Universities like University of Allahabad, Aligarh Muslim University, BBAU, Kashmir University, JNU and International Universities, that is, University of Hail, University of Split, Croatia, Bezmialem Vakif University, Turkey and University of Bonn, Germany. Various MOU's have also been signed with CISH Lucknow, CIMAP, Lucknow, IISR Lucknow, RMLIMS Lucknow, BRIATS Allahabad, AMU Aligarh, JMI New Delhi, Jamia Hamdard New Delhi, UNIMAS Malaysia, JNU New Delhi, Uzbekistan, Monroe USA for collaborating and facilitating inter institutional research and training. Inter-institutional Grants and research publications have been taken up to foster collaborative research.

### A brief on Seminar/ Conferences held by department at the National/International level.

#### Seminar on Avenues and Career Opportunities in Biotechnology and Allied areas

The seminar held on 08.06.2024 was designed on this rationale to steer students towards optimal career choices. This seminar featured insightful lectures by distinguished speakers, along with dynamic interactive sessions focused on career counselling and the enhancement of soft skills. It is necessary that students need a clear understanding of career objectives at an early age so that they can make the right decision for their future.

The seminar commenced with a warm welcome address by Dr. Imran Hussain, Assistant Professor, Department of Bioengineering. He briefed the audience about the importance of the career counselling-oriented seminar and expressed gratitude to the resource persons, Dr. Komal Chauhan, Associate Professor at Department of Food Sciences and Technology, NIFTEM, Sonipat, Haryana, India and Dr. Vidhu Sane, Chief Scientist, Molecular Biology and Biotechnology, CSIR-NBRI, Lucknow for dedicating their valuable time to this seminar.

The inaugural address was followed by an enlightening lecture from Dr. Komal Chauhan on "Avenues and Career Opportunities in Food Biotechnology". She gave elaborate information about the various domains and paths that can be followed up after graduation. She also highlighted the wide array of employment opportunities available across research, industrial, healthcare, and academic institutions. Dr. Komal also highlighted the various fellowships available and the strategies to crack competitive exams. Dr. Vidhu Sane emphasized that proficiency in language and the ability to communicate clearly are the key fundamentals to career advancement. Through engaging anecdotes and practical examples, she beautifully highlighted how strong communication skills can enhance interpersonal relationships, foster teamwork, and facilitate leadership.

Prof. Alvina Farooqui, Head of the Department of Bioengineering, proposed a comprehensive overview of the two sessions conducted by the invited speakers outlining various opportunities available in academia, research, and industry. She also informed the students about the developments of the Centre of incubation



Dr. Vidhu Sane deliberating upon the key fundamentals to career advancement

and Entrepreneurship development (CIED) at Integral University under the dynamic leadership of Dr. Nida Fatima.

### **International Conference on Trends and Innovations in Science and Engineering : Bridging the Industry-Academia Interface (TISE CON 2025)**

The International Conference on Trends and Innovations in Science and Engineering: Bridging the Industry-Academia Interface (TISE CON 2025) commenced on February 20, bringing together a distinguished assembly of researchers, industry leaders, and policymakers for a transformative three days event. Organized by the Department of Bioengineering, Faculty of Engineering & IT, and Integral Startups Foundation, in association with AFSTI Lucknow Chapter and the Indian National Young Academy of Sciences, New Delhi, the conference is hosted in collaboration with esteemed academic partners, including Bundelkhand University, Jhansi, M.P., India, and prestigious international institutions such as the Tashkent Institute of Chemical Technology, Uzbekistan; Institute of Microbiology, Republic of Uzbekistan; King Mongkut's Institute of Technology Ladkrabang (KMITL), Thailand; Al-Farabi Kazakh National University, Kazakhstan; and Hamad Medical Corporation, Qatar.

The event aims to bridge the gap between science, engineering, and society, fostering a multidisciplinary dialogue that drives innovation and collaboration. Under the theme "Innovation Across Disciplines and Borders: Fostering a Global Perspective to Build a Skilled Workforce for a Sustainable Tomorrow". The inaugural ceremony was graced by distinguished dignitaries, including leading academicians, industry stalwarts, and policymakers. Notable attendees included Prof. Syed Waseem Akhtar, Hon'ble Founder & Chancellor, Integral University, Lucknow; Padma Shri Prof. G.D. Yadav, Former Vice-Chancellor, ICT Mumbai; Prof. Syed Nadeem Akhtar, Hon'ble Pro Chancellor, Integral University, Lucknow; Prof. Anand Kumar Singh, Hon'ble Vice Chancellor, Chandra Shekhar Azad University of Agriculture and Technology, Kanpur, UP; Prof. Sunil K. Khare, Vice Chancellor, NSCBIHL Central Deemed University, Andaman & Nicobar and Director, IISER Kolkata; Dr. Zebo Babakhanova, Tashkent Institute of Chemical Technology, Uzbekistan; and CA Rishabh Kumar Sawansukha, CEO, Fruz India Private Limited.

Prof. Alvina Farooqui, Head, Department of Bioengineering and Organizing Chair of TISE CON 2025, delivered the welcome address, emphasizing the importance of bridging the industry academia gap, transforming innovative ideas into scalable solutions, and leveraging technology for societal betterment. She highlighted the significance of curiosity, creativity, and commitment (3Cs) in nurturing scientific excellence and holistic development.

Following this, Prof. Mohd. Haris Siddiqui, Registrar, Integral University, captivated the audience with a compelling narrative of the university's evolution from a humble educational institution to a globally recognized center for learning and research. A special biopic trailer on Hon'ble Founder & Chancellor Prof. Syed Waseem Akhtar was showcased, offering insights into the university's transformative journey. Dr. Nida Fatima, Executive Director of Integral Startups Foundation (ISF), introduced ISF as one of Uttar Pradesh's leading non-profit incubation centers, spotlighting its contributions to nurturing successful startups such as Kosh, NuttyVillage, and Pharmoxa Agri Services.

In his keynote address, Hon'ble Chancellor Prof. Syed Waseem Akhtar underscored the critical role of science and technology in societal progress, addressing both the potential and ethical challenges of Artificial Intelligence (AI). He emphasized the need for students to develop not only technical expertise but also moral integrity and a strong ethical foundation to lead responsibly in an increasingly digitalized world. With this inspiring message, he officially declared the conference open. The conference souvenir, featuring 250 abstracts from global contributors, was unveiled, followed by a felicitation ceremony in which dignitaries were honored with university mementos and handcrafted shawls made by ISF-incubated startup Kosh. TISE CON 2025 remained a pivotal platform for fostering innovation, collaboration, and sustainable solutions. A Total of 633 participants participated in TISECON 2025 out of which 59 participants were international. With a focus on real-world applications of scientific advancements, this conference is poised to leave a lasting impact on academia and industry, paving the way for a technologically empowered and globally connected future.



Release of Conference Souvenir by the delegates Prof. Syed Waseem Akhtar, felicitating Padma Shri Prof. G.D. Yadav

### A brief on University- Industry Linkages

On August 7, 2024, a significant step towards collaboration and partnership was taken when Integral University and NurtureLife formally signed a Memorandum of Understanding (MoU) at a ceremony held at Hall 1, Central Auditorium. The MoU aims to foster cooperation in the field of mental health, thereby creating a framework for both organizations to share resources and expertise. The event was attended by representatives from both organizations, including Prof. Alvina Farooqui (Head, Dept. of Bioengineering), Prof. Snober S. Mir (Head, Dept. of Biosciences), Dr. Mohammad Atif Siddiqui (Head, Dept. of Electrical Engineering & Chairperson, MoU Coordination Committee), and Ms. Farah Sarosh (CEO & Founder, NurtureLife NGO), highlighting the importance of this partnership within the community.

During the ceremony, Ms. Farah Sarosh, CEO & Founder of NurtureLife reiterated the Collaborative spirit of the MoU, expressing excitement about the potential projects that will arise from this alliance. Both organizations are poised to engage in joint initiatives and leverage combined strengths to address challenges. She emphasized upon the mutual benefits of the agreement, stating, "This MoU represents our commitment to promote the importance of mental well-being among students. We believe that by working together, we can achieve greater impact and promote social awareness to eradicate and overcome this social stigma."

### A brief on Specific Collaborative Arrangements.

The students of final year B.Tech and M.Tech undergo the six months dissertation in various institutes like CDRI, NBRI, IITR Lucknow, CIMAP, SGPGI, CISH, NBFGR, IISR, KGMU, CFTRI, IITs etc. The Inter Departmental Collaboration may also be included like with Pharmacy, Biosciences, Medical Biochemistry, Medical Microbiology, Agricultural Science & Technology, Environmental Sciences, etc. The Department of Bioengineering in collaboration with the International Society for Medical Food & Nutrition and King George's Medical University (KGMU), organized an International Seminar. The faculty members have research collaborations with scientist working in foreign universities as is evident by their joint publications such as Hail University, KSA, Interim Translational Research Institute, Hamad Medical Corporation, Doha, Qatar, Tashkent Chemical Technical Institute, Uzbekistan.

### A Brief on Community welfare/ Charitable activities undertaken during the year.

In collaboration with Integral University Social Service - IUSS (office of the Dean, Students' Welfare), BIG FM and Swapna Foundation, the Department of Bioengineering organized an Activity on Collection of old items for donation to celebrate DAAN UTSAV (Joy of Giving Week). This activity aimed to provide essential items to underprivileged families, supporting education, play, and basic necessities. The donation activity was started on October 3rd in which the students and staff of different departments of Integral University gifted old clothes, old toys and stationary items for the cause. The items were collected in a donation box that was easily available for donation. The event was coordinated by Ms. Gazia Nasir and Dr. Rahul Singh, Assistant Professor, Department of Bioengineering.

## Patents

### i. Granted

Dr. Iffat Zareen Ahmad: Nanoemulsion-based cosmeceutical products having UV-protective and anti-skin cancer properties, 2024, National patent (granted)

Dr. Iffat Zareen Ahmad: Cydonia oblonga Mill. seed extract and its nanoemulsion as anti-hepatocellular carcinoma agents 2024, National Patent (published)

### ii. Published

Dr. Imran Hussain, Smart breast cancer therapeutic device (National Patent)

Dr. Imran Hussain, Cancer cell transformation device (National Patent)

International- i) Granted ii) Published

## Number of Invited Lectures/Plenary Lectures organized by the Department.

S.No.	Expert Lecture/Counselling sessions Topic	Date	Name of Speaker
1.	Utilization of Food Waste for Enhanced Value Addition in Food Commodities	02-06-2025	Dr. P.K. Omre Renowned academician G.B. Pant University of Agriculture and Technology, Pantnagar
2.	Outcome Based Education and Outcome Based Accreditation: Need of Higher Education Institutions	21-04-2025	Prof. Asad U. Khan Distinguished academician and researcher Interdisciplinary Unit, Aligarh Muslim University (AMU)
3.	Extending Human Life Span: Reality or Myth	17-08-2024	Prof. Syed Ibrahim Rizvi Dean of Research & Development at the University of Allahabad
4.	Sensitization on Funding Opportunities and Proposal Writing for DBT	01-06-2024	Dr. Shahaj Uddin Ahmed, Scientist F, Department of Biotechnology (DBT), Government of India

## Number of Adjunct /Visiting Professor associated with the Department with their brief profile

One adjunct faculty, that is, Dr. Aamir Ahmad is currently associated with the Department. He is working as a Senior Research Scientist at Interim Translational Research Institute, Hamad Medical Corporation, Doha, Qatar. Before this, he was the Associate Scientist, at University of Alabama at Birmingham, USA and Assistant Professor of Oncologic Sciences at Mitchell Cancer Institute, University of South Alabama, USA and worked at other various research positions, since 2002. He has completed his Ph.D. from Aligarh Muslim University in the year 2002. He has been Ranked among the top 2% scientists for career-long citation impact as well as citation impact during the calendar year, data-update list based on data from Mendeley and Scopus, since 2020 and Ranked among the top 10 editors worldwide in Publons' global editor database and placed within top 1% of reviewers in Molecular Biology & Genetics, Clinical Medicine and Cross Field during the year 2018-2019. He is also a Member of Cancer Epigenetics Society, Vienna, Austria and Society of Hematologic Oncology, USA and various other Scientific Associations and has been an expert Reviewer of various Research Grant Proposals. Apart from that he has many Research Publications in several reputed international and national journals.

## International Visitors to the Department.

There were many International delegates in the Conference in addition to the adjunct Professor, Dr. Mohammad Amir.

**A mention that curricula developed and implemented have relevance to the local, regional, national and global developmental needs, and the courses having focus on employability/ entrepreneurship/ skill development.**

The curricula has been developed in such a way as to provide our students with quality education in different

areas and make them equipped for upcoming challenges in diverse field of science as Scientists, Academicians, Entrepreneur's, R & D officials in manufacturing and quality control, in analytical labs, in the field of agriculture, robotics and pharmaceutical companies, etc. Since Biotechnology and these allied branches are research oriented and rapidly growing field, the curricula is regularly modified and updated for making it more applicable to life processes and practical uses, such as manufacturing of medical devices and development of new bioscience procedures that have applications from pharmaceutical drugs to pacemakers, genetically engineered plants to gene therapy, antibiotics or therapeutics and vaccines, to name a few. The department has the well planned and documented process for development, revision and implementation of curriculum of all programs that passes through the Board of Studies, Faculty board and then Academic Council to strengthen the curricular and co-curricular activities. After the implementation of New Education Policy (NEP 2020), there is vast change in the evaluation scheme and course structure. The curriculum is designed carefully and aligned with sustainable development goals. They are now more towards skill development and employability. The combination of a dynamic and innovative curriculum along with the depth knowledge of research skills that comes in collaboration with well-equipped central government labs creates a fertile ground for the effective dissemination of knowledge and the development of the necessary skills for professional recognition at all the local, national and global levels in concerned fields for the benefit of mankind.

#### ICT enabled tools including online resources.

ILI-LMS platform is used for teaching and sharing resources both online and offline. The faculty members have developed good quality, latest e-content in the form of PDFs, PPTs and video lectures. Some of them have been uploaded on You tube and other social media platforms.

#### The Details of seed money provided to teachers for research.

Sl. No.	Title of Project	Name of the Principal Investigator	Amount sanctioned
1.	Bioactive compounds in Water Chestnut Peel: Extraction, Characterization, and Food Industry Applications	PI: Gazia Nasir Co PI: Prof. Alvina Farooqui	200000

#### Seminar on "Intellectual Property Rights (Ipr): An Overview"

On October 8, 2024, the Department of Bioengineering at Integral University, Lucknow, organized a one-day virtual seminar on "Intellectual Property Rights (IPR): An Overview." The seminar aimed to educate participants on patent filing procedures in India and abroad, along with other key aspects of IPR, to cater to their academic needs. The session was led by the esteemed guest speaker, Er. Ajayta Agarwal, Senior Scientist at the Innovation Protection Unit of the Council of Scientific and Industrial Research (CSIR). The event was attended by 43 participants, including teaching staff, lab staff, research scholars, and students from undergraduate and postgraduate programs.

The seminar commenced with a welcome address by Dr. Imran Hussain, Assistant Professor, who highlighted the importance of IPR and introduced Er. Agarwal. Dr. Hussain detailed her extensive experience in patent filing, examination, and prosecution, as well as her educational background in chemistry and polymer science. With over 15 years of expertise in patent filing, Er. Agarwal's insights brought great value to the discussion.

The seminar's primary focus was on the 'Patent Filing Procedure in India and Abroad.' Er. Agarwal explained the Indian patent system governed by the Indian Patent Act, 1970, emphasizing the requirements of novelty, inventive step, and industrial applicability. She elaborated on the filing process, which includes application submission, publication, examination, and granting of patents, with options for ordinary, convention, or PCT national phase applications. She also discussed international patent protection facilitated by treaties like the Patent Cooperation Treaty (PCT) and the Paris Convention, highlighting the differences in patent procedures,

timelines, and costs across jurisdictions. Er. Agarwal underscored the importance of aligning patent strategies with business goals for effective global filing.

The session concluded with an engaging Q&A segment, where participants actively interacted with the speaker on various aspects of IPR. Dr. Imran Hussain delivered the Vote of Thanks.

### **One Week Workshop on “Animal Cell Culture Techniques”**

A One Week Workshop on “Animal Cell Culture Techniques” was organized from 16th-21st December 2024, by the Department of Bioengineering, Integral University, Lucknow, as part of an initiative to bridge the skill gap in the field of bioengineering. This hands-on training aimed to provide comprehensive exposure to teaching staff, research scholars, project staff, and laboratory support personnel, enabling them to engage in skill development activity and gain a better understanding of animal cell culture techniques. The primary objective of the workshop was to impart practical skills that would enhance the participants research capabilities and professional development. The program featured a combination of lectures and practical sessions, addressing both academic and industrial aspects of biotechnology.

The workshop began with a lecture by Dr. Imran Hussain on the first day, introducing participants to the fundamentals of animal cell culture techniques, followed by practical sessions. On the second day, Dr. Hussain delivered a lecture on “Cell Counting and Cell Preservation Techniques,” which was also accompanied by hands-on training. Day 3 featured a session by Prof. Iffat Zareen Ahmad, who introduced the MTT assay for estimating live and dead cells. Day 4 focused exclusively on multiple practical sessions, providing participants with in-depth hands-on experience, and day 5 was fully dedicated to practical activities.

The workshop was effectively coordinated by Dr. Imran Hussain with support from Prof. Iffat Zareen Ahmad. Mr. Anees, a PhD scholar in the Department of Bioengineering, gives his contribution for the seamless execution of the practical modules. The event saw participation of 25 attendees and proved to be a significant success. It offered an enriching opportunity for participants to gain valuable insights and practical knowledge in animal cell culture techniques, making it a highly impactful and meaningful learning experience.

### **No. of students qualifying in state/national/international level examinations (eg: NET/SLET /GATE/GMAT/CAT/GRE/TOEFL/Civil Services/State Government Examinations).**

S. No.	Students Name	Course/Branch	Exam Qualified
1.	Harshita Aryan	B.Tech Biotechnology	GATE-BT
2.	Harshita Aryan	B.Tech Biotechnology	GATE-XL
3.	Mariyam Rafi	B.Tech Biotechnology	GATE-BT
4.	Mohammad Saqib Khan	B.Tech Biotechnology	GATE-BT
5.	Samriddhi Jaswani	M.Tech Biotechnology	GATE-BT
6.	Satyam Tiwari	M.Tech Biotechnology	GATE-BT
7.	Satyam Tiwari	M.Tech Biotechnology	GATE-XL
8.	Sheereen Samar	M.Tech Food Technology	UGC-JRF

**Number of awards/medals won by students for outstanding performance in sports/cultural activities at inter-university/state/national/international events.**

S. No.	Student Name	Enrollment No.	Branch	Award/Prize/Event Name
1.	Alima Firoz	2400100540	BT	2 <sup>nd</sup> Position in Escape the Rooms, Fiesta 2025, Integral University
2.	Asma Khatoon	2300103089	BT	2 <sup>nd</sup> Position in Qiraat, Integral University
3.	Atulya Shukla	2400101452	BT	2 <sup>nd</sup> Position in Escape the Rooms, Fiesta 2025, Integral University
4.	Atulya Shukla	2400101452	BT	2 <sup>nd</sup> Position in Hooman Ludo, Fiesta 2025, Integral University
5.	Daniya Kidwai	2300100277	BT	2 <sup>nd</sup> Position in Digital Poster, Fiesta 2025, Integral University
6.	Gaurav Yadav	2100063	PhD	1 <sup>st</sup> Position in Poster Presentation, TISECON 2025, Integral University
7.	Haram Sarfraz	1901057	PhD	2 <sup>nd</sup> Position in Oral Presentation, TISECON 2025, Integral University
8.	Insha Huzoor	2300102072	FT	2 <sup>nd</sup> Position in Poster Making, Mera Pehla Vote-Desh Ke liye, Integral University
9.	Mohd. Jasim Rana	2300100011	BT	1 <sup>st</sup> Position in Green Voices Open Mic, TISECON 2025, Integral University
10.	Mohd. Jasim Rana	2300100011	BT	2 <sup>nd</sup> Position in Eco Advocate Debate, TISECON 2025, Integral University
11.	Mantasha Zaidi	2400100427	BT	1 <sup>st</sup> Position in Logo Designing
12.	Mohd Kaif Khan	2400101573	BT	2 <sup>nd</sup> Position in Hooman Ludo, Fiesta 2025, Integral University
13.	Nisha Ali	2100102967	BT	2 <sup>nd</sup> Position in Poster Presentation, TISECON 2025, Integral University
14.	Saherish Wali	2300100424	BT	Basketball at BBD Annual Fest 2025, Integral University
15.	Saherish Wali	2300100424	BT	Basketball at GCRG 2025, Integral University
16.	Sajjad Ahmad	2400100390	BT	2 <sup>nd</sup> Position in Escape the Rooms, Fiesta 2025, Integral University
17.	Sajjad Ahmad	2400100390	BT	2 <sup>nd</sup> Position in Hooman Ludo, Fiesta 2025, Integral University
18.	Sidra Fatima	2300100551	FT	Novel Food Product Development, TISECON 2025, Integral University
19.	Suhail Ahmad	1801009	PhD	1 <sup>st</sup> Position in Oral Presentation, TISECON 2025, Integral University
20.	Zainab Siddiqui	2400104325	BT	STEM for HER scholarship, Integral University
21.	Mariyam Rafi	2100103274	BT	First position in Eco Advocate Debate Competition,, TISECON 2025, Integral University
22.	Mohd Amman	2200103335	FT	First position in Novel Food Product Development Competition, TISECON 2025, Integral University, 20-22 Feb 2025

### **A brief about two best practices successfully implemented by the department.**

#### **Title: Implementing a Journal Club for Research Scholars in our Department**

The objective of this best practice is to provide a platform for research scholars to present and discuss recent research articles in their relevant disciplines. The Journal Club aims to promote a culture of academic inquiry and critical thinking, and to foster a sense of community and collaboration among research scholars in our department. Research scholars are often immersed in their own research projects and may not have the opportunity to engage with current research in their field. A Journal Club provides a forum for research scholars to stay up to date with recent research, share their own research interests, and receive feedback from their peers.

#### **Title: Encouraging Undergraduate and Postgraduate Students to Publish Research and Review Articles**

The objective of this best practice is to encourage undergraduate and postgraduate students of our department to publish research and review articles in reputed journals. This practice aims to instill in students a passion for research and academic writing, and to help them develop skills that will serve them well in their future academic and professional careers.

### **A brief on students' progression and placements.**

During the 2024–2025 academic session, the Department graduated 90 students across B.Tech in Biotechnology, Food Technology, and Biomedical Engineering, and M.Tech in Biotechnology, Food Technology, and Bioinformatics. The department achieved near-total placement and progression rates, demonstrating graduates' high academic standards. Students secured employment in industries and healthcare institutions including Cipla, Nestle, DF Foods, Varun Beverages, SLMG Beverages, Viraj Ventures, Amira Exports, Britannia, Medanta Hospital, Chandan Hospital, Precision Hospital, KK Hospital, and ICON Hospital. These placements covered biotechnology, food and beverage industries, pharmaceuticals, clinical research, and hospital-based diagnostics. Several students were selected as research fellows at CSIR institutes for scientific research. Many graduates pursued higher education at institutions like NIFTEM, Jamia Millia Islamia, Aligarh Muslim University, MNIT, HBTU, BHU, JNU, and Jamia Hamdard University while some applied for admissions to international universities. The department provided guidance through career counseling, mentorship programs, and competitive examination preparation. Some students showed entrepreneurial interests and began establishing ventures in biotechnology, supported by Integral incubation and start-up resources. The Department of Bioengineering's students successfully transitioned into industry, research, higher education, and entrepreneurship, demonstrating the department's commitment to student development and career readiness.

### **A brief on start-ups incubated at CIED.**

Two of our alumni, Ms. Tuba Siddiqui and Mr. Faiz Siddiqui have been incubated at CIED. Tuba Siddiqui is the founder of Soil Concept which is an Organic, Eco-Friendly, Cruelty-Free Brand that is passionate about sustainability and respect for nature. Saif Siddiqui is the founder of Ahinsa Care which innovates & manufactures ecofriendly cleaning products that are plant based, nontoxic and completely safe for people as well as other life forms & ecosystem. Ms. Tuba Siddiqui was selected as one of the top 7 finalists in the TIE Women Lucknow Pitch competition 2024.

## DEPARTMENT OF CIVIL ENGINEERING

Prof. Sunil Kumar : Dean

Prof. Syed Aqeel Ahmad : HoD



**Photo 1: Sustainable Construction Materials and Green Technologies in Civil Engineering (SCMGTC-2024) sponsored by SERB on 22nd - 24th August 2025**

Department of Civil Engineering was established in 2003, since its inception many graduates and post graduates have been produced who are successfully executing their skills and knowledge in country's development. Department of Civil Engineering offers various degree programs i.e. Bachelors' of Technology in Civil Engineering, Masters of Technology in Structural, Environmental, Construction Management, Water Resources, Geotechnical engineering and also offers Doctoral Program. Department of Civil Engineering has continuously upgraded itself in terms of academic performance, research and infrastructure to become one of the prominent Departments in the University and in Lucknow. The Department of Civil Engineering at Integral University has made significant strides in bridging the gap between industry and academia, ensuring that students are well-prepared and employable in today's competitive job market. Offering comprehensive programs such as B.Tech., M.Tech., and Ph.D., the department is committed to academic excellence. A notable collaboration with L&T EduTech has led to the inception of an industry-led B.Tech program in Civil Engineering. This pioneering initiative is the first of its kind in the state, enabling students to receive training from India's leading construction company. Such partnerships reflect the department's dedication to providing industry-relevant education. The Department of Civil Engineering has faculty renowned for their academic prowess, comprising highly qualified professionals from prestigious institutions in India and abroad, including government colleges, AMU, SPA, NIT, IIT (Delhi & BHU), and Istanbul Technical University, Turkey. The department's commitment to quality is further exemplified by its NABL-accredited lab, making it the first in Uttar Pradesh and the tenth in India to achieve this distinction specifically for Civil Engineering testing. This accreditation underscores the department's leadership in maintaining high standards in technical education. The Department of Civil Engineering is also actively engaged in consultancy projects for both government and private sectors, showcasing its practical expertise and industry involvement. The department is empaneled as a consultant with the Uttar Pradesh Metro Rail Corporation (UPMRC), highlighting its significant contributions to infrastructure development. In collaboration with UltraTech Cement, the department has established the Centre of Excellence for Advanced Building Materials and Sustainable Development. This center emphasizes

cutting-edge research and sustainable practices in construction. Students at the Department of Civil Engineering benefit from hands-on experience with the latest Civil Engineering software used in the industry, such as STADD PRO, AUTO CAD, MS Project, Primavera, Open Roads, ETABS, REVIT, and BIM. Regular site visits are organized to provide industry exposure and practical insights. A considerable number of students have secured internships and training opportunities at reputed organizations such as the CSIR-Central Building Research Institute (CBRI), Roorkee, the CSIR-Central Road Research Institute (CRRRI), New Delhi, the Engineering Division of AMU, Aligarh, the Public Works Department, Lucknow, Shalimar Group, Lucknow, as well as major construction firms including L&T, Faizabad. Additionally, students pursuing M.Tech. in Geotechnical Engineering have been selected for training at premier institutes like NIT Calicut and NIT Srinagar, reflecting the department's strong academic and research orientation. In terms of higher education, several graduates have opted to advance their academic journey by enrolling in postgraduate programs in specialized fields such as Geotechnical and Structural Engineering at Integral University, Lucknow, further enhancing their professional and research competencies. Graduates from the Department of Civil Engineering are well-placed in prominent government and private sector organizations both in India and globally, including UP Irrigation, UP PWD, L&T, Unitech-IKK Abu Dhabi, Oman Tech UAE, Catalpa Group Australia, and P.J. Dick Incorporated Pennsylvania, USA. This track record of successful placements reflects the department's strong foundation in technical knowledge and research orientation. The Department of Civil Engineering has continued to demonstrate significant achievements in student progression, with graduates excelling in higher education, industry placements, and research-based internships at prestigious institutions across the country. In session 2024-25, the department has also witnessed commendable placement outcomes. Students have been recruited by reputed companies including RDC Concrete (India) Ltd., Quality Austria Central Asia, M/s Megha Engineering and Infrastructures Ltd., M/s Jakson Limited, and M/s Vagmine Enterprises, highlighting the strong industry connect and employability of the department's graduates. Overall, the progression of students from the Department of Civil Engineering underscores the balanced emphasis on academic excellence, research exposure, and industry readiness, ensuring that graduates are well-prepared for both higher education and professional careers in the civil engineering sector.

### Highlights of the major activities and achievements

Sr No	Activity	Title of activity	Collaborating Departments	From Date	To Date
1	Seminar	Emerging Trends in Road Construction - Full Depth Reclamation	Department of Civil Engineering, Integral University Lucknow	16/04/2025	16/04/2025
2	Workshop	Corporate Training on "Sustainable Materials" for 'UltraTech Cement Pvt. Ltd. Employees	Department of Civil Engineering, Integral University Lucknow	17/01/2025	17/01/2025
3	Workshop	HR Meet 2024	Department of Civil Engineering, Integral University Lucknow	12/11/2024	12/11/2024
4	STC	Artificial Intelligence for Civil Engineers - Concepts and Practices for Civil Engineers	Department of Civil Engineering, Integral University Lucknow	16/09/2024	20/09/2024
5	Seminar	Sustainable Construction Materials and Green Technologies in Civil Engineering (SCMGTC-2024) sponsored by SERB	Department of Civil Engineering, Integral University Lucknow	22/08/2024	24/08/2024
6	Seminar	Building Solutions Day	Department of Civil Engineering, Integral University Lucknow	08/08/2024	08/08/2024

Co & Extra Curricular Activities					
Sr No	Name of Events	Held at	No of participant	From Date	To Date
1	"Enviro Olympiad 5.0", A National Level Online Quiz	Integral University, Lucknow	98	05/06/2025	05/06/2025
2	World Water Day-2025	Integral University, Lucknow	98	10/04/2025	10/04/2025
3	Open Mic	Department of Civil Engineering, Integral University, Lucknow	71	24/01/2025	24/01/2025
4	Essay Writing Competition for Mission Shakti Abhiyan Phase 5	Integral University, Lucknow	20	28/10/2024	28/10/2024
5	Industrial Site Visit	M/s Ultratech Cement, Deva Road, Lucknow	32	18/09/2024	18/09/2024
6	Industrial Site Visit	Gordon Project of M/s MI Group	41	30/08/2024	30/08/2024

Participation in FDP						
Sr No	Activity	Title of activity	Organized by held at	From Date	To Date	Name of Faculty
1	FDP	Empowering Higher Education Institutions in Technology-enabled learning and Blended Learning	Commonwealth Educational Media Centre for Asis, New Delhi, the Association of Indian Universities, New Delhi, the Integral University, Lucknow and the Aryabhata Knowledge University, Bihar	07/04/2025	12/04/2025	Prof. Syed Aqeel Ahmad
2	FDP	Empowering Higher Education Institutions in Technology-enabled learning and Blended Learning	Commonwealth Educational Media Centre for Asis, New Delhi, the Association of Indian Universities, New Delhi, the Integral University, Lucknow and the Aryabhata Knowledge University, Bihar	07/04/2025	12/04/2025	Dr. Zishan Raza Khan

3	FDP	Industry 4.0 & Its Overview	Department of Mechanical Engineering, Integral University, Lucknow	24/02/2025	07/03/2025	Dr. Neha Mumtaz
4	FDP	Industry 4.0 & Its Overview	Department of Mechanical Engineering, Integral University, Lucknow	24/02/2025	07/03/2025	Dr. Tabish Izhar
5	FDP	08 Days Online NEP 2020 Orientation and Sensitization Programme	Department of Civil Engineering, Integral University & Human Resource Development Centre, Integral University	22/01/2025	30/01/2025	Dr. Neha Mumtaz
6	FDP	08 Days Online NEP 2020 Orientation and Sensitization Programme	Department of Civil Engineering, Integral University & Human Resource Development Centre, Integral University	22/01/2025	30/01/2025	Dr. Zishan Raza Khan
7	FDP	08 Days Online NEP 2020 Orientation and Sensitization Programme	Department of Civil Engineering, Integral University & Human Resource Development Centre, Integral University	22/01/2025	30/01/2025	Mr. Mohd Kashif Khan
8	FDP	08 Days Online NEP 2020 Orientation and Sensitization Programme	Department of Civil Engineering, Integral University & Human Resource Development Centre, Integral University	22/01/2025	30/01/2025	Dr. Mohd Sadat
9	FDP	08 Days Online NEP 2020 Orientation and Sensitization Programme	Department of Civil Engineering, Integral University & Human Resource Development Centre, Integral University	22/01/2025	30/01/2025	Mr. Mohd Asim
10	FDP	08 Days Online NEP 2020 Orientation and Sensitization Programme	Department of Civil Engineering, Integral University & Human Resource Development Centre, Integral University	22/01/2025	30/01/2025	Mr. Faraz Hasan Qadri
11	FDP	Holistic Disaster Management: Linking Resilient Infrastructure With Sustainability	National Institute of Technology, Calicut	20/01/2025	25/01/2025	Mr. Vikash Singh

12	FDP	Artificial Intelligence - Concepts and Practices for Civil Engineers	Department of Civil Engineering, Integral University, Lucknow	16/09/2024	20/09/2024	Dr. Neha Mumtaz
13	FDP	Artificial Intelligence - Concepts and Practices for Civil Engineers	Department of Civil Engineering, Integral University, Lucknow	16/09/2024	20/09/2024	Dr. Zishan Raza Khan
14	FDP	Artificial Intelligence - Concepts and Practices for Civil Engineers	Department of Civil Engineering, Integral University, Lucknow	16/09/2024	20/09/2024	Dr. Tabish Izhar
15	FDP	Artificial Intelligence-Concept and Practices for Civil Engineers	Department of Civil Engineering, Integral University, Lucknow	16/09/2024	20/09/2024	Mr. Faraz Hasan Qadri
16	FDP	Artificial Intelligence-Concept and Practices for Civil Engineers	Department of Civil Engineering, Integral University, Lucknow	16/09/2024	20/09/2024	Mr. Mohd Asim
17	FDP	Artificial Intelligence-Concept and Practices for Civil Engineers	Department of Civil Engineering, Integral University, Lucknow	16/09/2024	20/09/2024	Mr. Mohd Kashif Khan
18	FDP	Artificial Intelligence-Concept and Practices for Civil Engineers	Department of Civil Engineering, Integral University, Lucknow	16/09/2024	20/09/2024	Mr. Vikash Singh

### Programmes taken up involving Inter- Institutional Collaboration.

The Department of Civil Engineering actively engages in inter-institutional collaboration through student internships, research training, and industry-academia partnerships. Our students have secured opportunities at premier organizations such as CSIR-Central Building Research Institute (CBRI), Roorkee; CSIR-Central Road Research Institute (CRRI), New Delhi; NIT Calicut; NIT Srinagar; Engineering Division, AMU, Aligarh; and PWD, Lucknow, as well as reputed industries including L&T, Shalimar Group, RDC Concrete, Jakson Limited, and Megha Engineering. These collaborations facilitate knowledge sharing, research exposure, and professional training, thereby strengthening academic excellence and enhancing the employability of our graduates.

### A brief on Seminar/ Conferences held by department at the National/International level.

S.No.	Activity	Title of activity	From Date	To Date
1	Seminar	Emerging Trends in Road Construction - Full Depth Reclamation	16/04/2025	16/04/2025
2	Seminar	Sustainable Construction Materials and Green Technologies in Civil Engineering (SCMGTC-2024) sponsored by SERB	22/08/2024	24/08/2024
3	Seminar	Building Solutions Day	08/08/2024	08/08/2024

### A brief on University- Industry Linkages.

Integral University has established strong linkages with industry to bridge the gap between academic learning and real-world applications. These collaborations focus on curriculum enrichment, skill development, research, training, and placements, ensuring that students are industry-ready and aligned with evolving market demands.

The Department of Civil Engineering has taken pioneering steps in this direction through its collaboration with L&T EduTech, leading to the launch of an industry-led B. Tech. program in Civil Engineering—the first of its kind in the state. This initiative enables students to receive structured training from one of India's leading construction companies, enhancing their practical knowledge and employability.

In addition, the department works closely with industry partners such as UltraTech Cement, with whom it has established the Centre of Excellence for Advanced Building Materials and Sustainable Development. This center fosters innovation, sustainable construction practices, and applied research.

The department is also actively involved in consultancy projects with both government and private organizations. It is empaneled as a consultant with the Uttar Pradesh Metro Rail Corporation (UPMRC), highlighting its role in major infrastructure projects. Furthermore, students benefit from internships, training, and placements in reputed companies like RDC Concrete, Jakson Limited, Megha Engineering and Infrastructures Ltd., Vagmine Enterprises, and Quality Austria Central Asia.

These linkages not only provide students with hands-on experience and industry exposure but also facilitate joint research, knowledge sharing, and innovation, thereby strengthening the University's position as a hub of academic and professional excellence.

### A brief on Specific Collaborative Arrangements.

The Department of Civil Engineering at Integral University has established a number of meaningful collaborative arrangements with industry and research organizations to strengthen academics, research, and professional training.

↳ L&T EduTech Collaboration: Introduction of an industry-led B.Tech. program in Civil Engineering, the first of its kind in Uttar Pradesh, enabling students to be trained by one of India's leading construction companies.

↳ UltraTech Cement Partnership: Establishment of the Centre of Excellence for Advanced Building Materials and Sustainable Development, focusing on cutting-edge research, sustainable construction practices, and industry-relevant innovations.

**NABL Accreditation:** Recognition of the department's Civil Engineering laboratory as the first NABL-accredited lab in Uttar Pradesh and the tenth in India for Civil Engineering testing, strengthening its technical consultancy and research credibility.

**Empanelment with UPMRC:** Engagement as an official consultant with Uttar Pradesh Metro Rail Corporation (UPMRC) for infrastructure projects, showcasing expertise in applied engineering solutions.

**Research and Training Collaborations:** Student internships and research training at CSIR-Central Building Research Institute (CBRI), Roorkee; CSIR-Central Road Research Institute (CRRRI), New Delhi; NIT Calicut; NIT Srinagar; Engineering Division, AMU; PWD, Lucknow; Shalimar Group; and L&T, Faizabad, offering students practical exposure to advanced civil engineering practices.

These collaborative arrangements reinforce the department's mission to blend academic excellence with professional expertise, ensuring that students gain both theoretical knowledge and practical skills to excel in higher education, research, and industry.

### **A Brief on Community welfare/ Charitable activities undertaken during the year.**

The Department of Civil Engineering at Integral University actively engaged in various community welfare and outreach initiatives during the year, focusing on public awareness, social responsibility, and sustainable development.

A Digital Literacy Program was organized on 22nd May 2025 at Integral University to promote basic computer literacy and digital awareness among participants, empowering them to make effective use of technology in their daily lives.

On 29th January 2025, a Road Safety Pledge was conducted at the University campus, where students, faculty, and staff took an oath to follow traffic rules and promote safe driving practices, reflecting the department's commitment to public safety.

In addition, a Road Safety Awareness Program was held on 10th October 2024 along SH-77C near the University. This initiative aimed at sensitizing commuters and local residents about road discipline, accident prevention, and responsible mobility.

Further, on 24th July 2024, the department carried out an Awareness Program on the Revival and Recharge of Reusable Borewell Structures at Paikaramau, Behta, Kursi Road, Lucknow. The activity highlighted the importance of water conservation and sustainable groundwater management, demonstrating the department's dedication towards environmental and community welfare.

Through these initiatives, the department has not only contributed to raising awareness on critical social issues but also strengthened its role as a responsible academic institution working for the welfare of society.

**Patents- National -**      i. Granted TWO                      ii. Published

**-International-** i. Granted                                      ii. Published

### **Profile of Adjunct /Visiting Professor associated with the Department with his brief profile.**

#### **Dr. Sanjay Kumar Shukla**

**(Adjunct Professor, Department of Civil Engineering, Integral University, Lucknow)**

Dr. Sanjay Kumar Shukla is an eminent academician and globally renowned expert in Civil and Geotechnical Engineering, with special expertise in geosynthetics, ground improvement, foundation engineering, and sustainable infrastructure. A PhD from IIT Kanpur and a first-class graduate of BIT Sindri, he has over 28 years of teaching, research, consultancy, and industry experience. He is the Founding Editor-in-Chief of the International Journal of Geosynthetics and Ground Engineering (Springer Nature) and leads the Geotechnical and Geoenvironmental Engineering Research Group at Edith Cowan University, Australia. Author of 28 books

and 330+ technical publications, his analytical models and reinforcement techniques are widely applied in practice worldwide. Ranked among the world's top 0.5% scientists, he has delivered keynote lectures across 70+ countries and received prestigious awards, including the IGS Award (USA), ECU Aspire Award (Australia), and Distinguished Honour (2024) by the Consulate General of India, Perth. A Chartered Professional Engineer and Fellow of leading engineering societies, Dr. Shukla continues to shape geotechnical engineering research and practice globally.

### Consultancy Assignments handled. Corporate Training.

Revenue Generated through consultancy in session 2024-25 is 14 Lakhs,

Corporate Training Detail is as follows:

Corporate Training			
Session	Name of Faculty	Topic of Corporate training	Date
2024-25	Dr. Zishan Raza Khan and Mr. Vikash Singh	Corporate training conducted on "Sustainable Materials" for 'UltraTech Cement Pvt. Ltd. Employees	17 Jan2025
2024-25	Dr. Tabish Izhar	Corporate Training on "Innovative Approaches to Sustainable and Efficient Concrete Practices" for 'UltraTech Cement Pvt. Ltd. Employees'	23 May 2025

**ICT enabled tools including online resources for effective teaching and learning processes are used.**

In addition to chalk and talk method of teaching, the faculty members are using the IT enabled learning tools such as PPT, Video clippings, Audio system, online sources, to expose the students for advanced knowledge and practical learning.

**Number of workshops/seminars conducted on Research methodology, Intellectual Property Rights (IPR), entrepreneurship, skill development.**

Sr No	Activity	Title Of Activity	Collaborating Departments/	From Date	To Date
1	Seminar	Emerging Trends in Road Construction - Full Depth Reclamation	Department of Civil Engineering, Integral University Lucknow	16/04/2025	16/04/2025

2	Workshop	Corporate Training on "Sustainable Materials" for 'UltraTech Cement Pvt. Ltd. Employees	Department of Civil Engineering, Integral University Lucknow	17/01/2025	17/01/2025
3	Workshop	HR Meet 2024	Department of Civil Engineering, Integral University Lucknow	12/11/2024	12/11/2024
4	STC	Artificial Intelligence for Civil Engineers - Concepts and Practices for Civil Engineers	Department of Civil Engineering, Integral University Lucknow	16/09/2024	20/09/2024
5	Seminar	Sustainable Construction Materials and Green Technologies in Civil Engineering (SCMGTC-2024) sponsored by SERB	Department of Civil Engineering, Integral University Lucknow	22/08/2024	24/08/2024
6	Seminar	Building Solutions Day	Department of Civil Engineering, Integral University Lucknow	08/08/2024	08/08/2024

#### GUEST/ EXPERT LECTURE (ORGANIZED)

Sr No	Topic	Name	Date	Details of the Resource Person
1	Alumni Interaction Session	Mr. Rohan Kumar	07/03/2025	Mr. Rohan Kumar, Engineer at Bombay Site, L&T a premium construction company.
2	Career Counselling for Higher Studies	Ms. Shagun Arora	13/01/2025	Ms. Shagun Arora, Assistant Recruitment Adviser, Manchester Metropolitan University
3	Intellectual Property Rights	Dr. Deep Kumar Gupta	20/11/2024	Dr. Deep Kumar Gupta, Ex Engineer-In-Chief, Uttar Pradesh Irrigation Department.
4	Quality Assurance in Construction	Er. Ashraf Hussain	20/11/2024	Er. Ashraf Hussain, Sr. Quality Control Engineer, a distinguished professional from Uttar Pradesh Metro Rail Corporation (General Consultant).
5	Concrete Mix Design	Mr. Sunil Sharma	14/11/2024	Mr. Sunil Sharma, Plant Head of the Ready Mix Concrete Division at UltraTech Cement
6	Role of Civil Engineers at Construction Site	Mr. Mohit Yadav	30/09/2024	Mr. Mohit Yadav, Faculty Member at the State Institute of Rural Development (SIRD)

7	Opportunities and Challenges in Civil Engineering	Er. Hemant Jain	28/08/2024	Er. Hemant Jain, Assistant General Manager at CMO, Mumbai, UltraTech Cement Ltd.
8	Rooftop Rainwater Harvesting System	Er. Alok Kumar Sinha	23/07/2024	Er. Alok Kumar Sinha, Chief Engineer, Irrigation Department, Government of Uttar Pradesh

**Extension activities in the neighborhood community in terms of impact and sensitizing students to social issues and holistic development.**

EXTENSION ACTIVITY					
Sr No	Name of activity	Held at	Resource Persons/Collaborating Agencies	Form Date	To Date
1	Digital Literacy Program	Integral University, Lucknow	Department of Civil Engineering	2025-05-22	2025-05-22
2	Road Safety Pledge	Integral University, Lucknow	Department of Civil Engineering	2025-01-29	2025-01-29
3	Road Safety Awareness Program on SH-77C	Integral University, Lucknow	Department of Civil Engineering	2024-10-10	2024-10-10
4	Awareness Program on Revival and Recharge of Reusable Borewell Structures	Paikaramau, Behta, Kursi Road, Lucknow	Department of Civil Engineering	2024-07-24	2024-07-24

**A brief on students progression and placements.**

S.No	Student's Name	Enrolment No.	Program	Host Institution for internship/Training
1	Abdul Nabi	1800101962	M.Tech.-(Civil Engineering)-Geotechnical Engineering	CSIR-CBRI, Roorkee
2	Arshad Hameed	1800102125	M.Tech.-(Civil Engineering)-Geotechnical Engineering	CSIR-CBRI, Roorkee
3	Manubolu Monica Sree	2400104061	M.Tech.-(Civil Engineering)-Geotechnical Engineering	NIT, Calicut
4	Shahbaz Ahmad Mir	2400103193	M.Tech.-(Civil Engineering)-Geotechnical Engineering	NIT Srinagar

S.No	Student's Name	Enrolment No.	Higher Education Course	Institution
1	Nabeel Ahmad	1900101871	M.Tech Geotechnical Engineering	Integral University, Lucknow
2	Shoeb Akhtar	2100101350	M.Tech Structural Engineering	Integral University, Lucknow
3	Mohammad Abid Raza Kazmi	2100101123	M.Tech Structural Engineering	Integral University, Lucknow

S.No	Student's Name	Enrolment No.	Annual Package	Company
1	Aman Siddiqui	2100100634	4.6 Lac	RDC Concrete (India) Ltd.
2	Md Faiz Ansari	2100100096	3 Lac	Quality Austria Central Asia
3	Mohammed Hassan	2100102837	3 Lac	M/s Megha Engineering And Infrastructures Ltd
4	Mohd Arsalan Khan	2100101177	3 Lac	M/s Megha Engineering And Infrastructures Ltd
5	Ijaj Ahmad	2200101133	5 Lac	M/s Jakson Limited
6	Mohd Iqbal	2100101751	3 Lac	M/s Megha Engineering And Infrastructures Ltd
7	Hafizurrahman	2000100105	5 Lac	M/s Jakson Limited
8	Irshad Alam	1900100713	3 Lac	M/s Vagmine Enterprises
9	Muhammad Aariz Siddiqui	2100104069	3 Lac	M/s Megha Engineering And Infrastructures Ltd
10	Syed Saif Razi	2200100968	3 Lac	M/s Megha Engineering And Infrastructures Ltd

Enrollment No	Student Name	Organization
2100103847	Md Adnan Parwez	CSIR-Central Building Research Institute (CBRI), Roorkee, Uttarakhand
2200101972	Arish Ali	CSIR-Central Building Research Institute (CBRI), Roorkee, Uttarakhand
2200100644	Imran Siddiqui	CSIR-Central Building Research Institute (CBRI), Roorkee, Uttarakhand
2200103388	Mohammad Aamir Khan	CSIR-Central Building Research Institute (CBRI), Roorkee, Uttarakhand
2200100635	Mohammad Taqi	CSIR-Central Road Research Institute (CRRI), New Delhi
2200100824	Mohd Atif	CSIR-Central Building Research Institute (CBRI), Roorkee, Uttarakhand
2200102364	Mohd Hammad	Engineering Division, AMU, Aligarh
2200103378	Syed Azlan Abbas	CSIR-Central Road Research Institute (CRRI), New Delhi
2200101169	Uttkarsh Uddyan	CSIR-Central Building Research Institute (CBRI), Roorkee, Uttarakhand
2200100970	Zaid Ahmad Ansari	CSIR-Central Building Research Institute (CBRI), Roorkee, Uttarakhand
2300101555	Md Yusuf Noor	CSIR-Central Building Research Institute (CBRI), Roorkee, Uttarakhand
2000100340	Mohd Niyaz	CSIR-Central Building Research Institute (CBRI), Roorkee, Uttarakhand
2100101259	Rizwan Khan	CSIR-Central Building Research Institute (CBRI), Roorkee, Uttarakhand

1900102363	Shilpi Verma	PWD, Lucknow
2300102336	Syed Mohammad Mudassir Jafri	Shalimar Group, Lucknow
2300105470	Arish Pervaiz	CSIR-Central Building Research Institute (CBRI), Roorkee, Uttarakhand

Enrollment No	Student Name	Organization
2300104810	Faraz Ahmad	L&T, Faizabad
2300100963	Hannan Ansari	L&T, Faizabad
2000101831	Himanshu Gour	CSIR-Central Building Research Institute (CBRI), Roorkee, Uttarakhand

### MoU inked with National /International Academic and Research Institutions/Industries/NGOs.

Sr No	Session	Details of Collaboration/ Achievements	Date
1	2024-25	Guest Lecture by Mr. Mr. Sunil Sharma, Plant Head of the Ready Mix Concrete Division, UltraTech Cement on "Concrete Mix Design"	14 Nov 2024
2	2024-25	Alumni Interaction session with Mr. Rohan Kumar, Engineer, Bombay Site, L & T	07 March 2025
3	2024-25	Corporate training conducted on "Sustainable Materials" for 'UltraTech Cement Pvt. Ltd. Employees by Dr. Zishan Raza Khan and Mr. Vikash Singh	17 Jan 2025
4	2024-25	Integral University in collaboration with UltraTech organized a three day conference on "Sustainable Construction Materials and Green Technologies in Civil Engineering (SCMGTC-2024)" sponsored by SERB	22 to 24 Aug 2024
5.	2024-25	Corporate Training on "Innovative Approaches to Sustainable and Efficient Concrete Practices" for 'UltraTech Cement Pvt. Ltd. Employees' Organized by the Department of Civil Engineering, Integral University (Resource Person: Mr. Tabish Izhar	23 May 2025

## DEPARTMENT OF COMPUTER APPLICATION

**Prof. Sunil Kumar** : Dean

**Prof. (Dr.) Mohammad Faisal** : HoD

The Department of Computer Application, established in 2003, aims to deliver exceptional education in the field of Computer Application. Over the years, the department's dedication to community service has nurtured numerous IT professionals. The department aspires to develop technical expertise and cultivate qualified personnel in information technology and related fields.

Currently, the Department offers a Doctoral Research Programme, a two-year Master of Computer Application (MCA) postgraduate programme, and a three-year Bachelor of Computer Application (BCA) undergraduate programme. The department's infrastructure, advanced curricula, and knowledgeable staff who actively engage in various research and development activities, have seen significant improvement over time. Aligned with these objectives, the department prioritizes outstanding research and high-quality teaching.

The department continues to uphold a tradition of excellence and innovation in research, teaching, and service, fostering a dynamic community of faculty, graduate students, and undergraduate students who are poised to make a meaningful impact on the world.

### Highlights of the major activities and achievements

S. No.	Event Type	Date	Topic	Speaker/Mentor/ Judge/Other Resources/ Platform/Place	Event Coordinator
1.	Conference	30-07-2024 to 31-07-2024	International Conference on Advances in Science, Engineering and Technology (ICASET - 2024)	Dr. Mehmat Ali Silgu, Dr. Mohammad Siddique, Mr. Vijay Misra , Dr. Muhammad Irfan , Dr. Anu Sayal  Dr. Balaji Rao K, Dr. Suman Lata Tripathi	Prof. Mohammad Faisal, Dr. Tasneem Ahmed, Dr. Shrish Bajpai, and Dr. Farooq Ahmad
2	Guest Lecture/ Expert Talk	04-09-2024	Navigating the Cloudscape: Unveiling Deployment Models and Services.	Dr. Hemant Kumar Singh (Professor and Dean of Engineering, School of Management Sciences, Lucknow.)	Dr. Anwar Bari and Mrs Farha Zia
3		01-10-2024	Data Science	Mr. Ashwini Jain, Founder & CEO of NextGen Horizons	Dr. Tasneem Ahmad (Convener) and Faizan Mahmood (Coordinator)
4		03-10-2024	WE, AI and WORLD	Mr. Prashant Malviya, Consultant TCS, Lucknow	Dr. Anwar Bari, Mr. Motashim Rasool, and Mr. Sarafaraz Alam
5		22-10-2024	Cyber Security and Scams	Mr. R. K. Gupta and Mr. Jaydeep Vidyarthi.	Mr. Faizan Mahmood, Dr. Abida Khanam,
6		24-10-2024	Roadmap to become a full Stack developer	Mr. Rohit Kumar (Chief Technology Officer , Softpro Group of Companies).	Mr. Faizan Mahmood, and Dr. Ghazanfar Beg
7		21-01-2025	Enhance your Cyber Security	Mr. Akash Shrivastava, Founder and Director, Spidervella Technologies Pvt Ltd, Bangalore	Mr. Faizan Mahmood and Mr. Shubham Kumar
8		29-01-2025	Navigating through Career Challenges in the Current Market Scenario	Mr. Anil Tripathi, Senior Vice President, Expertrons	Dr. Anwar Bari

9		28-02-2025	Digital Ethics	Prof. (Dr.) Shish Ahmad, Head, Department of Computer Science and Engineering, Integral University, Lucknow	Mrs. Fareen and Mr. Imtiyazul Haq
10	Workshop	13-08-2024	Cyber Security and Ethical Hacking	Mr. Aditya Dubey	Mr. Shubham Kumar
11		03-09-2024	The Cyber Resilience	Nitin Pandey Cyber Peace Foundation, Mr. Parth Awasthi And Sandeep Verma Director & CEO of Encoderspro	Mr. Shubham Kumar, Mr Vishal Agarwal
12		28-01-2025 to 30-01-2025	3-Day Workshop on MERN Stack Development	Er. Awanish K Sharma(Technical Expert) And Ms.Sadiya Anjum(MD)	Mr. Shubham Kumar, Mr. Rizwan Akhtar
13		10-04-2025 to 11-04-2025	Mastering on GitHub	Mr. Hifzurrahman	Mr. Hifzurrahman, Mr. Motasim Rasool
14	Value Added Course	30-09-2024 to 31-10-2024	Data Structure using Advanced C Programming	Ms. Fiza Afreen, Ms. Nadiya Parveen, Ms. Fareen	Dr. Farooq Ahmad , Mr. Faizan Mahmood
15	Quiz	09-10-2024	MindQuest	-	Dr. Shweta Dwivedi, Mr. Shubham Kumar
16		08-03-2025	Gender Equity under theme Gender Sensitization and Legal Awareness	-	Dr.Mohd Suhaib Kidwai, Mr. Qazi Saeed Ahmad, Mr. Safikur Rahman khan, Mr Sumit Yadav
17		10-03-2025	IPR Awareness In Academic Institution	-	Dr Mohd. Amir Ansari, Mr.Vishal Agarwal
18	Event	27-02-2025	Byte Battle Escape Capture The Flag {3.O}	-	Mr Shubham Kumar, Mr. Faizan Mahmood, and Dr. Virendra Singh
19.	Extension Activity	12-11-2024 And 17-04-2025	Cyber Frauds Awareness Activity Under the Digital Saksharta Abhiyaan	-	Dr.Suhaib Kidwai ,Mr.Qazi Saeed Ahmad, Mr. Safikur Rahman Khan, Mr.Sumit Yadav
20.	Promotion of Gender equity	11-11-2024	Essay Writing Competition and Online Quiz on Gender Equity under theme DigitALL: Innovation and technology	-	Dr.Suhaib Kidwai, Mr.Qazi Saeed Ahmad, Mr. Safikur rahman Khan, Mr.Sumit Yadav
21		08-03-2025	Quiz on Gender Equity under theme "Gender Sensitization and Legal Awareness"	-	Dr.Suhaib Kidwai, Mr.Qazi Saeed Ahmad, Mr. Safikur rahman Khan, Mr.Sumit Yadav

22	Communal Harmony	3/10/2025	Essay Writing Competition on the topic "Importance of Communal Harmony for Growth of Nation"	-	Dr.Suhaib Kidwai, Mr.Qazi Saeed Ahmad, Mr. Saifur rahman Khan, Mr.Sumit Yadav
23	Industrial Visit	05-02-2025	Industrial Visit for MCA & BCA Final Year Students		Dr. Mirza Ghazanfer Beg, Mr. Faizan Mahmood, and Mrs. Fareen

### Workshop on "Cyber Security and Ethical Hacking"

On 13th August 2024, organized a workshop on "Cyber Security and Ethical Hacking"

#### Key Highlights:

Mr. Aditya Dubey, cyber security expert, conducted the session, sharing insights on current cyber threats and ethical hacking practices.

The workshop included practical demonstrations, enhancing students' understanding of real-world cyber security applications.

The session equipped students with essential knowledge and skills to address challenges in the evolving digital security landscape.

The session witnessed enthusiastic participation from over 170 students of BCA, MCA, and B.Tech programs.



### Workshop on "The Cyber Resilience"

Successfully organized a workshop titled "The Cyber Resilience" in collaboration with Warlock Cyber Security on 3rd September 2024.

#### Key Highlights:

Mr. Nitin Pandey (Cyber Peace Foundation) delivered an insightful session on digital forensics and cyber crimes, demonstrating autopsy tools and discussing real-world investigative techniques.

Mr. Parth Awasthi (EncodersPro) led a hands-on session on VAPT and Advanced Persistent Threats (APT), helping students understand system vulnerabilities and attacker strategies.

Mr. Sandeep Verma (CEO, EncodersPro) explained reverse engineering, OSINT, and malware analysis, with practical examples on identifying and handling malicious software.

The interactive and demonstration-based approach of the workshop made it highly engaging, equipping students with essential cybersecurity concepts and skills.

The event received an overwhelming response with 1209 registrations and 778 active participants.



### Three-Day Workshop on MERN Stack Development

Successfully conducted a three-day workshop on MERN Stack Development from 28th to 30th January 2025. The event saw enthusiastic participation from over 250 students, aiming to enhance their skills in modern web development technologies using MongoDB, Express.js, React.js, and Node.js.

#### Key Highlights:

Day 1: Focused on backend development, covering MongoDB, Node.js, Express.js, CRUD operations, and setting up a basic MERN project.

Day 2: Covered frontend development using React.js, integration with backend, state management, and user authentication with JWT.

Day 3: Included an online assessment and prize distribution, recognizing the top three performers for their outstanding work.

The workshop offered hands-on experience and practical insights, enabling students to confidently develop full-stack web applications.



### Online Workshop: "Mastering GitHub: A Hands-on Workshop"

Successfully conducted a two-day online workshop titled "Mastering GitHub: A Hands-on Workshop" on April 10-11, 2025. The primary goal of the workshop was to equip students with practical skills in using Git and GitHub, focusing on version control, collaborative development, and efficient source code management. The session was led by Mr. Hifzurrahman, Assistant Professor, and was attended by enthusiastic BCA and MCA students.

#### Key Highlights:

- ▮ The workshop focused on hands-on training in Git and GitHub, emphasizing version control and collaborative coding practices.
- ▮ Mr. Hifzurrahman, Assistant Professor, served as the resource person, demonstrating real-time workflows and Git commands.
- ▮ Students learned to set up GitHub repositories, create branches, commit changes, merge code, and handle conflicts effectively.
- ▮ The session included practical demonstrations such as cloning repositories, initializing Git directories, and reverting to previous versions.

### Value-Added Course (CAV-24-02): "Data Structure using Advanced C Programming"

Organized a four-week online Value-Added Course (CAV-24-02) titled "Data Structure using Advanced C Programming" from September 30 to November 12, 2024. The course was open to students across all branches of the university. With a focus on enhancing programming skills and data structure concepts, the course aimed to strengthen students' technical foundation and prepare them for future industry demands.

#### Key Highlights:

- ▮ The course was conducted online using the ILI platform.
- ▮ A total of 462 students from various branches of the university registered for the course.
- ▮ 96 students successfully completed the course and received e-Certificates based on attendance, assignment submission, quiz performance, and feedback.
- ▮ The course included 30 hours of active engagement spread over four weeks (1 hour/day, Monday to Thursday).
- ▮ Course content covered core programming topics: pointers, strings, memory management, arrays, linked lists, stacks, queues, trees, searching, and sorting algorithms.
- ▮ The training emphasized hands-on coding, critical thinking, and problem-solving.
- ▮ The course aimed to provide students with technical exposure aligned with industry practices, improving both analytical and practical skills.
- ▮ The course concluded with an online quiz and course feedback through Google Classroom, followed by e-certificate distribution.

### QUIZ: "MINDQUEST"

Organized a two-day event titled "MINDQUEST" under the banner of the Career and Professional Development Committee. This aptitude-based competition was designed to assess and enhance students' analytical thinking, logical reasoning, and technical proficiency. The event fostered a spirit of healthy competition and encouraged students to apply their knowledge in a dynamic and stimulating environment.

#### Key Highlights:

- ▮ Total 275 students registered for the event.

Module 1 tested numerical ability, logical reasoning, quantitative aptitude, and verbal skills with 195 participants.

Module 2 featured output-based technical assessments for 24 finalists, focusing on core concepts and problem-solving skills.

The event created an engaging and competitive atmosphere, promoting both academic and professional development.

Participation and merit certificates were awarded to encourage and recognize student involvement and performance.

### QUIZ: Gender Equity under theme Gender Sensitization and Legal Awareness

To promote the constitutional value of the Right to Equality, particularly in the context of gender sensitivity and legal awareness, the Department organized a quiz competition on March 8, 2025. The event aligned with the Government of India's initiative to foster equal treatment by engaging Gender Champions in educational institutions and aimed to raise awareness among students about gender equality and related legal rights.

#### Key Highlights:

- A total of 65 students participated in the quiz on "Gender Sensitization and Legal Awareness", featuring 20 multiple choice questions with a 30-minute time limit.
- E-certificates were awarded to the top three winners, promoting awareness and encouraging active student engagement on gender equality issues.



### Online Quiz Competition: "IPR Awareness in Academic Institutions"

To promote awareness and understanding of Intellectual Property Rights (IPR) within the academic community, an online quiz competition was successfully organized on March 10, 2025. The event aimed to educate students, faculty members, and research scholars from various disciplines about the significance of IPR, including patents, copyrights, trademarks, and their vital role in fostering innovation, research integrity, and academic growth.

#### Key Highlights:

- 76 participants from various disciplines took part in a 60-minute online quiz comprising 30 MCQs on key IPR concepts, legal frameworks, and case studies.
- The event promoted awareness of Intellectual Property Rights in academia and witnessed enthusiastic participation from students, faculty, and research scholars.
- E-certificates were awarded to the top three winners,



### Event: Byte Battle Escape CTF{3.0}

Conducted the Byte Battle Escape CTF {3.0} on February 27, 2025,. The initiative also involved outreach visits to other universities, promoting knowledge-sharing and building a broader cybersecurity learning community.

#### Key Highlights:

- ✦ Inter-university outreach was conducted by Integral students to institutions like BBDU, BBAU, RMU, Maharishi University, and Lucknow University to demonstrate CTF techniques.
- ✦ The CTF competition featured challenges in Cryptography, Web Security, Network Exploitation, Reverse Engineering, and Forensics, offering students real-world problem-solving experience.
- ✦ Cash prizes were awarded: 5000 (1st), 3000 (2nd), and 2000 (3rd), along with winner shields.
- ✦ Students were honored with appreciation letters for their exceptional contributions to the project.
- ✦ The event promoted continuous learning with additional resources via the official YouTube playlist: "CTF 3.0 Capture The Flag - YouTube".
- ✦ The event received enthusiastic participation from multiple universities, fostering collaborative learning, cyber security awareness, and technical excellence.

### Promotion of Gender equity : Essay Writing Competition and Online Quiz on Gender Equity under theme DigitALL: Innovation and technology

To promote the Right to Equality and support the Government of India's initiative of appointing Gender Champions in educational institutions, the Department organized an Essay Writing and Online Quiz Competition on November 11, 2024,

#### Key Highlights:

- The competition attracted registrations from various courses including B.Tech, B.Pharm, BBA, BCA, BMT, M.Sc., B.Sc, and LLB.
- A total of 71 participants actively took part in the essay writing competition.
- Essay Topic: "DigitALL: Innovation and Technology", with a word limit of 500 words and a time duration of 60 minutes.

- The event aimed to enhance students' thinking and writing skills, promoting digital inclusion and gender equality through technology.
- All participants were awarded certificates of participation as a token of appreciation for their enthusiastic involvement.

### **Promotion of Gender equity : Quiz on Gender Equity under theme "Gender Sensitization and Legal Awareness"**

In alignment with the Right to Equality, one of the six fundamental rights enshrined in the Indian Constitution, and to promote gender sensitivity and legal awareness, the Department organized a Quiz Competition on March 8, 2025. The event supported the Government of India's initiative of engaging Gender Champions to foster equal treatment in educational institutions.

#### **Key Highlights**

- A total of 65 students from various courses participated enthusiastically in the quiz based on the theme "Gender Sensitization and Legal Awareness", which included 20 multiple-choice questions to be answered in 30 minutes.
- The event aimed to promote gender equality and legal awareness among students, aligning with the Government of India's initiative of engaging Gender Champions; e-certificates were awarded to the top three winners as a token of recognition.

### **Communal Harmony: Essay Writing Competition on the topic "Importance of Communal Harmony for Growth of Nation"**

The Department organized an Essay Writing Competition on the topic "Importance of Communal Harmony for Growth of Nation" on 10th March 2025. The initiative aimed to cultivate awareness among students about the crucial role that communal harmony plays in fostering national unity and sustainable development. Open to all departments, the event encouraged inclusive participation, emphasizing the department's commitment to academic enrichment and social responsibility.

#### **Key Highlights**

- A total of 55 students from various courses participated in the competition, which followed a formal essay writing style, held from 11:15 AM onwards with a duration of 1 hour.
- The event promoted themes of unity in diversity, peaceful coexistence, and mutual respect, with e-certificates awarded to the top three winners for their outstanding essays.

### **Extension Activity: Cyber Frauds Awareness under Digital Saksharta Abhiyaan (12/11/2024)**

To support the government's initiative in promoting digital literacy and combating cyber fraud, the Department organized an extension activity on Cyber Frauds Awareness at Government Girls Inter College, Behta, Kursi Road—one of the university's adopted villages. The initiative aimed to spread awareness among students and the local community about cyber security, online threats, and safe digital practices.

#### **Key Highlights:**

- Conducted under the Digital Saksharta Abhiyaan, the session included an awareness talk on cyber frauds and cyber security.
- Faculty members led the activity, supported by BCA and MCA students.
- BCA students gave informative talks on types of cyber frauds and preventive measures.
- Real-life case studies were discussed to make the session more relatable and impactful.
- The activity witnessed enthusiastic participation and was successfully coordinated by the faculty members involved.

### **Extension Activity: Cyber Frauds Awareness under Digital Saksharta Abhiyaan (17/04/2025)**

In support of the Digital Saksharta Abhiyaan and the Government of India's initiative to raise awareness about cyber frauds, the Department, organized an impactful Cyber Fraud Awareness extension activity on 17th April 2025 at Government Basic School, Basaha, the university's adopted village in Bakshi Ka Talab Block, Lucknow. The session aimed to educate school students and teachers on common cyber threats, safety practices, and

ethical digital behavior, contributing to the vision of a digitally secure society.

### Key Highlights:

- The activity was part of the Digital Saksharta Abhiyaan, focusing on cyber security and fraud awareness.
- BCA students conducted interactive sessions covering types of cybercrimes such as phishing, identity theft, and online scams.
- The sessions emphasized safe digital practices, including password security, app permissions, and responsible internet usage.
- Students and teachers of the Government Basic School actively participated and engaged in discussions, promoting community-level learning.
- The event encouraged ethical behavior in digital spaces and highlighted the importance of cyber hygiene in everyday life.

### International Conference on Advances in Science, Engineering and Technology (ICASET-2024) Dates: 30-31 July 2024 | Sponsored by: Uttar Pradesh Council of Science & Technology (UPCST)

The Department organized the International Conference on Advances in Science, Engineering and Technology (ICASET-2024) from 30th to 31st July 2024. The event served as a vibrant platform for academicians, researchers, and industry professionals from across India and abroad to share cutting-edge research, technological innovations, and interdisciplinary knowledge. Sponsored by the Uttar Pradesh Council of Science & Technology (UPCST), the conference aimed to promote collaborative research, foster dialogue on emerging challenges, and bridge the gap between academia and industry. The conference witnessed over 130 participants and 102 technical paper presentations across 16 parallel sessions, supported by keynote addresses, invited talks, and special sessions by national and international experts.

### Key Highlights -

Day 1 (30th July 2024)

#### Inaugural Ceremony:

Graced by eminent dignitaries including Dr. Syed Nadeem Akhtar (Hon'ble Pro-Chancellor), Mr. Syed Firoj Adil Naqvi (Chief Guest, NIC), Prof. Karm Veer Arya (ABV-IIITM, Gwalior), and Prof. Balasubramanian Raman (IIT Roorkee). Key institutional leaders including Prof. Abdul Azeez Kadar Hamsa (Dean, Engineering & IT), and Prof. Aqil Ahmad (Advisor to Chancellor) delivered compelling welcome and institutional vision addresses.

#### Special Guest & Keynote Talks:

- Prof. Balasubramanian Raman spoke on AI, Quantum Computing, and Video Analytics.
- Prof. Karm Veer Arya emphasized technology's evolving role in academia and industry.
- Mr. Syed Firoj Adil Naqvi provided insights on ICT infrastructure development and national innovation.
- Dr. Syed Nadeem Akhtar focused on Machine Learning and global tech integration.

#### Technical Sessions:

- **Keynote: Dr. Mehmet Ali Silgu (Bartın University, Turkey) on AI in Traffic Engineering.**

- **Invited Talks:**

Dr. Mohammad Siddique (Majan University, Oman) – Deep Learning for Change Detection.

Mr. Vijay Mishra (IBM, USA) – Data Lakehouse Evolution and AI Integration.

#### Valedictory Ceremony:

##### Attended by key dignitaries including:

- Chief Guest: Dr. Sanjay M. Tarade, IPS (Director General, Telecom – UP Police) – emphasized tech in law enforcement, cyber security, and AI integration in public safety.
- Prof. Mohd Haris Siddiqui (Registrar), Prof. Abdul Rahman Khan (Controller of Examinations), and Prof. Syed Aqeel Ahmad (HRDC Director) shared institutional reflections and praised the academic spirit of the event.

### Event Summary and Acknowledgment:

- Dr. Tasneem Ahmed (Convener) presented the conference report.
- Dr. Farooq Ahmad (Organizing Secretary) delivered the vote of thanks.
- The event was seamlessly coordinated by Prof. Mohammad Faisal (Organizing Chair) and anchored by Dr. Afreen Khan.

### Conclusion:

ICASET-2024 successfully brought together a diverse community of scholars and professionals to discuss global trends, promote research, and build networks. The conference exemplified Integral University's commitment to academic excellence, innovation, and interdisciplinary collaboration.



**Patents :** The details of patents are as follows

S. No.	Patent	National/ International	Granted	Published	Name of Faculty
1.	Sensor-Based Wireless Earbuds with Noise Cancellation: A New Era of Audio	International Patent	Granted	-	Dr. Bably Dolly, Dr. Prasanna Jeyanthi Marimuthu, Ms. Supriya Suresh,
2.	Data Processing Device For 5G Communication	National Patent	-	Published	Dr. Asif Kha, Dr. Mohd Faizan, Dr. Ausaf Ahmad, Mr. Safikur Rahman Khan, Dr. Tabrez Khan, Dr. Mohd. Waris Khan, Dr. Mohammed Aslam Husain
3.	A Machine Learning-Driven Wearable Sensor Monitoring and Classification based Personalised Healthcare System	National Patent	-	Published	Vishal Agarwal
4.	Sensor-Based Robotic Display For Interactive Marketing	International Patent	Granted	-	Dr. Amardeep Gupta, Dr. Bably Dolly, Dr. Sunil Babu
5.	Automated Device for Early Detection of Tomato Disease	National Patent	Granted	-	Dr. Tasneem Ahmed, Prof. Mohammad Faisal, Dr. Halima Sadia
6.	Block Chain-Based Framework Optimized with Genetic Algorithms for Secure Electronic Health Records	National Patent	-	Published	Dr. Abida Khanam, Dr. Mohammad Faizan Farooqui

7	IoT Based Video Surveillance for Smart Healthcare	National Patent	-	Published	Eram Fatima Siddiqui, HR Gantla, N Khan, Dr. Arshad Ali
8	AI-Based Rover For Pesticides Spaying	National Patent	-	Published	Dr. Farooq Ahmad, Dr. Ajay Pratap, Dr. Sanjay Kumar
9	AI-Enhanced Cloud Security Dashboard Device	National Patent	-	Published	Dr. Arvind Kumar Singh, Dr. Farooq Ahmad, Dr. Babbly
10	Dynamic Resource Allocation in Cloud Computing using Reinforcement Learning	National Patent	-	Published	Prof. Saurabh Pal, Dr. Shantanu Shahi, Dr. Ajay, Dr. Farooq Ahmad Dr. Bably Dolly
11	Unified Predictive Epidemic Model: Integrating Unsupervised and Supervised Learning Methods	National Patent	-	Published	Dr. M. G. Beg, Prof. M. Faisal, Prof. S. K. Nayak, Dr. Syed Adnan Afaq, Dr. Waris Khan
12	Method and System for Dynamic IoT Network Configuration Using Machine Learning Algorithms	National Patent	-	Published	Prof. Debraj Chatterjee, Mr. Himanshu Gautam, Dr. Sudhanshu Tripathi, Dr. Shweta Dwivedi, Paras Nath Singh, Mohammad Faisal
13	Integrated Cloud - Based System for Educational Resource Management and Delivery	National Patent	-	Published	Mr. Motashim Rasool, Dr. R. Sugunthakunthalambigai.

### Number of Invited Lectures/Plenary Lectures organized by the Department.

S.No	Date	Topic	Speaker/Mentor/Judge/Other Resources/Platform/place	Event Coordinator
1	04-09-2024	Navigating the Cloudscape: Unveiling Deployment Models and Services.	Dr. Hemant Kumar Singh (Professor and Dean of Engineering, School of Management Sciences, Lucknow.)	Dr. Anwar Bari and Mrs Farha Zia
2	01-10-2024	Data Science	Mr. Ashwini Jain, Founder & CEO of NextGen Horizons	Dr. Tasneem Ahmad (Convener) and Faizan Mahmood (Coordinator)
3	03-10-2024	WE, AI and WORLD	Mr. Prashant Malviya, Consultant TCS, Lucknow	Dr. Anwar Bari, Mr. Motashim Rasool, and Mr. Sarafaraz Alam
4	22-10-2024	Cyber Security and Scams	Mr. R. K. Gupta and Mr. Jaydeep Vidyarthi.	Mr. Faizan Mahmood, Dr. Abida Khanam,
5	24-10-2024	Roadmap to become a full Stack developer	Mr. Rohit Kumar (Chief Technology Officer, Softpro Group of Companies).	Mr. Faizan Mahmood, and Dr. Ghazanfar Beg
6	21-01-2025	Enhance your Cyber Security	Mr. Akash Shrivastava, Founder and Director, Spidervella Technologies Pvt Ltd, Bangalore	Mr. Faizan Mahmood and Mr. Shubham Kumar
7	29-01-2025	Navigating through Career Challenges in the Current Market Scenario	Mr. Anil Tripathi, Senior Vice President, Expertrons	Dr. Anwar Bari
8	28-02-2025	Digital Ethics	Prof. (Dr.) Shish Ahmad, Head, Department of Computer Science and Engineering, Integral University, Lucknow	Mrs. Fareen and Mr. Imtiyazul Haq

### Expert Lecture/Guest Lecture on "Navigating the Cloudscape: Unveiling Deployment Models and Services"

On September 4, 2024, the Department of Computer Application, under the DQAC, organized a guest lecture in Hall-3, Central Auditorium, Integral University, Lucknow. Dr. Hemant Kumar Singh, Professor and Dean of Engineering at the School of Management Sciences, delivered an insightful talk titled "Navigating the Cloudscape: Unveiling Deployment Models and Services."

### **Guest Lecture/Expert Lecture on Data Science in association with IEEE Young Professionals, Uttar Pradesh Section**

This knowledgeable presentation offered insightful information from professionals in the field, raising students' awareness of how to learn data science more effectively. Mr. Ashwini Jain, Chief Executive Officer of NextGen Horizons, was the subject-matter expert who delivered the lecture online at 6 p.m. on October 1, 2024.

### **Expert Lecture on "WE, AI and WORLD: Discover Your Career Path"**

On October 3, 2024, organized a guest lecture titled "We, AI and World: Discover Your Career Path" in Central Auditorium Hall 1. Mr. Prashant Malviya, an alumnus of the Indian Institute of Management (IIM) and an AI Consultant at Tata Consultancy Services, Lucknow, was the esteemed speaker. With over 16 years of industry experience, Mr. Malviya shared his insights on the growing impact of Artificial Intelligence and guided students on aligning their career paths with the rapidly evolving digital landscape.

### **Guest Lecture/Expert Lecture on "Cyber Security and Scams" to observe Cyber Security Awareness Month**

The Department successfully hosted an offline Expert Talk session on "Cyber Security and Scams" on October 22, 2024, in observance of October being National Cyber Security Awareness Month (NCSAM). The resource persons were Mr. Jaydeep Vidyarthi and Mr. R. K. Gupta, CEO of Invisor Technologies, who shared their experience at the event.

### **Guest Lecture on "Roadmap To Become A Full Stack Developer"**

An expert talk on "Roadmap to Become a Full Stack Developer" was successfully organized by the Department in collaboration with Softpro Technologies Pvt. Ltd., Lucknow, on October 24, 2024. Mr. Rohit Kumar, CTO of Softpro Group of Companies, served as the resource person. With over 11 years of experience in the IT industry, Mr. Kumar brought valuable insights and practical guidance to the session.

### **Expert Talk on "Enhance Your Cyber Security"**

The Department in collaboration with Spidervella Technologies Pvt. Ltd., Lucknow, organized an expert talk on 21 January 2025 at Hall-2, Main Auditorium (Library Building). The session aimed to create awareness about growing cyber threats and educate students on how to protect themselves from such attacks. The resource person was Mr. Akash Shrivastava, Founder and Director of Spidervella Technologies Pvt. Ltd., a renowned cyber security expert with international experience.

### **Expert Talk on "Navigating Through Career Challenges in the Current Market Scenario"**

The Department Placement Committee of the Department of Computer Application, Integral University, in association with Expertrons and under the aegis of DQAC, successfully organized an expert talk on 29th January 2025. The session was led by Mr. Anil Tripathi, Senior Vice President at Expertrons, who shared his rich experience of over 35 years in leadership, training, and professional development.

### **Expert Talk on "Digital Ethics"**

The Department successfully organized an expert talk on "Digital Ethics" under the UGC Life Skills (Jeevan Kaushal) program, focusing on the core theme of Communication Skills. The event took place on February 28th, 2025, at 2:00 P.M. in the CSE Seminar Hall, Block B. The talk aimed to raise awareness about ethical concerns in the digital world, including privacy, security, fairness, and accountability.

### **Curricula Developed and Implemented**

The department employs a comprehensive feedback mechanism to enhance the quality of the curriculum and ensure its continuous improvement. This mechanism involves stakeholders at all levels—including students, faculty, employers, industry experts, academicians, and alumni—making it highly relevant to developmental

needs at the local, regional, national, and global levels.

ICT-enabled tools such as PowerPoint presentations, video clips, Google Classroom/Meet, and various online resources including YouTube channels and educational websites(LMS)are effectively utilized to enhance the teaching and learning process.

### The Details of seed money provided to teachers for research.

S. No.	Project Title	Name of Faculty
1.	AI-driven framework for building recovery resilience in severe mental illness through social determinants across urban and rural settings	Dr. Afreen Khan

**Number of JRFs, SRFs, Post-Doctoral Fellows, Research Associates and other research fellows enrolled during the reporting year. Number of Ph.D. awarded and Number of students enrolled in Ph.D. Programme.**

Awarded - 11

Enrolled - 16

**Number of workshops/seminars conducted on Research methodology, Intellectual Property Rights (IPR), entrepreneurship, skill development.**

Workshop on Skill Development- TWO

Date	Topic	Speaker/Mentor/Judge/Other Resources/Platform/place	Event Coordinator
28-01-2025 to 30 -01-2025	3-Day Workshop on MERN Stack Development	Er. Awanish K Sharma(Technical Expert) And Ms.Sadiya Anjum(MD)	Mr. Shubham Kumar, Mr. Rizwan Akhtar
10-04-2025 to 11 -04-2025	Mastering on GitHub	Mr. Hifzurrahman	Mr. Hifzurrahman, Mr. Motasim Rasool

### Three-Day Workshop on MERN Stack Development



### Extension activities in the neighborhood community in terms of impact and sensitizing students to social issues and holistic development.

Activity	Date	Topic	Event Coordinator
Extension Activity	12-11-2024 And 17-04-2025	Cyber Frauds Awareness Activity Under The digital Saksharta Abhiyaan	Dr.Suhaib Kidwai, Mr.Qazi Saeed Ahmad, Mr. Safikur Rahman Khan, Mr.Sumit Yadav

### Number of awards received by department, its teachers and students from Government/Government recognized bodies, National & International Agencies in recognition of the extension activities.

S. No.	Project Title	Name of Government Body	Name of Faculty
1.	Design and Development of power grid Stability pipeline machine mechanism to make Pradhan Mantri Surya Ghar: Muft Bijli Yojana initiative more versatile	National- UPCST(Uttar Pradesh Council of Science and Technology)	Dr. Asif Khan

### A brief on students progression and placements.

A combined number of 40 students pursuing MCA and 23 students pursuing BCA were successfully placed in various internal and external placement initiatives. Regarding the advancement of higher education, it has been observed that a significant number of students from BCA have pursued further studies. In contrast, the compilation process for the record of MCA students is still ongoing.

### A brief on start-ups incubated at CIED.

S. No	Name of Founder	Program/Year	Start Up Name	Details	Award
1	Arafat Alam Khan	MCA - Ex- Student	Dark Elafi	Dark Elafi Perfume Company is a distinguished and innovative fragrance brand that excels in creating captivating scents that evoke emotions and captivate the senses. Established with a vision to redefine luxury perfumes, Dark Elafi embraces the artistry and intricacies of perfumery, resulting in a collection that embodies sophistication, allure, and uniqueness.	Student Startup Award 2024
2	Mohd Maaz Shama Jamal (Co Founder)	MCA 2 <sup>nd</sup> Year BCA 2 <sup>nd</sup> Year	Eco Moto	Eco Moto Vision Eco Moto envisions a future where transportation is accessible sustainable, environmentally friendly. By focusing on and electric vehicles, the aims to reduce carbon emissions and promote cleaner air quality in urban areas. through a mobile application	Awarded 1 <sup>st</sup> Place at InnovWave 2025 for tech Innovation.

# DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

**Prof. Sunil Kumar** : Dean  
**Dr. Shish Ahmed** : HoD



The Department of Computer Science & Engineering was established in September 1998. It has made significant progress since its inception. The Department currently offers 10 UG, PG and PhD programs. The Computer labs in the department are well equipped with state-of-the art hardware and software. The laboratories are based on advanced operating systems such as Windows and Linux. All laboratories, staff Rooms and offices are fully networked and connected to The Internet. The teaching staff are actively involved in Research and Development activities in the emerging areas of Computer Science & Engineering. Faculty members of the Department of Computer Science & Engineering are highly qualified, educated from reputed institutes, dedicated and dynamic. Currently research is being carried out in the areas of Software Engineering and Cloud Computing, Computer Networks and security, Digital Image Processing, Soft Computing, Big data and AI.

## Highlights of the major activities and achievements

- NBA Accreditation Achievement: The B.Tech CSE program has been accredited by the National Board of Accreditation (NBA) for academic years 2025–26, 2026–27, and 2027–28.

## MoU Signing - Integral University, ETrain Education & HCLTech

- On May 14, 2025, Integral University signed an MoU with ETrain Education Pvt. Ltd., in academic collaboration with HCL Tech Career Shaper, to launch a B. Tech CSE (AI & ML specialization) program. The MoU was signed by Prof. Javed Musarrat, Hon'ble Vice Chancellor, and Mr. Gaurav Kapoor, MD, ETrain Education, in the presence of Mr. Ganesh Venkatraman, GM, HCL Technologies.
- The ceremony was graced by Hon'ble Pro-Chancellor Dr. Syed Nadeem Akhtar, with key attendees including Prof. Furqan Qamar, Prof. Abdul Azeez Qadar Hamsa, Prof. Shish Ahmad, Dr. Mohd. Atif Siddiqui, Mrs. Kavita Agrawal, and Dr. Mohd. Akbar. From the industry, Mr. Rahul Bedi, Mr. Sagar Verma (ETrain), and Mrs. Priyanka Singh (HCL) were also present. This collaboration aims to enhance student skills through industry-driven learning, aligned with Digital India, Skill India, and NEP 2020.

## Cleanliness Award Recognition:

Department of Computer Science & Engineering was awarded as the second cleanest department of the university. This achievement reflects our dedication not only to academic excellence but also to campus sustainability and hygiene.



**CodeCraft Championship 2024:** Held from July to October 2024, culminating in a grand finale.

The CodeCraft Championship, organized by the Code Club in collaboration with the Departmental Placement Committee, was held from July 21 to October 7, 2024. The event featured six online rounds followed by a grand offline finale at the Central Auditorium (Hall-2).

The event was coordinated under the leadership of Ms. Roshan Jahan (Convener), with strong support from the organizing team and student volunteers. Their efforts ensured smooth execution and a high-quality participant experience.

**InnovWave: The Pitch Deck:** The Departmental Placement Committee, organized InnovWave: The Pitch Deck, a Tech & Startup Pitch Competition, on February 19, 2025, at the CSE Seminar Hall.

Participants pitched startup ideas, showcased prototypes, and received valuable feedback from an expert judging panel comprising Mohd Faizan Khan, and Mr. Amrit Gurung. The competition concluded with awards for the most impactful ideas.

**Cyber Security Seminar 2025:** The Cyber-Ops Club, Department of CSE, in collaboration with D.R.D Security, organized the Cyber Security Seminar 2025 on February 28 at the CSE Seminar Hall.

The seminar featured a keynote by Mr. Abdul Masood, Founder of D.R.D Security, and hands-on demos on ethical hacking, phishing, DoS attacks, and more. Over 150 participants attended the session.

**AI with MATLAB Workshop:** The Departmental Technical Committee, Department of CSE, in collaboration with DesignTech Systems Pvt. Ltd., organized a hands-on workshop on "AI with MATLAB Software" on March 4, 2025, at LT-6, Academic Block-B.

**Workshop on Curriculum Design, OBE & Higher-Order Thinking Skills:** The Department Technical Committee, Department of CSE, organized a three-day workshop on Curriculum Design, Outcome-Based Education (OBE), and Higher-Order Thinking Skills from March 10 to 12, 2025.

The workshop, inaugurated by Prof. Dr. Abdul Azeez, Dean, Faculty of Engineering, focused on enhancing faculty understanding of OBE principles, complex engineering problems, Bloom's Taxonomy, and Course Outcome (CO) writing. Sessions were conducted by Ms. Kavita Agrawal, Dr. Halima Sadia, and Ms. Saleha Mariyam, and featured interactive discussions, practical activities, and a concluding quiz to assess learning.

**Faculty Lecture Series:** The Department of Computer Science & Engineering organized a Faculty Lecture Series from May 9 to 14, 2025, aimed at fostering peer learning, enhancing teaching practices, and encouraging academic collaboration.

**A total of 32 faculty and staff members participated, delivering sessions on trending topics such as:**

- Artificial General Intelligence and Quantum Computing
- Machine Learning for Anomaly Detection
- Cybersecurity in IoT and Cloud Environments
- Full Stack Frontend Development
- Blockchain and Brain-Computer Interfaces

The series was well-received and contributed to strengthening research culture, interdisciplinary learning, and awareness of emerging technologies within the department.

#### **Expert Talk - Bridging Theory and Practice:**

On August 14, 2024, the Department Placement Committee of Computer Science & Engineering, in collaboration with the Departmental Alumni Committee, organized an expert lecture titled "Bridging Theory and Practice: Fundamentals of Computer Science in Industry." The session was conducted by Mr. Junaid Anwar, B.Tech (CSE) alumnus and System Engineer at TCS. Junaid shared his academic journey, project experiences, and interview tips, encouraging students to actively participate in coding platforms like Hackathon, HackerRank, Codeforces, and LeetCode. Over 200 students attended and found the session highly inspiring. The event concluded with a token of appreciation to the speaker.

## DEPARTMENT OF ELECTRICAL ENGINEERING

**Prof. Sunil Kumar** : Dean

**Dr. Mohammad Atif Siddiqui** : HoD



The Department of Electrical Engineering was established in the year 2011. Presently, Department offers B.Tech, M.Tech and Ph.D. Programmes. The department is committed to advancement of knowledge in Electrical Engineering and to provide the students with experience needed for industry. The vision of the department is to provide the leadership quality in students and help them to tackle the problems faced by our nation in the field of Electrical Engineering. Presently, the department has 10 well equipped labs with latest facilities. The Undergraduate curriculum provides strong base to the students for exposure to the latest technologies. The Postgraduate programme leads the students to work on latest research problems in the areas of specialization such as Control Engineering, Power System, Solar Energy, Renewable Energy, DC Micro grid and Converters. Specializations in PG course have been initiated in 2017 on Power System Engineering. The department is currently engaged in research in many areas including Renewable Energy, Power Electronics, Power Systems, and Biomedical Imaging etc. Collaborative research with other premier institutions is going on in the department.

The Department has both young and experienced dedicated faculty members. Apart from teaching and research, the faculties are actively involved in organizing technical workshops, expert lectures, seminars, technical events, conferences, STC, FDP and industrial visits in order to create an environment conducive to experiential learning. The curriculum is designed such that the practical courses in each semester are related to the theory courses so that the students could be imparted with in hand training of the electrical apparatus and thereby improving their confidence level. The curriculum offering theoretical and laboratory courses reflects

the expertise of faculty members of the department. The department is interested in providing industry skills and thus it started skill development programs for the UG students in collaboration with the industry. Moreover, the department facilitates UG students to avail four week industrial training. The hardware based projects and industrial projects have been given more priority over software based projects. The department presently has experienced faculty from reputed educational institutions and is in the process to accelerate the collaborative activities with industries and foreign institutions in coming year.

### **Highlights of the major activities and achievements**

Dr. Mohd Atif Siddique has presented a research article "Control of Cart Inverted Pendulum System Using Model Matching in Cascade Control Architecture" in IECON 50th Annual Conference of the IEEE Industrial Electronics Society, Chicago, United States of America, November 3-6, 2024

The Department organised an expert lecture on "Optimal Control of a Class of Fractional Order System" on November 21, 2024. The Distinguished Expert was Dr. Tirumalasetty Chiranjeevi, Assistant Professor, Department of Electrical Engineering, Rajkiya Engineering College, Sonbhadra.

The Department in collaboration with Department of Mechanical Engineering and Green Tree Global, under the guidance of UPNEDA, EMC Cell and GIZ Germany organized a National Level Workshop on 29/01/2025 at Integral University, Lucknow on "Training on Industrial Energy Efficiency and Decarbonization using Virtual Reality Based Digi-Twin Training Simulators".

The students from the Department visited ISRO in a National Space Day Program on 8th August 2024.

The Department on 8th October 2024, in collaboration with Integral University Social Service (IUSS), 94.3 BIG FM, and Swapna Foundation, organized an Awareness Rally on Climate Degradation as part of the DAAN UTSAV (Joy of Giving Week) celebrations.

The Department organized a seminar on the theme "Driving Sustainable & Green Energy Innovation with Advanced Software and Technical Documentation Tools" on November 20th, 2024.

A Short term course for faculty members, research scholars and supporting staff is jointly organized by NITTTT Chandigarh, HRDC Integral University, Lucknow and Department of Electrical Engineering on topic "Mentoring Skills for Effective Curriculum Implementation" from 03rd to 7th March 2025.

The Department organized a speech competition on the theme "My Favourite Leader or Freedom Fighter" on 23 Aug '24. The GD was held on "Gender Equity" on 29 April '25, Poem Recitation on "Safety and Respect of Women and Girl Child" was held on 26 Oct '24.

The department organized two value-added courses on "EEV24-01 Solar Power Systems," supervised by Dr. Akhlaque Ahmad Khan, and "EEV24-02 Networking Using CISCO Packet Tracer," supervised by Dr. M. Alam.

The department organized painting activity on the theme Environment and climate change on 3rd Aug 2024 under the aegis of SIP Deeksharambh.

### **A brief on Research projects being undertaken by the department.**

Dr. Mohammad Atif Siddiqui (PI) and Dr. Mohammed Asim (CO-PI) completed a seed grant of Rs 2.5 lacs for their project "Design of Transformer Less Photovoltaic Grid-Connected Inverter".

Dr. Mohammad Atif Siddiqui (PI) and Akhlaque Ahmad Khan (Co-PI), Health Monitoring, Performance, Optimization and Cost Evaluations Framework for 91-kW Rooftop Grid-Connected SPV System. Integral University, Lucknow. Sanctioned Amount: 1.5 Lacs.

Dr. Asif Khan (PI) and Mohammad Atif Siddiqui (CO-PI) received a seed grant of Rs 1.10 lacs for their project "Design and implementation of an AI-Enhanced Mental Health Tool for academic stress".

### **Programmes taken up involving Inter- Institutional Collaboration.**

Research scholars are pursuing PhD under guidance of faculty members from Jazan University, AMU, MMMUT Gorakhpur, Netaji Subhas University of Technology, Delhi, NIT Srinagar, Tezpur University, Rajkiy Engg College Ambedkar Nagar, GITM Lucknow, Rajkiy Engg College Sonbhadra. Guru Nanak Institute of Technology

Haydrabad, HBTI Kanpur, UPES Dehradun, UTM Malaysia, University of Maroua, Cameroon, Institute of Material Engg Hungary.

### **A brief on Seminar/ Conferences held by departments at the National/International level. Cctes add detail**

2nd IEEE International Conference on Computational & Characterization Techniques in Engineering & Science (CCTES 2024) was jointly organized by Department of Electrical Engineering and Department of Electronics and Communication Engineering, Integral University, Lucknow, during November 15th-16th, 2024. This significant International Conference aimed to unite researchers, engineers, and industry professionals to discuss advancements in computational and characterization methods across various engineering disciplines. A total of 1,208 manuscripts were received, with 302 accepted. Of these, 259 papers were presented across various tracks, both offline and online.



### **A brief on Specific Collaborative Arrangements.**

To operate, maintain and innovate drone systems a MoU is with berry avionics, Mr. Raihan Ahmad successfully completed DGCA approved Pilot certificate course under MoU with berry avionics. The department research scholars/ faculty members with faculty members of the institute having Mous jointly also worked together to develop cutting edge technologies.

### **A Brief on Community welfare/ Charitable activities undertaken during the year. Technical Literacy Drive in Rural Schools-**

The Department Organized an Extension Activity on "Educational Awareness and Counselling" on 24 April, 2025. A team of N.S.S. volunteers, comprising B.Tech Electrical Engineering students, along with faculty coordinators Dr. M. M. Shadab, Dr. M. Khursheed and faculty member Professor M.A. Mallick participated in this outreach initiative.

### **Number of Invited Lectures/Plenary Lectures organized by the Department.**

A guest lecture was organised on the topic "Optimal Control of a Class of Fractional Order Systems" by Dr. Tirumalasetty Chiranjeevi, Deptt. of Electrical Engg. Rajkiya Engineering College, Sonbhadra dated 21-11-2024

The curricula developed and implemented by the Department is designed to align with the evolving developmental needs at the local, regional, national, and global levels. The course structure is continually reviewed and updated to incorporate emerging trends, industry demands, and policy frameworks such as the National Education Policy (NEP) and the Sustainable Development Goals (SDGs).

### **The Curricula**

A strong emphasis is laid on enhancing employability, fostering entrepreneurial capabilities, and promoting skill development through the integration of practical learning modules, project-based assignments, industrial training, and value-added certification courses. Specialized electives and industry-linked programs equip students with relevant technical and soft skills, thereby enabling them to contribute meaningfully to the workforce or pursue their own entrepreneurial ventures.

#### **10. ICT Enabled Tools**

To enhance the teaching-learning process, the institution extensively utilizes ICT-enabled tools and online resources. Classrooms are equipped with multimedia projectors and internet connectivity, facilitating the use of digital content, presentations, and simulations. Faculty members employ platforms such as Google Classroom, Microsoft Teams, Moodle, and other Learning Management Systems (LMS) to share learning materials, conduct quizzes, provide feedback, and manage academic activities.

Additionally, online resources like NPTEL, SWAYAM, Coursera, and virtual labs are encouraged to be taken by students with access to high-quality learning content, interactive experiments, and global perspectives, thereby ensuring an engaging, flexible, and outcome-oriented learning environment.

### **The Details of seed money provided to teachers for research.**

- Dr. Mohammad Atif Siddiqui (PI) and Akhlaque Ahmad Khan (Co-PI), Health Monitoring, Performance, Optimization and Cost Evaluations Framework for 91-kW Rooftop Grid-Connected SPV System. Integral University, Lucknow. Sanctioned Amount: 1.5 Lacs.
- Dr. Asif Khan (PI) and Mohammad Atif Siddiqui (CO-PI) received a seed grant of Rs 1.10 lacs for their project "Design and implementation of an AI-Enhanced Mental Health Tool for academic stress".

### **Extension Activities**

Extension activities in the neighborhood community in terms of impact and sensitizing students to social issues and holistic development.

The Department Organized an Extension Activity on "Digital Literacy Awareness Program" on 18th October 2024. The initiative was coordinated by Dr. Mohammed Asim, Associate Professor, Electrical Engineering Department along with Mr. Abdul Waheed, Lab Supervisor, Electrical Engineering Department.

# DEPARTMENT OF ELECTRONICS & COMMUNICATIONS ENGINEERING

Prof. Sunil Kumar : Dean

Prof. (Dr.) S. Hasan Saeed : HoD



The Department of Electronics & Communication is an integral part of the Integral University. It produces graduates, post-graduates, and researchers of excellent caliber. The well-equipped laboratories form the backbone of the department there by contributing significantly to the practical adeptness of the students. The department offers courses, which are industrial in focus as well as research oriented. It is one of the oldest departments of this University, Established in 1998. The department secured NBA accreditation in 2007. The department has distinguished itself with its alumni spread all over the world. Equipped with the most advanced labs, this department nurtures young minds & provides them the appropriate launch pads to grow and excel in the technical world. The department offers Bachelor of Technology, Master of Technology and Doctoral Degree. The selection procedure is based on Combined Entrance Test IUET. Apart from academics, the department outshines other departments in inter-departmental cultural and sports competitions.

The Department uses a judicious blend of concepts, theories, and practices to prepare the students to function in a dynamic environment. The main emphasis is laid on developing skills and attitudes to put acquired knowledge to in practice which makes the courses interesting. Different learning methods are used which are appropriate to the course and help students in developing the habit of thinking, questioning, analyzing and decision-making.

Organized **"2nd IEEE International Conference on "Computational & Characterization Techniques in Engineering & Science" (CCTES 2024) on November 15-16, 2024**. This significant International Conference aimed to unite researchers, engineers, and industry professionals to discuss advancements in computational and characterization methods across various engineering disciplines.

## **Day 1: November 15, 2024**

The conference commenced with a warm welcome from Dr. Mohammad Atif Siddiqui, Head of the Department of Electrical Engineering. He introduced the distinguished guests and highlighted the significance of the conference. Prof. Md. Haris Siddiqui, Registrar of Integral University, outlined the institution's rich history, academic excellence, and future aspirations.

Prof. Asheesh Kumar Singh, Guest of Honour from MNNIT Allahabad, Prayagraj, emphasized the collaboration between IEEE and Integral University. He underscored the importance of partnerships in fostering innovation and research. Prof. Dr. Satish Kumar Singh, Guest of Honour from IIIT Allahabad, elaborated on the benefits of interdisciplinary research and the critical role of publishing impactful research papers.

Mr. Adnan Akhtar addressed the computational aspects of the conference, while Prof. Javed Musarrat, Vice-Chancellor of Integral University, encouraged students to embrace innovation and engage in meaningful research. Dr. Rama Shanker Verma, Director of MNNIT Allahabad, shed light on the importance of integrative research in the modern scientific landscape.

The day concluded with a motivating speech by Dr. Syed Nadeem Akhtar, Pro-Chancellor of Integral University, who emphasized how computational and characterization tools are revolutionizing fields such as materials science, energy, and medicine. His remarks set the stage for dynamic discussions and collaborations throughout the event. Following this, paper presentations commenced across various tracks, both offline and online mode.

### **Day 2: November 16, 2024**

The second day featured a thought-provoking session led by Prof. Dr. Arun Kumar Singh, Head of the Department of Electronics and Communication Engineering, REC Kannauj. He advocated for offline presentations as a more effective learning tool compared to online formats.

Dr. Vishal Singh Chandel, Professor and Head of the Faculty of Applied Sciences and Humanities, Rajkiya Engineering College, Ambedkar Nagar, highlighted the importance of networking in academia and industry. He emphasized its various forms and the value it brings to research and development.

Dr. Ahmad Faiz Minai from the Department of Electrical Engineering at Integral University presented a detailed summary of the conference's impactful sessions, capturing the essence of the two-day event. Prof. Dr. Abdul Azeez, Dean of the Faculty of Engineering & Information Technology at Integral University, lauded the organizing committee for their efforts and expressed hope for continued success in future editions of the conference.

The event concluded with a formal ceremony where mementos and certificates were distributed to participants, speakers, and organizers as tokens of appreciation for their contributions. Dr. Imran Ullah Khan delivered the closing remarks, expressing heartfelt gratitude to all attendees and contributors for making CCTES 2024 a resounding success.

# DEPARTMENT OF MECHANICAL ENGINEERING

Prof. Sunil Kumar : Dean

Prof. (Dr.) Prem Kumar Bharti : HoD



Alumni Meet 2025



Workshop on "Industrial Energy Efficiency and Decarbonisation Using Virtual Reality-Based Digital Twin Training Simulators"

The Department of Mechanical Engineering was established in the year 1999. It offers degrees related to Ph.D., M.Tech. and B.Tech. Programs. The department has a committed and highly experienced team of faculty members, state of the art workshop and well established laboratories of Fluid Mechanics, Strength of Materials, Manufacturing Science, Engineering Drawing, CAD/CAM, Applied Thermodynamics, Dynamics of Machines, Materials Science, Metrology, Fluid Machinery, Refrigeration and Air conditioning, Heat and Mass Transfer and Automobile Engineering. The department is NBA accredited as "B" in the year 2009.

The educational objectives for Mechanical Engineering program are designed to cover fundamental and vital areas of importance, relevant to both industry and research.

## Highlights of the major activities and achievements

- An International Seminar on "Emerging Trends in Composite Materials and Microfluidics" was organized on November 12, 2024, The seminar featured eminent speakers and experts like Dr. Mohamad Sapuan Salit, Professor and Head, AEMC, University of Putra Malaysia, Dr. Sudish Kumar Shukla, Professor, Department of Mechanical Engineering, Manav Rachna University, Dr. Arees Qamareen, Associate Professor, ZHCET, Aligarh Muslim University (AMU), Dr. Manoj Kumar Gupta, Assistant Professor, MNNIT, Allahabad.
- An Expert Lecture on "Fluid Dynamics and Heat Transfer Analysis for the Flow Past a Cylinder with focus on Intellectual Property Rights (IPR)" held on November 20, 2024. Expert Dr. Rashid Ali delivered an insightful lecture focusing on the application of Computational Fluid Dynamics to understand the flow behavior around Bluff Bodies.
- A Value-Added Course entitled "SMART TOOLS FOR PRODUCT DESIGN (MEV-25-01)", was organized by the Department, which commenced from May 30, 2025 to June 16, 2025 in online mode.
- An "Alumni Meet 2025" was organized on 9th April 2025 in association with the Alumni Welfare

Association, Integral University. The rendezvous was a celebration of accomplishments and served the purpose of reminiscing the past, fostering a shared sense of pride, affinity, and connectivity among the alumni and the students. Prominent alumnus from 2005 batch to 2022 batch participated and shared their experiences in the meet.

- A seminar on “Profile Building for High-Value, Placements & Higher Education” was organized on 7th March 2025 in the CSE Seminar Hall. The session was conducted by Mr. Satish Anand, Founder & CEO of Aao Seekhe, a renowned industry expert with over 23 years of experience in soft skills training and career mentorship.
- A Guest Lecture on “Advancement and Challenges in Manufacturing Processes” was Organized on 5th March 2025. Prof. Sanjay Agrawal, Professor (Retd.) from BIET Jhansi and an expert in Unconventional Manufacturing Processes (UCMP) and Hybrid Machining, provided a comprehensive overview of the evolution of manufacturing processes, from traditional methods to cutting-edge techniques. He then transitioned to advanced manufacturing processes, including CNC machining, Additive Manufacturing (3D Printing) and UCMP techniques like EDM, LBM and USM, showcasing how these methods enable complex geometries, reduce waste and improve precision.
- A one-day online workshop on "Understanding & Implementation of Outcome-Based Education (OBE) in Curriculum Design" was organized on February 15, 2025
- A Two-Week Professional Development Program (PDP-2025) on "Industry 4.0 & Its Overview " was organized, from February 24, 2025 – March 7, 2025. In this PDP experts like Prof. Zulquernain Mallick, Head, MED, Jamia Millia Islamia, Dr. M.T. Mastura from UTEM, Malaysia, Dr. Sahir Azmi, PDF, CSIR Lucknow, shared data-driven insights into the regional adoption of Industry 4.0 in the Indian manufacturing sector.
- A One-Day National Workshop on "Industrial Energy Efficiency and Decarbonization Using Virtual Reality-Based Digital Twin Training Simulators" was organized, under the guidance of UPNEDA, EMC Cell, and GIZ Germany on January 29, 2025, at the Seminar Hall (Room No. F220, F Block).
- Guest Lecture on “Career Counselling for Higher Studies” was Organized on January 13, 2025. Ms. Shagun Arora of Manchester Metropolitan University, Assistant Recruitment Advisor, was the keynote speaker of the event. Ms. Arora covered important topics in her enlightening talk, such as new academic fields, employment prospects, and worldwide trends influencing engineering's future.
- In collaboration with Green Tree Global, under the guidance of UPNEDA, EMC Cell, and GIZ Germany, successfully organized a One-Day National Workshop on "Industrial Energy Efficiency and Decarbonization Using Virtual Reality-Based Digital Twin Training Simulators". The workshop was conducted on January 29, 2025, from 10:00 AM to 04:00 PM. The Resource Person was Mr. M. Natarajan, Director (Technology Management & Energy Management), National Productivity Council

#### **A brief on Seminar/ Conferences held by department at the National/International level.**

- A seminar on “Profile Building for High-Value, Placements & Higher Education” has been organized on 7th March 2025. The seminar aimed at equipping students with essential skills and insights to enhance their professional profiles for top placements and higher education opportunities. The session was conducted by Mr. Satish Anand, Founder & CEO of Aao Seekhe, a renowned industry expert with over 23 years of experience in soft skills training and career mentorship.
- An International Seminar on "Emerging Trends in Composite Materials and Microfluidics," was organized, on November 12, 2024, The seminar featured eminent speakers and experts like Dr. Mohamad Sapuan Salit, Professor and Head, AEMC, University of Putra Malaysia, Dr. Sudish Kumar Shukla, Professor, Department of Mechanical Engineering, Manav Rachna University, Dr. Arees Qamareen, Associate Professor, ZHCET, Aligarh Muslim University (AMU), Dr. Manoj Kumar Gupta, Assistant Professor, MNNIT, Prayagraj.

## Patents

The Status of patents during the year is as follows :

Title	Level	Published on	Reference / Application No	Status	Applicant Name
Design Of Ergonomic Visual Display Terminal for Physically Challenged	International	27/04/2025	202411055530	Published	Er. Shara Khursheed, Dr. Prem Kumar Bharti, Dr. Kahwaja Moeed
Development of a Setup To Increase the Emergency Power Requirement In E-Cycle Using Dual Motor and Smart Connecting System	National	28/03/2025	202411058228	Published	Dr Mohd Anas Dr Arifuddin Mallick

## Curriculum

Curriculum developed and implemented in the department based on the feedback of the stakeholders and experts of BOS from academia and industry have relevance to the local, regional, national and global developmental needs, and the courses designed so have focus on employability, entrepreneurship & skill development.

## ICT Enabled Tools

ICT enabled tools are used by the faculty members as well as online resources are shared with the students for effective teaching and learning processes.

# FACULTY OF EDUCATION

Prof. (Dr.) Adnan Khan Lodi : Dean

Dr. Eklak Ahmad : HoD



Established in 2005, the Faculty of Education began its journey with the launch of the B.Ed. program, enrolling 100 students in its inaugural batch. The M.Ed. program was introduced in 2008 with 25 seats and now operates with an intake capacity of 50 students (one unit). The D.El.Ed. program started in 2017, while the Ph.D. program commenced in 2010. Post Graduate Diploma in Educational Management and Administration, Value Education and Diploma in Childhood Care and Education were started in 2023. The department has awarded degrees to 1,754 undergraduate students, 292 postgraduates, 41 diploma holders, and 54 Ph.D. scholars. Many students have progressed to esteemed institutions such as Aligarh Muslim University, Jamia Millia Islamia, Delhi University, and Banaras Hindu University. The department is supported by a team of highly qualified faculty from reputed universities, known for their academic expertise, interdisciplinary interests, and professional experience.

## Highlights of the major activities and achievements.

- I. **Student Induction Program** The Faculty of Education organized a three-day Student Induction Program “Deeksharambh” from 1st to 3rd August 2024 for newly admitted students of B.Ed., M.Ed., and D.El.Ed. programs. The program began with a welcome address by Prof. (Dr.) A.K. Lodi and a motivational talk by Dean Prof. T. Usmani, followed lectures from experts. Day 2 included proctorial guidance, inspiring alumni and senior student talks, screening of documentaries on values, and a campus visit to centralized facilities. Day 3 featured an insightful address by the Head of Department, a tour of departmental facilities, and a visit to the Centre for Career Guidance and Development.
- II. **Guest Lecture** on the occasion of International Day of the World's Indigenous People was organized on 9th August 2024 to. The event featured Dr. Beena Indrani, Assistant Professor, University of Lucknow, as the keynote speaker. Dr. Indrani highlighted the role of indigenous knowledge in promoting sustainability, addressing environmental concerns, and preserving cultural heritage.
- III. **A Two Weeks Professional Development Program** (20th September to 3rd October 2024) was organized on “Education 4.0 - A Taxonomy for the Future of Learning”. The program aimed to empower educators with future-ready skills aligned with the digital transformation in education. Renowned

experts from institutions like Mizoram University, Aligarh Muslim University, Jamia Millia Islamia, and Galgotias University conducted sessions on topics such as artificial intelligence in education, data privacy, 21st-century skills, curriculum innovations, complex thinking, and assessment strategies. The program saw active participation from 91 academicians and education professionals, with 69 receiving e-certificates upon successful completion.

- IV. **Poster Making Competition on Theme** : “Creative Solutions for a Sustainable Future: Effective Rainwater Harvesting and Green Campus Initiatives” was held on 28th August 2024 to promote sustainable practices through creative expression. Aligned with the UGC's initiative, the event focused on themes such as rainwater harvesting, green campuses, and water conservation.
- V. **Soft Board Decoration Competition Theme**: “Honoring Our Heroes: Happy Teachers' Day” organized by Faculty of Education on 4th September 2024 to commemorate Teachers' Day and honour Dr. Sarvepalli Radhakrishnan. Teams participated enthusiastically showcasing creativity and thematic expressions. Forty six students participated in the event.
- VI. **Hindi Diwas Celebration** the department organized a speech competition on the occasion of Hindi Diwas on 18th September 2024, themed “Hindi - From Traditional Knowledge to Artificial Intelligence”. The event celebrated the richness of Hindi and its evolving relevance in the modern digital age. Professor C.S. Shukla from Rohilkhand University, Bareilly graced the event as Chief Guest and released two books: "Shanti Shiksha" and "Computer Phobia Scale".
- VII. **Swachhata Hi Sewa 2024 Campaign** was run on 2nd October 2024 to mark Mahatma Gandhi's birth anniversary. The initiative aimed to promote awareness about cleanliness, waste management, and community hygiene among students. An Online Quiz Competition was conducted where 79 students participated enthusiastically. The quiz comprised 10 MCQs, each carrying one mark, with a time limit of 20 minutes.
- VIII. **Guest Lecture** on “Building a Peaceful Society through Gandhi Ideals” was held on 10th October 2024. The talk was delivered by Dr. Anshal Ali Tiger, Assistant Professor, Department of Humanities and Social Sciences, Integral University. He highlighted Gandhi's major contributions, including the Non-Cooperation and Khilafat Movements, and emphasized his unwavering commitment to non-violence (Ahimsa), social equality, and national unity. He also discussed Gandhi's promotion of Swadeshi, Swachcha Bharat, and Aatma Nirbhar Bharat, underlining their continued relevance in today's context.
- IX. **A One-Day Workshop** “The Art of CV Writing: Your Path to Career Success” was conducted on 22nd October 2024 to make students career ready for educational industry. The workshop focused on the conceptual understanding of a CV, its difference from a resume and biodata, essential components, and dos and don'ts. Students were guided on creating effective CVs aligned with career goals.
- X. **A Talent Hunt Program** “Tahzeeb-e-Integral” was organized on 24th October 2024, celebrating student talent and cultural heritage. Anchored by Noorah and Sayeda Hadiya, the event featured four vibrant segments: Poem Recitation, Sher-O-Shayari, Ghazal, and Singing. Judged by Dr. Geetika Nidhi and Dr. Bushra Sumaiya, the competition witnessed enthusiastic participation from students across various disciplines.
- XI. **Slogan Writing Competition Under Mission Shakti Abhiyan** - Phase 5 was organised on 24th October 2024 following the directive of the Higher Education Department, Government of Uttar Pradesh. The event aimed to raise awareness about women's safety, dignity, and empowerment. With the theme “Mission Shakti Abhiyan”, and sub-themes focusing on respect, safety, and empowerment of women, 50 students from various departments participated with enthusiasm.
- XII. **A power packed Nukkad Natak** “Shakti Aur Swabhiman: Rani Laxmi Bai Ek Prerna” was organized by the Faculty of Education, Integral University, organized on 28th October 2024 as part of Mission Shakti Abhiyan - Phase 5.

**XIII. The Unity Day was celebrated** to mark the birth anniversary of Sardar Vallabhbhai Patel on 31st October 2024. To commemorate the occasion, Rangoli and Mehndi Making Competitions were organized on the theme "Ekta ka Indradhanush".

**XIV. To mark National Education Day** and commemorate the birth anniversary of Maulana Abul Kalam Azad, India's first Education Minister, the Faculty of Education organized a debate competition on 11th November 2024. The event, focused on the theme "Education for Peace is the sole responsibility of Educational Institutions".

**XV. An online quiz was organized on "Global Citizenship Education"** on 3rd February 2025, aligning with the United Nations Academic Impact Goal-6. The event aimed to promote awareness and critical reflection on global citizenship among students. Conducted via Google Forms, the quiz was open to all university students without any registration fee.

**XVI. Peer Interaction session** was organized by the Faculty of Education, in collaboration with the Gender Champion Club. An online event was held on "Peer Interaction on Gender Sensitization" on 26th March 2025. The session aimed to promote awareness and understanding of gender-related issues and challenge traditional gender norms.

**XVII. In Celebration of 10 Years of International Day of Yoga** the Faculty of Education, in collaboration with the Yoga Club under the aegis of the Dean, Students' Welfare, organized a Poster Making Competition held from 29th May to 4th June 2025. The competition aimed to raise awareness about yoga as a healthy lifestyle practice in today's stressful world. Students from nine departments.

#### **A brief on University- Industry Linkages.**

Kal, Aaj Aur Kal an Alumni Meet was organised on 30th January 2025 to foster interaction between students and alumni. Mr. Khursheed Alam, Assistant Teacher at Government Basic Composite School, Lucknow and an alumnus from the 2011-2012 M.Ed. batch, was the guest speaker. The program began with a welcome song by B.Ed. student Jaya Sarkar

#### **A Brief on Community welfare/ Charitable activities undertaken during the year.**

To celebrate National Girl Child Day, organized a community service activity on 24th January 2025 in Village Sansarpur, B.K.T., Lucknow. This Extension Activity aimed at creating awareness about "Gender Equality and Women Empowerment", aligning with SDG Goal 5 and the United Nations Academic Impact. A total of 78 students actively participated.

#### **ICT Enabled tools including online resources for effective teaching and learning.**

Various ICT-enabled tools, including PowerPoint presentations, videos, PDFs, and interactive online resources, are effectively integrated into teaching-learning processes by our faculty members in the department. These tools enhance content delivery, facilitate deeper understanding, and promote student engagement across various courses, contributing significantly to quality education and enriched classroom experiences in both online and offline modes.

#### **The Details of seed money provided to teachers for research.**

A seed Money Project titled as "A Study of Life Buoyancy in Relation to Demographic Correlates of Undergraduate Students" was completed. PI- Dr. Divya R. Panjwani Co-PI: Dr. Geetika Nidhi has been approved. Second Seed Money Project titled as "Development of Skill Education Course for HEI's Curriculum in U.P." Amount 2.0 L. PI Dr. Smita Srivastava Co PI Prof. (Dr.) A. K. Lodi is in working stage. Third project approved under Seed Money was on the topic "Exploring Teacher Awareness and Integration of Indian Knowledge System in Higher Education: A comprehensive study of Uttar Pradesh." PI - Dr. Azkiya Waris and Co-PI: Dr. Dhriti Tiwari is also in working stage.

#### **A brief about two best practices successfully implemented by the department:**

There is formation of Departmental Societies, Sanskarya, Literary Clique, Shaurya, Samvedna, & Research and

Innovation Society in the Faculty of education and all the events are designed, promoted and executed under it so that all the dimensions required for substantial development of students are maintained.

### **Extension and outreach Programme-**

Extension activity promoting Samagra Shiksha was organised on 21st November 2024 in collaboration with NSS, Integral University, and Dr. Shyam Singh Public Inter College, Barkhurdarpur, Lucknow. The event focused on promoting inclusive and holistic education. Over 400 participants, including students and staff from both institutions, engaged in the program. The event began with a lamp-lighting ceremony and prayer, symbolizing the light of knowledge.

Extension Activity on Gender Equality Awareness was organised on 22nd November 2024, in collaboration with NSS, Integral University, and Integral International School, Sansarpur, under the Sukanya Samriddhi Yojana (SSY) on the theme Gender Equality. The program aimed to raise awareness about the SSY scheme and its role in empowering the girl child through financial security and education. Over 280 students and staff participated actively. Highlights included a powerful street play on SSY, a speech on gender equality, poetry recitals, and interactive sessions.

Under Ayushman Bharat (PM-JAY) organized an impactful sensitization programme on 23rd November 2024 under the theme "Sensitization Program for Digital Detox", aligning with the Pradhan Mantri Jan Arogya Yojana (Ayushman Bharat). With over 350 participants including 180 Education students, 150 school students, and 20 teachers, the event promoted awareness about mindful digital use.

Under Swachh Bharat Mission organized an extension activity on 27th November 2024 at Janta Vidyalaya, Gudamba, to promote the Swachh Bharat Mission. The initiative aimed to in still cleanliness and hygiene awareness among school students under the theme "Ek Kadam Swachhata Ki Aur".

# INTEGRAL INSTITUTE OF MEDICAL SCIENCES & RESEARCH

**Mr. Syed Mohd. Fauzan Akhtar**

Addl. Pro-Chancellor,  
IIMS&R, IIAHS&R, IINS&R

**Prof. Dr. Abha Chandra** : Dean



This report highlights the brief history and evolution of Institute from a hospital with basic health care services to an advanced Post graduate training medical college & Tertiary Health care centre with superspecialist services. It also summarizes the academic excellence, infrastructure development, newer advanced health care facilities, student accomplishments, research progress and community care services.

Integral University Lucknow is a minority institution run by Islamic Council of Productive Education established in the year 2004 under the act no. 9 of 2004 by U.P. State Government to impart high quality and value-based education in disciplined and decorous environment.

The parent body of the institution is governed by the Board of Trustees which is headed by Prof. S. W. Akhtar, a renowned scholar of Nadwat-ul-Ulema, Lucknow and eminent academician, Hon'ble Chancellor of Integral University and General Secretary of Islamic Council for Productive Education, Lucknow.

The institute had a humble beginning and started as a small hospital to cater the basic health care needs of the inhabitants of surrounding villages. In the past two decades it has expanded tremendously and has developed into a tertiary care Institute the Integral Institute of Medical Sciences and Research (IIMS), which is a hi-tech 900+ bedded multispecialty hospital and teaching institute providing basic and advance medical and surgical patient care to patients of the city as well as referred patients from outside Lucknow alongside imparting teaching and training to undergraduates and postgraduates of all specialities. Presently Integral hospital has all the medical and surgical clinical specialities running successfully alongside six super specialty units viz. Plastic Surgery, CVTS, Urology, Nephrology, Neurology and Neurosurgery catering to the needs of patients requiring advanced diagnostic services & health care. The institute plans to start super- specialty courses namely DM in Gastro Medicine, MCh in Gastro Surgery & MCh in Paediatric Surgery.

IIMS has 21 departments besides Emergency Medicine, Trauma Care Unit, 6 Intensive care units (CCU, MICU, ICCU, SICU, NICU, PICU), Dialysis Unit, and Blood Centre. The institute was awarded LOP for starting MBBS course (100 seats) in the year 2013 and after successful completion of successive five years of running MBBS course, the institute has been duly recognized by MCI u/s 11 (2) from the year 2018. IIMS started with 100 MBBS seats in 2013 and is now recognized for uptake of 150 seats annually since 2020. Planning a n d application for increment of MBBS seats from present 150 to 250 annually in the year 2025 marks another advancement in academic field. The institute has also applied for increase of PG seats in all clinical post graduate departments to improvise in research, training, and patient care. The departments of Obstetrics &

Gynaecology and Anaesthesiology have been successfully approved by NMC for seat increments from this academic year, thus facilitating 6 and 7 PG students respectively in their departments to get trained as specialists each year.

Further, PG courses (MD/MS) are being regularly conducted in all the 15 (fifteen) departments. The second batch of MD/MS students of batch- 2021 in four departments namely department of Anaesthesiology, Pathology, Obstetrics and Gynaecology and Ophthalmology passed successfully with 100 % result. All the MD/MS students of 10 departments where the postgraduate course started in 2021 also passed successfully with 100 % result in December 2024. The MBBS & MD/MS courses are being conducted as per Competency Based Medical Education (CBME) Curriculum based on the batch specific and latest 2024 NMC guidelines which has been successfully implemented in all the batches of MBBS & MD/MS.

In alignment with the institute's vision of continued progress and providing advanced academic and skilled clinical training, from this year new courses namely the PDCC and fellowships are being planned to be initiated in various departments, which include the Department of Ophthalmology with 1-year PDCC in Medical Retina and Glaucoma, Department of Anaesthesiology, Obstetrics & Gynaecology, ENT, Orthopaedics, Radio-Diagnosis, Endocrinology, Psychiatry & Medicine.

To train the faculty, residents, and staff with the advancements in medical education and fast evolving latest technologies in health care the institute organized regular periodic training and appraisal of the faculty, residents, and staff through several CMEs, conferences, workshops, FDPs, VACs and PDPs. Our experienced faculty members and trainers mentor the newer faculty and residents by bringing their expertise to the new courses being introduced, ensuring high-quality education and clinical care. MOUs of IIMSR are successfully continuing with other prestigious health care institutes of the city like SGPGI & KGMU which aid in varied experience to the learners through student exchange programs, higher level most advance trainings and research expansion. IIMSR has also enrolled eminent international and national faculty as adjunct professor/visiting professor to appraise the academic, clinical and research training of the undergraduate and post graduate students by experience and skill being shared by stalwarts.

The dedicated medical faculty and staff members continue to excel in teaching, research, and mentoring.

The well-equipped labs and research centres facilitate innovative research and hands-on learning. Several innovative research projects are being conducted by faculty and residents in all the speciality departments and number of awards and recognitions being achieved for the same. IIMSR has organized many community outreach programs by conducting health camps and providing medical Services, which are being offered within Lucknow and outside the city in peripheral rural areas by UHTC, RHTC, C.H.C and P.H.C regularly through-out the year.

### **Existing Infrastructure & Facilities:**

The hospital is fully furnished with all advanced facilities being managed by highly qualified medical team and technical supporting staff.

Facilities like state-of-the-art Modular OT complex with 9 Major + 2 Minor OTs, fully equipped CCU, ICU, MICU, SICU, NICU, Dialysis Unit, modern machinery for Digital X-rays, CT scan, 2D Echo, MRI, Ventilator Facility, Laparoscopy, Ultrasound & other investigations and Blood Centre facility are being provided at minimal charges to make healthcare facilities more accessible and affordable for the patients from under-privileged families. The registration fee for a patient is a token amount of Re. 10/- valid for a period of 15 days.

### **Key Achievements & Accreditation Details:**

It can be proudly stated that after the biggest laurel of achieving NAAC A+ accreditation by Integral University, IIMSR has been successfully accredited with NABH and NABL, NBA, & ICAR Certifications, further recognizing its commitment to healthcare delivery and continuous improvement in patient care to achieve highest goals.

The institute has also secured 5th Rank amongst the medical colleges in the State of Uttar Pradesh in the latest IIRF Rankings of 2024. It also has been ranked highly by Times Higher Education University Impact Ranking in

Good Health and Well-being 2025 ranking in 801-1000 bracket globally. IIMSR also received appreciation award for outstanding participation in the prestigious Atal Swasthya Mela - 5, held on 24-25 December 2024.

The Institute continuously aspires to produce skilled medical professionals and contribute to advancements in healthcare to achieve Nation's sustainable developmental goals in sector of health care and medical education & research.

Integral Institute of Medical Science and Research (IIMSR) also aspires; to achieve international recognition for its capability to produce physicians with essential knowledge, skills and professionalism for practicing their profession efficiently & ethically; to provide evidence based clinical care to the attending patients & public health services and to undertake such research program which addresses the prevailing health problems and whose outcome can be translated to a functional service package & program benefiting individuals and the community at large.

### The teaching and training program of the institute is managed by following Faculty/Resident

Professor	:	58	Associate Professor	:	34
Assistant Professor	:	86	Tutor/Demonstrator	:	62
Senior Resident	:	50	Junior Resident	:	124

### Highlights of the major activities and achievements during the Academic Year 2024-25 (July 2024 to June 2025).

Five batches of MBBS students have successfully passed out and acquired the MBBS degree from the Institute. A total of 150 undergraduate 45 postgraduates have joined in 2024-25. They were welcomed and oriented by an elaborate MBBS Orientation program and 2 weeks foundation course & PG Orientation program which was very well appreciated by the participant students and their guardians.

The yoga week was celebrated with full fervour from 13th June to 20th June with International Yoga Day celebrated on 21st June 2025 with MBBS students as enthusiastic participants. It was organized by Physiology department to mark the importance of physical and mental wellbeing to reduce stress and promote help of the students. The content of the course included theory, poster presentation as well as practical demonstrations and practice of different types of Pranayama and Yogasanas.

IIMSR is actively engaged in Faculty Development Programme, CMEs & Workshop on a regular basis conducted by the MEU of institute. The department organized the BCME under KGMU nodal centre observership, weekly Continuing Medical Educations (CMEs), monthly Clinico-Pathological Conference (CPC) and Clinical Radiological Correlation (CRC):

S. No.	Year	Date	Topic	Presenting Department	Presented by
1.	2024	10-07-24	Behaviour Change Communication	Community Medicine	Dr. Nisha Sodhi
2.	2024	24-07-24	Progesterone in Gynaecology	OBG	Dr. Sonali Sharma
3.	2024	31-07-24	Physiology of Aging: Role of yoga in healthy aging	Physiology	Dr. Swati Chaurasia
4.	2024	14-08-24	Consent	Forensic Medicine	Dr. Kumar Mukund
5.	2024	21-08-24	Embalming (Science of body preservation)	Anatomy	Dr. Mohammad Javed Ali Khan
6.	2024	28-08-24	Cognitive functions in Depression	Psychiatry	Dr. Ashutosh Singh
7.	2024	04-09-24	Organ Donation Then to now, facts & myths	Ophthalmology	Dr. Rubie Malhotra

8.	2024	11-09-24	T-Cadherin a predictor for Cardiovascular	Biochemistry	Dr. Mohd Danish Khan
9.	2024	25-09-24	Preoperative Investigation	Anaesthesiology	Dr. Yash Narain Khanna
10.	2024	16-10-24	Laser in dentistry: An innovative tool in modern dental practice	Dentistry	Dr. Attiudddin Siddiqui
11.	2024	23-10-24	Aprocitentan (Tryvio) A new Hope for resistant hypertension	Pharmacology	Dr. Shweta Dwivedi
12.	2024	30-10-24		Surgery	Dr. Ayushman Pandey
13.	2024	13-11-24	Breaking the rabies boundaries one health, zero death	Microbiology	Dr. Sshrutkirti Gupta
14.	2024	20-11-24	Airway Management in ENT	ENT	Dr. Shweta
15.	2024	27-11-24	Climate change and health	Community Medicine	Dr. Astha Kalra
16.	2024	11-12-24	PC PNDT Act	Obstetric & Gynecology	Dr. Poonam
17.	2024	18-12-24	An Overview of Cyber Crime	Forensic Medicine	Dr. Kumar Mukund
18.	2025	15-01-25	Consequences of Sedentary Lifestyle	Physiology	Dr. Tripti Tripathi
19.	2025	22-01-25	Shock	Pediatrics	Dr. Ananya Singh
20.	2025	29-01-25	Approach to a patient with chest discomfort	General Medicine	Dr. Sachin Jaiswal
21.	2025	12-02-25	Knee Joint	Anatomy	Dr. Fouzia Quraishi
22.	2025	12-03-25	Professional Misconduct	Forensic Medicine	Dr. Savir Ali
23.	2025	19-03-25	Common ENT Problem in Pediatric	ENT	Dr. Falaq Faiyaz
24.	2025	02-04-25	Systemic Diseases and Cataract	Ophthalmology	Dr. Rubie Malhotra
25.	2025	16-04-25	Perioperative Fasting and Feeding- Guidelines for Adults and Paediatrics Patients	Anaesthesiology	Dr. Ayisha Siddiqui
26.	2025	23-04-25	Unlocking Potential: Understand and Managing ADHD	Psychiatry	Dr. Himanshu Dhunna

27.	2025	14-05-25	Extrahepatic Intra Abdominal Hydatid Cyst presenting after previous surgery	Surgery	Dr. Khalid Anwar
28.	2025	04-06-25	Acute abdomen with adnexal mass in reproductive age group	Obstetrics & Gynaecology	Dr. Syeda Ansa
29.	2025	11-06-25	DKA Management	Paediatrics	Dr. Approvi Saxena
30.	2025	18-06-25	Music Distraction- A Novel approach in allaying Dental fear and anxiety amongst paediatrics dental patients	Dentistry	Dr. Divya Singh

### CPC (Clinicopathological Conference) 2024-25

S. No.	Year	Date	Topic	Presenting Department	Presented by
1.	2024	07-08-24	Unveiling the fundus in cataract- A diagnostic surprise	Pathology & Ophthalmology	Dr. Paridhi Dr. Zarina
2.	2024	09-10-24	A rare case of Pyoderma gangrenosum associated with hepatitis c and scrotal involvement	Pathology & Dermatology	Dr. Vinita Dr. Manthan Jhad
3.	2024	04-12-24	Ventilator Associate Pneumonia	Microbiology & Medicine	Dr. Musharraf Dr. Ovais Ali Khan
4.	2025	30-04-25	Ashy Dermatosi	Pathology & Dermatology	Dr. Zermine Jamal Dr. Neha Riyaz
5.	2024	31-01-24	Clinico Radiological Co-relation in Early tubercular involvement	Radiology & Orthopedics	Dr. Mohammad Shariq Dr. Safranz
6.	2024	06-03-24	Clinicoradiological evaluation of Abdominal Tuberculosis: A case report	Pediatrics & Radiology	Dr. Shreeya Dabadghao Dr. Abdullah
7.	2024	01-05-24	Faces of Complexity- A Radiological perspective	Radiology	Dr. Kanika Malhotra
8.	2024	03-07-24	Traumatic Soft Tissue Shoulder	Orthopedics & Radiology	Dr. B. Vincent Dr. Adnan Sheikh
9.	2024	18-09-24	Malaria	Pediatrics & Microbiology	Dr. Nabila Ansari Dr. Tahira Ansari
10.	2024	06-11-24	Clinico radiological of pott's spine	Radiology & Medicine	Dr. Abdullah Dr. Sachin Jaiswal
11.	2025	08-01-25	Lumber Canal Stenosis	Radiology & Orthopedics	Dr. Mohammad Shariq Dr. Shivam Sharma
12.	2025	26-03-25	CANDIDIASIS	Microbiology & Pediatrics	Dr. Malik Mohammad Yousuf Dr. Eahsanul Haque
13.	2025	25-06-25	A Curious Case of Supra Orbital Mass Epidermoid Cyst Unveiled	Ophtalmology & Pathology	Dr. Paridhi Dr. Adiba Sultan

### CRC (Clinical Radiological Correlation)

S. No.	Year	Date	Topic	Presenting Department	Presented by
1.	2024	03-07-24	Traumatic Soft Tissue Shoulder	Orthopaedics & Radiology	Dr. B. Vincent Dr. Adnan Sheikh
2.	2024	18-09-24	Malaria	Paediatrics & Microbiology	Dr. Nabila Ansari Dr. Tahira Ansari
3.	2024	06-11-24	Clinico radiological of pott's spine	Radiology & Medicine	Dr. Abdullah Dr. Sachin Jaiswal
4.	2025	08-01-25	Lumber Canal Stenosis	Radiology & Orthopaedics	Dr. Mohammad Shariq Dr. Shivam Sharma
5.	2025	26-03-25	CANDIDIASIS	Microbiology & Paediatrics	Dr. Malik Mohammad Yousuf Dr. Eahsanul Haque
6.	2025	28-05-25	Bone Infection & Tumor	Orthopaedics & Radiology	Dr. Mohammad Shariq Dr. Areeb Ali Siddiqui Dr. Nisha Rehbar

### BCME WORKSHOP

S. No.	Year	Date	Topic	Presenting Department	No. of Faculty Trained
1	2024	8 - 10 OCTOBER 2024	Basic Course in Medical Education (BCME) Workshop	MEU	28





Number of Adjunct /Visiting Professor associated with the Department with their brief profile. **Individual department details are attached.**

Number of New Academic programs started in the academic session 2023-24.

Consultancy Assignments handled. Corporate Training obtained. **Individual department details are attached.**

International Visitors to the Department. **Individual department details are attached.**

A mention that curricula developed and implemented have relevance to the local, regional, national and global developmental needs, and the courses having focus on employability/ entrepreneurship/ skill development: Individual department details are attached.

Mention that ICT enabled tools including online resources for effective teaching and learning processes are used: **Individual department details are attached.**

The Details of seed money provided to teachers for research: **Individual department details are attached.**

Details of teachers received national/international fellowship/financial support by various agencies for advanced studies/research: **Individual department details are attached.**

Number of JRFs, SRFs, Post-Doctoral Fellows, Research Associates and other research fellows enrolled during the reporting year. Number of Ph.D. awarded and Number of students enrolled in Ph.D. Programme: **Individual department details are attached.**

Details of Extramural funding for Research (Grants sponsored by the non-government sources such as industry, corporate houses, international bodies) during the year and grants for research projects sponsored by the government agencies: **Individual department details are attached.**

Number of workshop/seminars conducted on Research methodology, Intellectual Property Rights (IPR), entrepreneurship, skill development: **Individual department details are attached.**

Extension activities in the neighbourhood community in terms of impact and sensitizing students to social issues and holistic development: **Individual department details are attached.**

Number of awards received by department, its teachers, and students from Government/Government recognized bodies, National & International Agencies in recognition of the extension activities: **Individual department details are attached.**

No. of classrooms and seminar halls with ICT-enabled facilities such as LCD, smart board, Wi-Fi/LAN, audio video recording facilities: **Individual department details are attached.**

No. of students qualifying in state/national/international level examinations. (eg: NET/SLET/GATE/GMAT/CAT/GRE/TOEFL/Civil Services/State Government Examinations). **Individual department details are attached.**

Number of awards/medals won by students for outstanding performance in sports/cultural activities at inter-university/state/national/international events: **Individual department details are attached.**

Whether the department has disabled-friendly, barrier free environment: **Individual department details are attached.**

A brief about two best practices successfully implemented by the department: **Individual department details are attached.**

A brief on students' progression and placements: **Individual department details are attached.**

A brief on start-ups incubated at CIED: **Individual department details are attached.**

Extension and outreach program through NSS, Swatch Bharat, Unnat Bharat Abhiyan: **Individual department details are attached.**

MoU linked with National/International: **Individual department details are attached.**

# DEPARTMENT OF ANATOMY

**Prof. (Dr.) Abha Chandra** : Dean

**Prof. (Dr.) Kamil Khan** : HoD

The Department of Anatomy is one of the foundational pillars of medical education at IIMSR, focusing on the study of the human body's structure—both macroscopic (as seen by the naked eye) and microscopic. A sound understanding of human anatomy is indispensable for all branches of medical science, and the department aims to install in students a deep interest in and appreciation for the subject.

**Mission Statement:** The mission of the Department of Anatomy is to cultivate in students a strong zeal for understanding the structural organization of the human body and to provide a robust platform for enhancing and updating their anatomical knowledge. The department promotes quality education and research across various subfields of anatomy, including Gross Anatomy, Developmental Anatomy, Microscopic Anatomy, Imaging Anatomy, and Clinical Anatomy.

## **Key Milestones and Achievements:**

- 2012: The Department of Anatomy was established at IIMSR with the initiation of M.Sc. Medical Anatomy program, admitting 30 students in its first batch.
- 2013: The first batch of 100 MBBS students was admitted. Since then, the department has consistently delivered exceptional teaching and training to MBBS and allied health sciences students.
- 2020-21: The department began offering a Ph.D. program in Anatomy, with an intake of four scholars, thereby expanding its academic and research horizons.

## **Faculty and Infrastructure:**

- The department boasts a team of experienced and qualified faculty members from reputed institutions across India, well-versed with the latest educational methodologies and tools.
- Continuous up gradation has been a hallmark since inception. The department is equipped with state-of-the-art laboratories and facilities to meet the needs of both undergraduate and postgraduate students.

## **Facilities Overview:**

- **Dissection Hall:** A spacious facility accommodating over 250 students, equipped with embalming units, cadaver storage, and cross-sectional anatomy preparation areas.
- **Histology Laboratory:** Features advanced teaching microscopes with projection and image capture capabilities. The lab maintains a collection of over 1,000 histology slides representing all major organs and systems.
- **Research Laboratory:** Designed to train postgraduates and faculty in research methodologies, particularly in tissue processing and staining techniques.
- **Anatomy Museum:** A highlight of the department, this museum is organized into subsections such as Osteology, Gross Anatomy, Embryology, Surface Anatomy, and Radiological Anatomy. It houses:
  - 166 mounted specimens
  - 30 articulated and disarticulated human skeletons
  - Numerous anatomical models and mannequins
  - A dedicated Radiological Imaging section with conventional and advanced diagnostic imaging tools
- **Seminar Room and Departmental Library:** Equipped with a wide range of anatomical reference books, high-speed internet, and audio-visual aids to support interactive and tech-enabled learning.

Through a strong foundation in teaching, infrastructure, and research, the Department of Anatomy continues to play a critical role in shaping competent healthcare professionals and advancing medical knowledge.

**Highlights of the major activities and achievements during the Academic Year 2024-25 ( July 2024 to June 2025), in an abridged/crisp form.**

### Face Painting Competition:

The Department of Anatomy organized a Face Painting Competition on the theme "Anatomy of Head & Neck" on 07th May 2025 for MBBS First Professional students (Batch 2024). The event aimed to promote creative learning and enhance conceptual understanding of anatomical structures. Around 150 students participated, presenting artistic and informative face paintings on various topics like the temporomandibular joint, facial artery, parotid gland, cerebral hemisphere, thyroid gland, and more. The competition provided an engaging platform for students to apply their knowledge in an innovative and visual manner.

### Events Organized By The Department

#### A Face Painting Competition



A Face Painting Competition was organized by the Department of Anatomy on 07 May 2025 for MBBS Phase I Batch 2024-2025

### Guest Lecture:

A Guest Lecture on the topic "OSPE - Planning, Designing and Implementation in MBBS Professional Examinations" was held on 16th May 2025, from 10:00 to 11:00 AM at LT-11, 5th Floor, Phase II, IIMSR, Integral University. The session was delivered by Dr. Shweta Singh, Professor & Head, Department of Anatomy, Hind Institute of Medical Sciences & Research, Barabanki. She provided valuable insights into the structure and effective implementation of Objective Structured Practical Examinations (OSPE) in medical education.

The event was convened by Dr. Kamil Khan, Professor & Head, Department of Anatomy, and organized under the guidance of Dr. Mah Paiker, Assistant Professor, who served as the Organizing Secretary. The lecture was well-received by both faculty and students and served as an enriching platform for discussing best practices in medical assessment.

### Guest Lecture on "OSPE - Planning, Designing and Implementation in MBBS Professional Examinations"



Guest Lecture on "OSPE - Planning, Designing and Implementation in MBBS Professional Examinations" was organized by the Department of Anatomy on 16-05-2025 for MBBS Phase I Batch 2024-25

## A brief on Research projects being undertaken by department

### Topics

- Morphometric Analysis of Pedicle of Typical (L4) and Atypical (L5) Lumbar Vertebrae by using Computed Tomographic Scans.
- Radiological Assessment of the Morphological and Morphometric Features of carotid canal by using Computed Tomographic Scans.
- A Radiological Study of Morphology and Variations of Sacroiliac joint in Asymptomatic individuals.
- Morphologic and Morphometric analysis of Foramen ovale, Foramen Spinosum and Foramen Rotundum: A Radiological study.
- Evaluation of Morphometrical volume of stroke Lesion in brain stroke patients with the help of CT guided images.
- Sex and age in normal aging of the fourth ventricle : A Computed Tomography Study

### Guest lecture

A Guest Lecture on the topic "OSPE - Planning, Designing and Implementation in MBBS Professional Examinations" was successfully organized on 16th May 2025 from 10:00 to 11:00 AM in LT-11, 5th Floor, Phase II, IIMSR, Integral University.

The session was conducted by Dr. Shweta Singh, Professor and Head, Department of Anatomy, Hind Institute of Medical Sciences & Research, Bara Banki, who shared valuable insights on the concept, structure, and implementation of Objective Structured Practical Examinations (OSPE) in medical education. Her presentation focused on the systematic approach to planning and designing OSPE, ensuring its effectiveness in evaluating the competencies of MBBS students.

The program was convened by Dr. Kamil Khan, Professor & Head, Department of Anatomy, and organized under the guidance of Dr. Mah Paiker, Assistant Professor, Department of Anatomy, who served as the Organizing Secretary.

The lecture was well-attended by faculty members and students, and it provided an excellent platform for academic exchange and enhancement of assessment practices in medical education.

## DEPARTMENT OF ANESTHESIOLOGY

**Prof. (Dr.) Abha Chandra** : Dean  
**Professor (Dr.) Kapil Rastogi** : HoD

The basic aim of Anesthesiology is to impart related training and identify the health needs of the community. So that students become competent to handle effectively medical problems and aware of the recent advances pertaining to the field of anesthesiology. Demonstration and understanding of anesthesiology practices including interactions with other specialties, are other objectives of department.

### **CMEs/Workshops/FDPs/Other :**

- CME on the topic of "Mechanical Ventilation" by Dr. Kapil Rastogi on 08th September 2024.
- CME on the topic of "I CURE 2025" by Dr. Kapil Rastogi on 20 October 2024.
- Outreach Program of BLS Training organized by the department in Central Research Institute of Unani Medicine on 08th Jan 2025.
- BCLS Course on 13 Jan - 17 Jan, 2025 organized by the department.
- CME cum Workshop on "Basic Patient Learning Skill Course organized by the department 01 Feb 2025.
- CME on the topic of "I CAN" by Dr. Kapil Rastogi on 17 May 2025.



CME cum Workshop on I CURE 2024



CME cum Workshop on Basic Patient Care Learning Skill Course

### **Conference:**

International Conference on "Convergence of Health - Exploring Legal & Medical Perspectives" by PG JRs of Department of Anesthesiology at Integral University, Lucknow on 27th April, 2024.

### **A brief on Research Projects being undertaken by department.**

- A Comparative Study of pre-operative nebulization with dexmedetomidine, Ketamine and magnesium sulphate on post-operative sore throat in patients undergoing laproscopic surgeries under general anesthesia
- Comparison of attenuation of hemodynamic response during tracheal extubation with intravenous Magnesium Sulphate and intravenous Esmolol for surgeries under General Anaesthesia.
- A comparative study between fractionated dose versus bolus dose injection of hyperbaric levobupivacaine in patients undergoing infraumbilical surgeries under subarachnoid block.

## DEPARTMENT OF BIOCHEMISTRY

Prof. (Dr.) Abha Chandra : Dean

Dr. Roshan Alam : HoD



The Department of Biochemistry was created on 1st October, 2011, when Professor Ajay Kumar joined as the first regular Professor and Head of the Department. The Department is recognized for its academic activities, teaching and research. All the faculty members of the department are actively involved in teaching, research and laboratory services.

Prof. Ajay Kumar was awarded Regional Service Award by International Congress of Clinical Chemistry, Melbourne, Australia. (1993)

About 55 papers in peer reviewed national and international journals of repute have been published since the inception of the department.

Presently most of the research work in the department is being carried out in the field of Molecular Biology, specifically single nucleotide polymorphism and clinical Biochemistry.

The laboratory is fully equipped with state of the art instruments like Siemens Dimensions RXL Autoanalyzer, Mini - Vidas Hormone Analyzer, semi-Autoanalyzer, ABG analyzer, approximately, 1400 tests are run daily.

The UG Laboratory, Departmental Research laboratory, and the Central Research Laboratory, which are appared with sophisticated instruments like Thermo Cycler, Gel-doc System, ELISA plate reader etc.

The Departmental Library is provided with about 188 books by authors of repute.

MBBS, MD (Biochemistry) M.Sc. Medical Biochemistry, Ph.D., courses are being run under the aegis of Integral University.

Highlights of the major activities and achievements.

1. Organized CME and Workshop on 27th February 2025.
2. In Collaboration with 360 organized 4 days WORKSHOP ON ISO 15189:2022

# DEPARTMENT OF COMMUNITY MEDICINE

**Prof. (Dr.) Abha Chandra** : Dean

**Dr. Kuldeep Srivastava** : HoD

## **The Department of Community Medicine was established in 2013.**

**Vision:** To be a center of excellence in medical education, research and healthcare services, both at undergraduate and post graduate level. It would strive for achievement of academic excellence by educating and training health professionals who shall recognize health needs through continuous interactions and carry out professional obligations ethically and equitably and in keeping with national health policy

**Mission:** Department of Community Medicine will provide outstanding educational experience in course content of Community Medicine and Allied Health Sciences both at UG and PG level in a supportive environment of scholarship, research, integrity, critical thinking and self-directed learning. It will provide comprehensive, culturally sensitive, community oriented health care to community as a part of its outreach services.

## **Highlights of the major activities and achievements during the Academic Year 2023-(July 2023 to June 2024), in an abridged/crisp form.**

1. Value added course on RESEARCH METHODOLOGY Organized by Department of Community Medicine From 27th February to 02nd March 2024. at Integral Institute of Medical Sciences & Research, Integral University, Lucknow.
2. Health Awareness Session "Prevention of Fatty Liver" on 5th September 2023
3. CME on 'Ethical Framework for Health Research' organized by Department of Community Medicine, IIMSR on 7th February 2024.
4. Integral Institute of Medical Sciences and Research, Lucknow on the occasion of Worlds AIDS Day 1st December 2023, a CME was conducted by the Department of Microbiology in collaboration with the Department of Community Medicine and General Medicine.
5. The Department of Community Medicine, Integral Institute of Medical Sciences and Research, in the spirit of celebrating Filaria Elimination Programme, is organizing a health talk on 15th February 2024.
6. Health Awareness Session "Prevention of Fatty Liver" on 14th March 2024
7. The Department of Community Medicine, Integral Institute of Medical Sciences and Research, in the spirit of celebrating World Breastfeeding Week, is organizing a health talk on 02nd August 2023.
8. The Department of Community Medicine, Integral Institute of Medical Sciences and Research, celebrating Swachhata Hi Sewa on 1st October 2023.
9. The Department of Community Medicine, Integral Institute of Medical Sciences and Research, Participate in 4th Atal Swasthya Mela on 17 & 18 December 2023.
10. Guest Lecture, The Department of Community Medicine, Integral Institute of Medical Sciences and Research, in the spirit of celebrating "National Dengue Day" on 16th May 2024.
11. The Department of Community Medicine, Integral Institute of Medical Sciences and Research, in the spirit of celebrating World Health Day, is organizing a Quiz on 08th April 2024.
12. The Department of Community Medicine, Integral Institute of Medical Sciences and Research, in the spirit of celebrating World Malaria Day, is organizing a Health Talk on 25th April 2024.
13. Family Adoption Program for MBBS Students of Batch 2021, MBBS batch 2022 & MBBS Batch 2023.

## **A brief on Research projects being undertaken by department.**

1. The Family Adoption Program Experience: A Comparative Study between Phase I and Phase II Medical Undergraduates of North India

2. Assessment of knowledge, attitude and practice about immunization among health care workers and medical undergraduates of a medical college of Uttar Pradesh
3. Setting up Environmental Surveillance Platform for Testing SARS CoV-2.
4. Learning Drivers of Zero Dose Children in two Indian States: Through Clinton Foundation.
5. Deloitte Touche Tohmatsu India LLP
6. A Study to Improve Hospital Waste Management in a Tertiary Care Facility in Lucknow, A Comprehensive Quality Improvement Approach.
7. A Study on Utilization of Ayushman Bharat Pradhan Mantri Jan Arogya Yojana in Uttar Pradesh
8. NABH- "Evaluation of NABH Accreditation Impact at Integral Institute of Medical Sciences: A Comprehensive Assessment"

#### **World Health Days celebrated at RHTC, Sansarpur & UHTC Sarvodaya Nagar.**

- World Diabetes day
- World Malaria Day
- World Hypertension day
- Breast Feeding week
- World Health Day
- World Aids Day
- World TB day
- World Tuberculosis Day
- World Immunization Day

#### **Ongoing Activities on Rural and Urban Health Training Centers**

- School Health Program
- Outreach immunization biweekly basis
- Village Health camps
- Health education & checkup camps
- Household surveys
- Family Planning
- Immunization (Monthly)
- Pulse Polio Camp
- JECamp
- MMRcamp
- School Health Programme
- Family Welfare Program
- DOTS Centre
- Water Sampling

#### **On Going activities at UHTC**

1. School Health Camp: Health camp were conducted in various school in field practice area UHTC Sarvodaya Nagar. Total 01 camps conducted.
  - A. **Camp 3:** Date- 21/07/2023, Total beneficiaries= 27

**2. Immunization: Routine vaccination according to National Immunization Schedule is done every 3rd Wednesday each month.**

Total beneficiaries: Children=223, ANC=18

Activities related to Mission Indradhanush were also conducted in collaboration with CHC Indiranagar in the month of June 2024.

**3. Health Camps: Regular health Camps are conducted at the Centre**

**A. Diabetes Screening-** Regular diabetes screening camp is organized at the Centre. Following is the details of camps conducted:

**Camp 1** Date= 14/06/2023= 12 Beneficiaries

**Camp 2** Date= 29/09/2023= 15 beneficiaries

**Camp 3** Date= 21/12/2023= 20 beneficiaries

**Camp 1** Date= 06/05/2024= 15 Beneficiaries

**Camp 1** Date= 16/06/2024= 18 Beneficiaries

**B. Thyroid Camp-** Thyroid screening camps were organized in which T3, T4, & TSH estimation was done and counselling was done to the beneficiaries.

Following is the details of camps conducted:

**Camp 1:** Date=25/01/2024, = 14 beneficiaries,

General Health Camp: Done in the field practice area of UHTC Sarvodaynagar

**4. Health Days celebration:** Important health days are celebrated at the Centre on regular basis. Under this, activities like awareness regarding concerned health day, Health counselling, motivation, group discussion are done using audio-visual means.

**5. Family Welfare:** Activities like Family Planning Counselling, Free distribution of condoms and OCP are done on regular basis.

**6. DOTS center:** UHTC Sarvodaynagar also function as DOTS Centre in which activities like door-to-door identification of TB patients, Counselling of TB patients and treatment of patients is done in accordance with the guidelines of NTEP. Currently 16 patients are being treated under this at our center.

**7. MDA of DEC&ALBANDAZOLE:** Under National filaria control program now NVBDCP, mass drug administration of DEC, Albendazole and Ivermectin was done in the field practice area of UHTC Sarvodaynagar from 12/02/2024 to 28/02/2024. In this mass drug administration was done to around 1445 beneficiaries.

**8. LEPROSY CAMP:** Under National Leprosy elimination program UHTC Sarvodaya Nagar in collaboration with UCHC Indra Nagar organized a camp for case detection of Leprosy. It was organized from 21.01.2023 to 04.01.2024, Beneficiaries = 7788

**Participation of faculty in:-**

- a. Conferences/ Workshops/Webinars held abroad/
- b. International Conferences / Workshops/ Webinars held in India/
- c. National Conferences /Workshops - in the enclosed format.

# DEPARTMENT OF DENTISTRY

Prof. (Dr.) Abha Chandra : Dean

Dr. Divya Singh : HoD



The Department of Dentistry, IIMS&R, was started in year 2011. Since the genesis the department has been providing Expert and Quality care to patients. The Team comprises Professor, Associate Professor, Senior Resident and Junior Resident, Technician and Technical Assistant.

The department Practices specialized Dentistry in perfect Hygienic Environment, with 3 Fully Automatic chairs.

Specialized and advanced Instruments and Equipment include an Autoclave (for Instrument Sterilization), Airtors, Endomotor (Advanced R.C.T Equipment), RVG (Digital Xray), Magnification Loops, Optra Dam, Apex Locator, Advanced Endodontic and Restorative Materials, Prosthetic, Pediatric Materials.

Endodontic therapy/Surgeries, Pediatric Dentistry, Oral Surgical Procedures, Oral pathological, Screening, Screening of Pre- Cancerous Lesions, Biopsies, Cytology etc. are also carried.

The esteemed faculty are actively involved in Scientific Publications, and thus have numerous Publications in reputed Scientific Journals.

The motto is to treat every ailing smile with pure Compassion, Care and Expertise.

## Highlights of the major activities and achievements

- Regular counselling of patients for better oral hygiene methods and practices.
- A CME was Conducted on Lasers in dentistry: An innovative tool in modern dental Practice. The Session was Moderated by Dr. Divya Singh (Prof & Head), Department Of Dentistry.
- Regular academic activities like seminars, case presentation, etc were continued in this session.
- Regular offline Teaching in the form of Lectures and Clinical Postings for MBBS
- batches are conducted.

**A CME was conducted on the topic “Music Distraction: A Novel Approach in allaying Dental fear & Anxiety amongst paediatric Dental patients” 18/062025. The speaker was Dr. Divya singh, Prof. & Head Department of Dentistry.**



## DEPARTMENT OF OTORHINOLARYNGOLOGY (ENT)

Prof. (Dr.) Abha Chandra : Dean  
Dr. Ranveer Singh : HoD



On World Hearing Day Inter Quiz Competition "04 March 2025".



"Guest Lecture on "World No Tobacco Day" 28 MAY 2025"

From its inception in 2011, the ENT department of IIMS&R has grown from one faculty to full department. The faculty members look after OPD, OT and teaching work simultaneously. The department is now well equipped with high end instruments and equipment's for best diagnostic and therapeutic patient care and imparting knowledge to students with audio-visual aids.

The Department provides OPD services to assess hearing and vertigo with the help of following specialized tests- Audiometry, ABR, OAE, Impedance & VNG, Nasal disease assessment by Nasal endoscopies and assessment of voice disorders with the help of Laryngeal endoscopy and Stroboscopy. The Department also runs Specialized Clinics in Otology, Vertigo, Rhino logy and head & Neck Cancer screening.

The endoscopic and microscopic ear, nose and throat surgeries are being performed at the regular basis. The OPD strength has swelled up as a result and the ENT OPD outreach has extended from the city to adjoining districts. The department is being constantly upgraded to keep up with the state-of-the-art technology & clinical practices.

### Highlights of the major activities and achievements

- A CME-lecture was organized by department of ENT on 20th Nov 2024 on "Airway management in ENT". The lecture was delivered by Dr. Shweta, Senior Resident, Department of ENT, IIMSR Lucknow. It was moderated by Dr. Shubha Verma, Assistant Professor, Department of ENT IIMSR.
- A CME-lecture was organized by department of ENT on 19th March 2025 on "Common ENT problems in pediatric patients". The lecture was delivered by Dr. Falaq Faiyaz, Junior Resident-III, Department of ENT, IIMSR Lucknow. It was moderated by Dr. Jaya Gupta, Professor, Department of ENT IIMSR
- A Inter - college Quiz & guest lecture was organized by department of ENT on 05st March 2025 on the occasion of 'World Hearing Day' 'The lecture was delivered by Dr. Sumit Sharma, Head Department of ENT Dr. KNS Memorial Institute of Medical Sciences.
- A guest lecture was organized by department of ENT on 28st May 2025 on the occasion of 'World No-Tobacco Day' 'The lecture was delivered by Dr. HP Singh, Professor, Department of ENT KGMU, Lucknow.
- An educational skit was organized by department of ENT on 08th July 2025 on the occasion of 'World Allergy Day'. The educational skit was performed by MBBS students under the guidance of faculty of ENT department.

### A brief on Research projects being undertaken by department.

S.No.	Research Topic	Investigator
1.	A Clinical study of different causes and quality of life in unilateral sensorineural hearing loss.	Dr Falaq Faiyaz
2.	Clinic pathological study of clinically diagnosed potentially malignant and malignant lesions in oral cavity in tertiary care hospital of Lucknow	Dr. Ayaan Ali
3.	Correlation of hearing loss with the size of Tympanic membrane preformation and its clinical outcome	Dr. Afzal Hussain
4.	Comparative evaluation of combination Therapy of Triamcinolone & Hyaluronidase with Platelet Rich Plasma (PRP) & Platelet Rich Fibrin (PRF) in management of Oral Submucous Fibrosis (OSMF)	Dr. Shubha Verma
5.	Bleomycin Sclerotherapy in Young adult females with neck Lymphangioma- A case series	Dr. Pankaj Kumar Verma

# DEPARTMENT OF FORENSIC MEDICINE & TOXICOLOGY

Prof. (Dr.) Abha Chandra : Dean

Prof. (Dr) Nasim Akhtar : HoD



- Department of Forensic Medicine & Toxicology was established as a part of IIMSR in the year 2013. Located on the Fourth Floor, of Phase II, IIMSR
- First batch of 100 MBBS students came to the Department in September 2014
- Since its inception the department has maintained a high standard of academic excellence.

## Highlights of the major activities and achievements

1. CME on the topic of "Professional Secrecy in Patient" on 05.07.2023
2. Value Added Course on Medical Ethics from 27.05.2024 to 03.06.2024

## DEPARTMENT OF GENERAL MEDICINE

**Prof. (Dr.) Abha Chandra** : Dean

**Dr. Vishal Parmar** : HoD

Department of Medicine came into inception in 2013 when first inspection for 100 students at IIMSR was done by MCI on 5th Apr. 2013.

The department conducts separate specialist OPD for Nephrology, Endocrinology, Hypertension, Rheumatology and Neurology clinics. Cardiology section has facilities of TMT/Echo & ECG faculty and Nephrology unit has 3 Dialysis units. Two Dieticians are available in the department which look after the needs of OPD & indoor patients.

The indoor beds have increased from 120 to 230 with separate ICCU & MICU units & HDU.

The faculty members comprise of 5 Professors, 3 Associate Professor and 10 Assistant Professors along with 7 Senior Resident, 12 Academic JRs who look after the teaching of the students. The Department is expecting an increase in the number of seats of UG & PG seats.

### A brief on Research Projects being undertaken by department.

#### (a) Research projects for MD (General Medicine) Thesis

Batch-2021 (Completed)				
S. No.	Student Name	Project Duration	Supervisor	Research Topic
1	DR.V.V.S.SANDEEP	2 years	(Prof.) Dr. Vishal Parmar	EFFECT OF DAPAGLIFLOZIN AS FOURTH DRUG IN TYPE II DIABETES MELLITUS PATIENTS WITH POORLY CONTROLLED GLYCEMIC STATUS ON TRIPLE DRUG THERAPY
2	DR.ANSHULYADAV	2 years	(Prof.) Dr. R.K Khare	A STUDY ON VITAMIN B12 DEFICIENCY IN NON VEGETARIAN DIABETIC PATIENTS, ON LONG TERM METFORMIN THERAPY AT A TERTIARY CARE CENTRE.
3	DR.RAHIL AHMAD	2 years	(Prof.) Dr. Vivek Katiyar	A STUDY OF GLYCOSYLATED HAEMOGLOBIN (HbA1C) LEVELS IN NONDIABETIC PATIENTS WITH HYPOTHYROIDISM CHIEF INVESTIGATOR
4	DR.NIDA KHAN	2 years	(Prof.) Dr. Shweta Agarwal	STUDY OF THYROID PROFILE AND ITS DETERMINANTS IN PATIENTS OF RHEUMATOID ARTHRITIS
Batch - 2022 (On going)				
S. No.	Student Name	Project Duration	Supervisor	Research Topic
1	DR.OVAIS ALI KHAN	2 years	(Prof.) Dr. Vishal Parmar	A COMPARATIVE STUDY OF DYSLIPIDEMIA IN TYPE 2 DIABETES MELLITUS PATIENTS WITH AND WITHOUT HYPERTENSION.
2	DR.SACHIN JAISWAL	2 years	(Prof.) Dr. R.K. Khare	CRP TO ALBUMIN RATIO AS PROGNOSTIC FACTOR IN HOSPITALIZED ELDERLY PATIENTS WITH COMMUNITY ACQUIRED PNEUMONIA AT TERTIARY CARE INSTITUTE OF NORTHERN INDIA
3	DR.PRATEEK AGARWAL	2 years	(Prof.) Dr. Vivek Katiyar	EFFECT OF TYPE 2 DIABETES MELLITUS ON THE PULMONARY FUNCTIONS OF THE PATIENT AND THEIR ASSOCIATION WITH GLYCEMIC CONTROL AT TERTIARY CARE INSTITUTE OF NORTHERN INDIA

4	DR.MUJAMMIL	2 years	(Prof.) Dr. Shweta Agarwal	A STUDY OF CORRELATION OF NEUTROPHIL LYMPHOCYTE RATIO, PLATELET - LYMPHOCYTE RATIO AND LYMPHOCYTE - MONOCYTE RATIO WITH DISEASE ACTIVITY IN PATIENTS OF RHEUMATOID ARTHRITIS
<b>Batch - 2023 (On going)</b>				
1	DR.VAIBHAV S KAWANPURE	2 years	(Prof.) Dr. Vishal Parmar	ASSOCIATION OF TRIGLYCERIDE GLUCOSE INDEX IN PATIENT WITH NEWLY DIAGNOSED HYPERTENSION WITH OR WITHOUT TYPE 2 DIABETES MELLITUS IN TERTIARY HEALTH CARE CENTRE OF NORTHERN INDIA
2	DR.MD GAZI MD SHAIKH	2 years	(Prof.) Dr RK Khare	ROLE OF DECAF SCORE IN PREDICTING IN HOSPITAL MORTALITY IN ACUTE EXACERBATION OF COPD
3	DR.GIRISH THAWANI	2 years	(Prof.) Dr. Vivek Katiyar	THE EVALUATE THE ASSOCIATION OF RDW WITH THE POOR GLYCEMIC CONTROL IN THE PATIENTS WITH TYPE 2 DIABETES MELLITUS.
4	DR.BASIT MASOOD DEV	2 years	(Prof.) Dr. Shweta Agarwal	ASSOCIATION OF OSTEOARTHRITIS KNEE AND OSTEOARTHRITIS HAND WITH METABOLIC SYNDROME
<b>Batch - 2024 (On going)</b>				
1	Dr. Siddharth Sharma	2 years	(Prof.) Dr. Vishal Parmar	STUDY OF ASSOCIATION OF SERUM VITAMIN D LEVEL WITH DISEASE SEVERITY AND PULMONARY FUNCTION TESTS IN PATIENTS WITH CHRONIC OBSTRUCTIVE PULMONARY DISEASE AT A TERTIARY CARE CENTRE OF NORTHERN INDIA
2	Dr. Patel Kirmi Shailesh kumar	2 years	(Prof.) Dr. R.K. Khare	A STUDY OF G6PD DEFICIENCY IN FEBRILE PATIENTS ATTENDING A TERTIARY CARE HOSPITAL WITH SPECIAL REFERENCE TO PLASMODIUM VIVAX MALARIA
3	Dr. Mohammed Farooq Azam	2 years	(Prof.) Dr. Vivek Katiyar	PREVALENCE OF MICROALBUMINURIA IN NEWLY DIAGNOSED DIABETES MELLITUS
4	DR. Gagan Mo Adil	2 years	(Prof.) Dr . Shweta Agarwal	ROLE OF SPIROMETRY IN THE EVALUATION OF LUNG INVOLVEMENT IN NON SMOKER RHEUMATOID ARTHRITIS PATIENTS

#### Number of invited Lectures/Plenary Lectures organized by the department

SL.	Guest Lecture	Name
1	Occasion the of World Asthma Day	Dr. Shubham Agarwal, (MD,DM -Respiratory and Sleep Medicine), AIIMS

#### No. of students qualifying in state/national/international level examinations.

SL.	Name	Course	College
1	Dr. Anshul Yadav	DM, Gastroenterology	Guru Ram Rai Medical College & Hospital, Dehradun
2	Dr. Rahil Ahmad	DM, Neurology	Himalayan Institute of Medical Sciences , Dehradun
3	Dr. V.V.S. Sandeep	DM, Cardiology	GSL Medical College , Rajahmundry, Andhra Pradesh

## DEPARTMENT OF GENERAL SURGERY

**Prof. (Dr.) Abha Chandra** : Dean

**Prof. (Dr.) Pankaj Kumar** : HoD

Department of General Surgery, IIMSR, provides expert General Surgery care to the patients at the hospital which starts from evaluating patients right from emergency and OPD, admissions if needed, their regular monitoring in wards with daily rounds, operating on them if indicated with comprehensive post op care.

The department has grown dramatically over the past few years. Volume of cases has gone up. There are five General Surgery Units with a total of 200 beds including a High dependency unit of 30 beds. We have fully dedicated three General Surgery and two Specialty Modular OT (Pediatric Surgery, Neurosurgery, Plastic Surgery Urology and CTVS) of NABH standards, performing on an average 8-10 cases per day. We have operated difficult emergency laparotomies, In the modern scenario, there has been a trend in super specialization in General Surgery so subsequently we have established various subspecialty clinics like Minimal Invasive Surgery, Proctology, Breast clinic, Surgical oncology. We have recently started modern surgeries like laser fulguration in Hemorrhoids and fistulas, stapler hemorrhoidectomy and Endovascular Laser ablation (EVLA) for Varicose veins..

Laparoscopic surgeries for Gall bladder, appendix, hernias, adhesions, ovarian cystectomies etc are being carried out routinely by all the units.

Endoscopies (Upper and Lower GI) are being performed routinely in Endoscopy Room in the OPD.

Our Dean and Professor Dr. Abha Chandra, MCh, CTVS has conducted successful lifesaving vascular surgeries.

Also, children with complex congenital malformations and diseases like ano rectal malformations, neonatal intestinal obstruction, sacro coccygeal teratoma, cleft lip, palate and Spina bifida are being operated with excellent results.

Plastic Surgery unit under Dr. Faisal Moin Ansari MS, MCh (Assistant Professor) is doing wonderful work and operating upon cases of contractures and defects by flaps and grafts, Breast reconstruction, tendon transfer/ repair in accidental cases along with routine cases like scar revision, skin grafts, cosmetic Surgery etc.

Urology Unit under Dr. Anubhav Raj (Associate Professor) and Dr. Zaid Ahmad Khan (Assistant Professor) are doing exemplary work and procedures like URS, PCNL, for stone disease, management of urethral

strictures, BOO, obstructive Uropathy, TURP, TURBT, Hematuria, Chyluria, VUR, Nephrectomies, other Lap procedures are being done routinely.

In the modern scenario, there has been a trend in specialization in General Surgery so subsequently we have established various subspecialty clinics like Minimal Invasive Surgery, Proctology, Breast clinic, Surgical oncology.

Endoscopies (Upper and Lower GI) are being performed routinely in Endoscopy Room in the OPD.

Dr. Ashutosh Gupta, Professor, oversees the Endoscopy unit.

The department has the work force with five very senior Professors, two Associate Professors, Five Assistant Professors, six Senior Residents and Six Academic Junior Resident 1 and four Non-Academic Junior Residents. for providing 24 x 365 General Surgery coverage to our patients. Overall, there are five Units in the department. Regular seminars for Post graduate students include case presentations, topic presentations and Journal club etc are conducted regularly five days a week and attended by all faculty members and residents. Clinical teaching of MBBS students is being conducted regularly between 9AM to 12 noon and students are also made to attend the skill Lab, Evening ward teaching by residents has been made mandatory to improve the clinical skills of the students on Wednesdays and Thursdays. Round-the-clock emergency schedule for residents is being followed strictly with Prof. Pankaj Kumar at the helm, there is an all-round improvement in clinical as well as in administration. Lot of importance has been given by Prof. Pankaj Kumar towards improvement in quality of care being given to the patients including OPD and IPD. Various minor procedures, viz. Catheterization, I & D,

etc are being routinely done on an OPD basis.

Special emphasis is being given on morning rounds and once a week there is a schedule for combined Grand rounds for all the units by the HOD.

Early clinical exposure classes (a part of CBME and NMC Curriculum) for phase 1 (first professional) students are being organized to emphasize importance of applied anatomy in clinical practice and also to create interest amongst students.

Disposal of all administrative work on a daily basis is monitored by HOD himself and it is ensured that none of the work is pending. All examinations (including terminal, final, ward leaving exams etc.) have been conducted smoothly and the teaching schedule is being followed as per schedule.

### Highlights of the major activities and achievements

- The Medical Equipment and Hospital Planning Division Council of BIS, Ministry of consumer affairs, Food and Public Distribution, Govt. of India, New Delhi had appointed Dr. (Prof.) Abha Chandra cardiovascular & thoracic surgeon & Dean as the chairperson of medical & surgical cardiology sectional committee (MHD 06) w.e.f May 2025.
- Dr. (Prof.) Abha Chandra Maam was also felicitated at the 4th International conference on cardiology held during November 28-29, 2024, at Bangkok, Thailand for her outstanding contributions and dedication towards the surgical education in cardiology.
- Dr. (Prof.) Abha Chandra Maam was also delivered a guest lecture "Is it so much beneficial To Repair Moderate Tricuspid Regurgitation concomitantly in Chronic Rheumatic Left Heart Valvular Disease? A Prospective Randomized Study" held during November 28-29, 2024 at Bangkok, Thailand.
- Dr. (Prof.) Abha Chandra Maam was "Experience as the First Resident in CVTS At SGPGIMS" at the annual meeting of the Alumini of the Department of CVTS at SGPGIMS, July 2024.
- Dr. (Prof.) Abha Chandra Maam was attended "Role of Mediastinoscopy in the ERA of EBUS / EUS" at the annual conference of the ATVSI (ASICON) 2024 August at Indore.
- Dr. (Prof.) Abha Chandra Maam was attended "Management of Bronchiectasis" at the 84th Annual Conference of the Association of Surgeons of India held between 11-14, December 2024.
- Dr. (Prof.) Abha Chandra Maam was attended "Minimally Invasive Heart Surgery: Advantages & Disadvantages" at the Mid Term meeting of SMICTSI 2025 as panel discussion on 11th and 12th January by the Department of Cardiovascular and Thoracic surgery, Sanjay Gandhi Post graduate Institute of Medical Sciences, Lucknow.
- Dr. (Prof.) Abha Chandra Maam was attended "Is it so much beneficial To Repair Moderate Tricuspid Regurgitation concomitantly in Chronic Rheumatic Left Heart Valvular Disease? A Prospective Randomized Study." 10-11, May 2025, IACTS Techno college CME 25, Dr. RMLIMS, Lucknow.
- Dr. (Prof.) Abha Chandra Maam Continue to be Member on the Specialists Board. in speciality of Cardio Thoracic Surgery since December 5, 2018. at the National Board of examinations, New Delhi.
- Dr. (Prof.) Abha Chandra Maam is Reviewer for 8 International journals including Asian Cardiovascular and Thoracic Annals, Asian Cardiovascular and Thoracic Annals, and
- Sectional Editor and Reviewer for Indian Journal of Cardiovascular and Thoracic surgery.
- Dr. (Prof.) Abha Chandra Maam is Academic Book Editor for BP International,
- Dr. (Prof.) Abha Chandra Maam is Academic Editor of Asian Journal of Cardiology Research.
- Dr. (Prof.) Abha Chandra Maam is Academic Editor for science domain International.
- Dr. (Prof.) Abha Chandra Maam is Academic Editor of Asian Journal of Research in cardiovascular Disease.
- Dr. (Prof.) Abha Chandra Maam International Journal of medical Sciences and Health Research.

- Our head of the department Dr. (Prof.) Pankaj Kumar delivered a talk on world cancer day on 08 Feb 2025 organized by Department of Biosciences, Integral University
- Fourth Batch of PG student Dr. Rahul Jaiswal & Dr. Mohammad Mazin Khan joined as JR-1 (Session 2024-2025)
- Regular academic activities like seminar presentation, case presentation, guest lectures, journal club etc are being held.
- Surgery classes for MBBS 2021, 2022, 2023 & 2024 are undertaken as scheduled as prescribed by the NMC.

**A brief on Research Projects being undertaken by department.**

<b>Dr. Jijo George</b>	Submitted	PG Thesis Topic
<b>Dr. Aamir Khan</b>	Submitted	
<b>Dr. Ayushm Pandey</b>	On Going	
<b>Dr. Khalid Anwar</b>	On Going	
<b>Dr. Rahul Jaiswal</b>	On Going	
<b>Dr. Mohd Mazin Khan</b>	On Going	

# DEPARTMENT OF MICROBIOLOGY

**Prof. (Dr.) Abha Chandra** : Dean

**Prof. (Dr.) Sana Jamali (MBBS, M.D)** : HoD

The department was established in 2013. Over time, it has expanded into a comprehensive facility offering advanced microbiological diagnostics, including automation and molecular testing in the domains of Bacteriology, Mycobacteriology, Mycology, Immunology, Parasitology, and Virology. The department also actively contributes to teaching and research." The Department has successfully started MD in Microbiology since May 2021.

Department plays an active part in Hospital Infection Surveillance by conducting surveillance of various OTs, ICUs and Labour rooms. Hand Hygiene programs and Biomedical Waste management training for Doctors & staff is also being done from time to time.

It actively participates in Integrated Disease Surveillance programme (IDSP) and gives weekly updated reports of Dengue, Typhoid and Malaria being tested in our labs.

Laboratory Facilities offered by Department includes:

## **Bacteriology Lab**

Bacteriology Lab has facilities for isolation and identification of various pathogenic bacteria and determining their antimicrobial susceptibility. It has automated continuous monitoring system of blood & body fluid culture for growth of aerobic and anaerobic bacteria.

## **Serology Lab**

Serology Lab has latex agglutination tests for ASO, CRP and Rheumatoid factor. It has also serological tests available for enteric fever (WIDAL and rapid cards test), leptospira and syphilis (RPR).

## **Virology Lab**

It has rapid card tests for HIV, HBsAg, HCV, Dengue and Rapid antigen test for COVID-19.

## **Immunology Lab**

It has facility for ELISA testing for Hepatitis B & C. Complete TORCH profile, Dengue NS1Ag and IgMab ELISA are also available. Epidemiological screening for Tuberculosis infection by Mantoux test (PPD) is also done.

## **Mycobacteriology Lab**

Mycobacteriology lab has facility for AFB staining and skin split smear for lepra bacilli.

## **Parasitology Lab**

Identification of blood and enteric parasites is available including staining of blood films for Malaria, Microfilaria, Quantitative Buffer Coat (QBC) and rapid tests for antigen detection of Malaria test. Routine microscopy of stool samples for trophozoite, ova & cyst of enteric parasites and Occult blood in stool samples is also being tested routinely.

## **Mycology Lab**

Routine culture and identification of fungi by KOH mount, LCB mount and susceptibility testing of yeasts is available.

## **Molecular Lab (BSL-2 Lab)**

We have an ICMR approved BSL-2 lab which is NABL certified and fully functional since October 2020 to support COVID diagnostics by performing RT-PCR round the clock. Recently Truenat testing for COVID-19 has been started alongwith HPV DNA, HBV DNA, HCV Genotyping RT-PCR testing.

## **Highlights of the major activities and achievements**

- Faculty is imparting MBBS teaching on latest NMC guidelines incorporating SGL, DOAP, SDL, Vertical & Horizontal teaching modules and Pandemic modules.
- Department is actively involved in the PG teaching, training and evaluation of batch - 2022, 2023 & 2024.
- Department organized a International Infection Prevention Week from 13 to 19.10.2024.
- Department organized a World Antimicrobial Resistance Awareness Week from 18 to 24.11.2024.
- Organized a Value Added Courses on Hospital Infection Control & Antimicrobial Stewardship from 25 to 30.11.2024.
- Organized a CPC on Ventilator Associated Pneumonia on 04/12/2024.
- Organized a CPC on Candidemia on 26.03.2025.
- Organized a World Malaria Day on 25.04.2025.
- Organised series of lectures for Nursing staff, Post Graduate, Senior residents on 05th May, 2025 on the occasion of "World Hand Hygiene Day".
- The Department actively participated in NABH accreditation, NABL Desktop surveillance of Molecular Lab, IIMSR, NAAC accreditation during the year 2024-2025
- Photographs indicating the highlights of the activities mentioned below-

#### Research MD - Microbiology (Batch -2022, 2023 & 2024) -

S.NO.	Name Of Student	Research Topic
1	Dr. Jahnvi Agarwal	Microbiological Profile of Uropathogens Isolated from Catheter Associated Urinary Tract Infection (CAUTI) in Intensive Care Units of Tertiary Care Hospital, Lucknow.
2	Dr. Shubhra Singh	Prevalence of catheter related blood stream infections along with genotypic profile of drug resistant isolates among Intensive care unit patients in Tertiary care centre, Lucknow.
3	Dr. Amritesh Srivastava	Phenotypic and Molecular Detection of Metallo- $\beta$ -Lactamases in Carbapenem Resistant Pseudomonas Aeruginosa Isolates from Various Clinical Samples at a Tertiary Care Institute in Northern India.
4	Dr. Abhinav Gautam	Phenotypic & Genotypic assessment of Carbapenem & Colistin resistance pattern in Enterobacterales isolated at Tertiary care center, Lucknow.
5	Dr. Avikash Kumar Jaiswal	Detection and characterization of bacterial biofilm associated with infection in orthopaedic implants
6	Dr. Malik Mohd. Yusuf	Distribution of Candida Species in different clinical samples and their virulence: A prospective study on Hospitalized patients
7	Dr. Mahnoor Manzoor	Comparative analysis of Rheumatoid factor and ANTI-CCP as a diagnostic biomarker in Rheumatoid Arthritis
8	Dr. Musharraf	A study to determine enterococcal species causing UTI and their antibiotic susceptibility profile in a tertiary care centre in Lucknow
9	Dr. Mehvish	A study to determine the prevalence of skin prick test to Aspergillus fumigatus antigen in asthmatic and allergic rhinitis patients presenting at a tertiary healthcare centre.

# DEPARTMENT OF OBSTETRICS & GYNAECOLOGY

**Prof. (Dr.) Abha Chandra** : Dean

**Dr. Shweta Singh** : HoD

The department of Obstetrics & Gynaecology, Integral Institute of Medical Sciences & Research is a dedicated team of accomplished Faculty, residents and non-teaching staff who have put tremendous efforts to add feather in the glamorous cap of this prestigious Integral University.

The Department was established in 2011 to offer comprehensive maternity services and gynecological care to women with emphasis on quality and affordable patient care. It is completing 13th year of establishment and is now a full-fledged Teaching and Research Department, with Undergraduate and Post graduate teaching programs to promote quality medical education and produce competent health care professionals. The undergraduate course was started from 2013 and post graduate course from 2020.

The department is committed to provide the highest quality of patient services to both rural and urban population of Uttar Pradesh. All the faculty are actively participating in faculty development program and updating their skills periodically. Regular health camps are conducted for health education of health care providers and general population. We are committed to create qualified and skilled undergraduate, postgraduate students as per the National Medical Commission and Competency based Undergraduate Medical Education Curriculum 2019 Guidelines.

The department has world class infrastructure and are committed to deliver high quality health care to patients. It is its priority to maintain world class standard of education and training for students.

## Highlights of the major activities and achievements

1. Pre-Conception and Pre-natal Diagnostic Techniques ( 11/12/24)
2. World Health Day( 04/04/2025)
3. Modern Approach in management of Iron deficiency anemia-role of FCM (08 May 2025)
4. Work Shop on Suture knotting (13-06-2025)

## A brief on Research projects being undertaken by department.

### Dr. Poonam Yadav (PG-JR-3)

Topic : To compare the efficacy & safety of sublingual vs vaginal mlsoprostol for induction of labour in term pregnancy.

Guide: Dr Keerti Singh (Associate Professor- OBG)

Co-Guide: Dr. Sonali Sharma (Assistant Professor-OBG)

### Dr. Syeda Ansa Nasir (PG-JR-3)

Topic to study correlation between tvs and endometrial biopsy in women presenting with AUB

Guide : Dr.Shweta Singh (Prof.& HOD OBG)

Co-Guide: Dr. Priyanka (Professor & Head-Pathology)

Co-Guide: Dr. Kusumlata (Professor Dept. of OBG)

### Dr. Nitya Singh (PG-JR-2)

Topic: Prevalence and Cause of Pelvic Pathologies in Patients of Female Infertility using Diagnostic Laproscopy in a Tertiary Care Hospital of North India. A Cross Sectional Study.

Guide: Dr. Somya Singh (Professor-OBG)

Co-Guide: Dr. Keerti Singh (Associate Professor)

Co-Guide: Dr. Fiza Mustaqeem (-Pathology)

Dr. Adity (Assistant Professor-Community Medicine)

**Dr. Sana Ahmad (PG-JR-2)**

Topic - to study the effectiveness of tranexamic acid in reduction of incidence of postpartum hemorrhage

Guide- Dr. Kusumlata (Associate Professor- OBG)

Co-Guide-Dr. Suraiya Khanam (Associate Professor- OBG)

Dr. Priyanka (Professor & Head-Pathology)

**Dr. Sadiya Mirza (PG-JR-1)**

Topic - Comparison of Transvaginal sonography, Hysterosalpingography and Combined laprohysteroscopy for the evaluation of infertility

Guide: Dr Shweta Singh (Professor & HOD in Dept Of Obs & Gynaecology)

Co-Guide: Dr Mahvish Shafiq (Assistant Professor in Dept Of Obs & Gynaecology)

Co-Guide: Dr Ganesh Kumar (Professor & HOD in Dept Of Radiology)

**Dr. Jaya Sinha (PG-JR-1)**

Topic - Correlation of Interdelivery Interval with adhesion severity and its impact on maternal and neonatal outcome following previous cesarean section

Guide: Dr Keerti Singh (Asso. Professor in Dept of Obs & Gynaecology)

Co-Guide: Dr Kulsoom (Asst. Professor Of Obs & Gynaecology)

Co-Guide: Dr Shruti (Assistant Professor in Dept Of Pediasitric)

**Dr. Saraswati Mishra (PG-JR-1)**

To evaluate the correlation between clinical symptoms, ultrasonographic & histopathological findings in patients with Abnormal Uterine Bleeding undergoing hysterectomy

Guide - Dr.Somya Singh(Professor Dept. of OBGYN)

CO-Guide - Dr.Sonali Sharma(Assistant Professor Dept. of OBGYN)

CO-Guide - Dr. Syed Fiza Mustaqueem (Professor Dept. of Pathology)

Co-Guide - Dr. Sadaf Sultana (Assistant professor Department of Radiology)

**Dr. Neha Khursheed (PG-JR-1)**

“Pattern of Etiological Factors in Infertility: A Hospital-Based Study at a tertiary care centre of Lucknow”

Guide: Dr Kusum Lata (Asso. Professor in Dept Of Obs n Gynaecology)

Co-Guide: Dr Shahina Perween ( SR in Dept Of Obs n Gynaecology)

Co-Guide: Dr Nadeem Akram ( Assistant Professor in Dept Of General Surgery)

**Dr. Reeda Shaikh (PG-JR-1)**

Comparison Of Lipid Profile Of Normoglycemic Pregnant Women and Gestational Diabetic Women and Its Effects on Fetomaternal Outcome

Chief Guide: Dr Shweta Singh (Professor Obgyn dept)

Co Guide: Dr Suraiya Khanam (Associate Professor Obgyn dept)

Co Guide: Dr Aysha Parveen (Assistant Professsor Dept. of Medicine)

Co Guide: Dr Roshan Alam (Prof.& HOD Dept. of Biochemistry)

Co Guide: Dr Thakur Vikrant Anand (Professor Dept. of Pediatrics)

**Dr. Rabia Kamal (PG-JR-1)**

Study on Correlation of maternal and fetal outcome in pregnancy with Serum Bile Acid Levels and liver pregnancy complicated with intrahepatic Cholestasis of pregnancy

Chief Guide: Dr Somya Singh (Professor Obgyn dept)

Co Guide: Dr Nazia Nesar (Associate Professor Obgyn dept)

Co Guide: Dr Thakur Vikrant Anand (Professor paediatrics dept)

Co Guide: Dr Furquan Alam (Associate professor biochemistry dept)

SN	Month (Year)	Topic Of Lecture	Speaker
1.	July (202 4)	Breast Cancer	Dr Samra (Prof, Dept of Surgery)
2.	August (20 24)	Recent update in minimal invasive Surgery	Dr Somya Singh (Prof. Dept of OBG)
3.	September (202 4)	Calposcopy Cryotherapy	Dr. Renu Garg (Dept of OBG )
4.	October (202 4)	Anaesthetic Complications during Obstetrics Practice	Dr K.K Khan (Dept. of Anaesthesia )
5.	November (202 4)	Role of Life Style Modification in PCOD	Dr Manyata (Dept of OBG )
6.	December(202 4)	Vasomotor symptoms and Genitourinary syndrome of menopause	Dr Kusum lata (AP, Dept of OBG)
7.	January (202 5)	Placental Growth factor and Pre -eclampsia Ratio - A determinant of maternal and fetal outcomes	Dr Durga (AP, Dept. of OBG )
8.	February (202 5)	Bladder Sling Surgery	Dr Nadeem Akram (Professor, Dept of Urology)
9.	March (202 5)	First Trimester UltraSound in Obstetrics & Gynaecology	Dr Ganesh (Dept of Radiology)
10.	April (202 5)	Management of Acute Pancreatitis in pregnancy	Dr Gyaan (Dept. of Surgery )
11.	May (202 5)	Guest Lecture on Multifetal reduction and ethical dilemmas	
12.	June (2025)	Guest Lecture on basic concepts of Advance Clinical Management	Dr Monica , (Dept. Of OBG )

### Number of awards received by department.

Dr. Somya Singh Professor Obs & Gyn.

1. Membership of royal college of Obs & Gyn UK (October 2024)
2. CIMP Credentialed IMS Menopause Practitioner (Feb. 2025)

Dr. Sana Ahmad (PG Junior Resident)

1. Consolation prize in paper presentation (FOGSI NATIONAL CONFERENCE WWNATCON 2024)  
Topic - comparison between first and second trimester abortions in india

### First prize in poster presentation ( NATIONAL CONFERENCE OF OBGY ENDOCRINOLOGY AND REPRODUCTIVE MEDICINE) Theme- Reproductive endocrinology

Dr. Syeda Ansa

### First prize in paper presentation (NATIONAL CONFERENCE OF OBGY ENDOCRINOLOGY AND REPRODUCTIVE MEDICINE) Topic to study correlation between tvs and endometrial biopsy in women presenting with AUB

## DEPARTMENT OF OPHTHALMOLOGY

Prof. (Dr.) Abha Chandra : Dean

Dr. Rubie Malhotra : HoD



Camp activity on the occasion of 'Dry Eye Awareness' held on 23.07.2024

Inception of eye department, IIMSR, goes back to March 2011. It started as an OPD centre with basic eye care services & surgeries for cataract & lid being performed in Eye OT. Gradually over the years with the progress of institute now the eye department can boast of being fully equipped with most advanced technologies for both diagnostic as well as therapeutic (Medical & Surgical) management of patients. The OPD with all modern facilities is being attended by an average of about 100-120 patients everyday with about 2000 surgeries being done annually. Our OPD and speciality clinics are equipped with latest investigative tools like AR, Specular Microscope, Pachymeter, HFA, OCT, IOL Master, perimeter and lasers for anterior and posterior segment which aid in accurate diagnosis and timely management of common clinical conditions like refractive error, cataract, and glaucoma & retinal disorders.

All basic as well as advanced anterior and posterior segment surgeries are being routinely performed by our skilled team of eye surgeons. We also boast of having an independent modular OT dedicated to eye department where all latest surgeries including refractive surgeries are being routinely done. Treatment of cataract is being done by most advanced technique of Phaco emulsification under topical anesthesia with all types of advanced IOLs (toric, trifocal & multifocal) being implanted. Various other surgeries including oculoplasty, keratoplasty, squint, and glaucoma & retinal procedures are also being routinely performed. New Facilities Added for Patient Care include therapeutic Keratoplasty in addition to optical keratoplasty.

Teaching as well as imparting knowledge and clinical skill and surgical training to MBBS, Allied sciences (Optometry, Physiotherapy) and Post graduate students which is hallmark of any teaching institute is being routinely carried out by eminent & learned team of faculty members of department. This helps students not only in academic proficiency but enable them to diagnose & treat ocular ailments.

All the faculty members are trained in Basic course in medical education (BCME) to conduct under graduate and post graduate classes by different teaching learning methodologies as specified in the NMC UG MER and PG MER guidelines.

### Highlights of the major activities and achievements

**Organized a guest lecture and IOL hands on workshop, to celebrate Health Aging Month, September 2024.**

**Guest Speakers and Trainers:**

- A. Dr. Vikas Kanaujia  
(HOD, Dept of Ophthalmology, SGPGI, Lucknow)
- B. Dr. Prasoon Pandey  
(Director- Trinetra Advanced Eye Care)  
Participants: Faculty, SR, JR, Ophthalmology, IIMSR, JR, T.S. Mishra Medical College,  
Career Institute of Medical Sciences and ERA'S Medical College, Lucknow.

**Guest Lecture and Workshop on Retinopathy of Prematurity conducted by Department of Ophthalmology & Pediatrics, IIMSR in Association with Dept of Ophthalmology, EMLC&H.****Speakers and Trainers:**

- A. Dr. Luxmi Singh (Prof. & HoD, Ophthalmology, ELMC&H, Lucknow)
- B. Dr. Gaurav Kohli, (Assoc. Prof, Ophthalmology, ELMC&H, Lucknow)  
Participants: Residents, Ophthalmology & Pediatrics Departments, IIMSR & Department of Ophthalmology, ELMC&H, Lucknow

**ACADEMIC ACTIVITIES:**

Joining of 2 post graduates in September 2024 (MS Ophthalmology - Batch 2024) in the eye department.

**A brief on completed and approved Research Projects by department.:**

Sl.	Student Name	Project Duration	Supervisor	Research Topic	Status
1.	Dr. Chetna Gulati	18 Months	Dr. Rubie Malhotra / Co. Supervisor Dr. Mohd Mobin Dr. Pooja Kanodia Dr. Syed Fiza Mustaqueem	Correlation of tear film function test and conjunctival impression cytology to evaluate dry eyes in primary open angle glaucoma cases.	Completed
2.	Dr. Rizwana Khatoon	18 Months	Dr. Rubie Malhotra Co. Spervisor Dr. Mohd Mobin Dr. Pooja Kanodia	Rate of occurrence of refractive status and ocular biometric parameters in students in North Indian University.	

**List of Research Projects being undertaken by department:**

Batch - 2022					
Sl.	Student Name	Project Duration	Supervisor & Co Supervisor	Research Topic	
1.	Dr. Paridhi	18 Months	Dr. Rubie Malhotra Co- Supervisor Dr. Mohd Mobin Dr. Pooja Kanodia Dr. Khalida Sayeed	Comparison of conjunctival autograft and topical mitomycin C application in primary pterygium surgery for prevention of recurrence	Completed
2.	Dr. Saif Alam	18 Months	Dr. Rubie Malhotra Co- Supervisor Dr. Pooja Kanodia Dr. S.M. Akram	Macular thickness changes following phacoemulsification in diabetic and non diabetic patients- an oct guided tertiary care centre study.	

Batch - 2023					
Sl.	Student Name	Project Duration	Supervisor & Co - Supervisor	Research Topic	
1.	Dr. Mobassir Ahamad	18 Months	Dr. Rubie Malhotra Co- Supervisor Dr. Mohd Mobin Dr. S.M. Akram Dr. Khalida Sayeed	Effect of Nd-Yag laser capsulotomy on corneal Endothelium cell count and corneal thickness in patients of type 2 Diabetes - A case control study	Ongoing
2.	Dr. Sarab Chhabra	18 Months	Dr. Rubie Malhotra Co- Supervisor Dr. S.M. Akram Dr. Khalida Sayeed	Ocular Surface Profile Of Post Menopausal Females - A Cross Sectional Study In A Tertiary Care Centre	

Batch - 2024					
Sl.	Student Name	Project Duration	Supervisor	Research Topic	
1.	Dr. Anubhuti	18 Months	Dr. S.M. Akram / Co. Supervisor Dr. Rubie Malhotra, Dr. Arti Kushwaha, Dr. Ziaul Haq Yasir,	Correlation Of Retinal Nerve Fiber Layer Thickness With Ocular Perfusion Pressure And Intraocular Pressure In Primary Angle Glaucoma - A Tertiary Care Center Study	Ongoing
2.	Dr. Ibrahim Zafarullah	18 Months	Dr. Rubie Malhotra / Co. Supervisor Dr. S.M. Akram Dr. Mridula Verma Dr. Mukhtar Ahmad Dr. Roshan Alam	Correlation Of Serum Homocysteine And Serum Vitamin B12 Levels As Risk Factors And Prognostic Indicators In Retinal Venous Occlusion Disorders- A Tertiary Care Centre Study	

#### A brief on Community welfare activities undertaken during the year. :

Topic	Occasion	Date	Venue	Organizer
DRY EYE AWARENESS CAMP	DRY EYE AWARENESS MONTH	23-07-2024	RHTC, Sansarpur, Lucknow	ACADEMIC BOARD, Eye Department
Netradaan Campaign for awareness in society	National Eye Donation fortnight	31.08.2024	RHTC, Sansarpur, Lucknow	Optometry Interns & JR-3, Target Audience Faculty, Staff, Patients of RHTC, Sansarpur, Lucknow
World Glaucoma Week (10-16 March) & March 2025- Save Your Vision Month"	Glaucoma Screening and Free Drug Distribution Camp	12-03-2025	RHTC, Sansarpur, Lucknow	Optometry Interns & JR-3, Target Audience Faculty, Staff, Patients of RHTC, Sansarpur, Lucknow

#### Number of invited lectures/Plenary lectures organized by the department:

S.NO	Date	Occasion	Guest Speaker
1	24.07. 2024	Dry Eye Awareness month - July, 2024.	(Prof.) Dr. R. R. Shukul Retired Dean, PIMS, Lucknow, Ex HOD, AMU, Aligarh.
2	05-09-2024	"Recent Advancement in Intra Ocular Lens"	Dr. Vikas Kanaujia HOD, Dept of Ophthalmology, SGPPI, Lucknow.
3	27-09-2024	"Lasers in retinal diseases"	Dr. Prasoon Pandey Director- Trinetra Advanced Eye Care Centre, Lucknow.

4	14-11-2024	Diabetes and Vision loss- Combat to save sight"	Dr. Preeti Gupta Assoc. Professor, Dept of Ophthalmology, Dr.RMLIMS, Lucknow.
			Prof Luxmi Singh Head of Department Ophthalmology, ELMC&H, Lucknow.
5	09-05-2025	Retinopathy of Prematurity (Online Guest Lecture)	Dr. Gaurav Kohli, Assoc. Professor, ELMC&H

#### Adjunt/ Visiting professor:-

- i. **Dr. Mohd Najmussadiq Khan**  
Professor in Ophthalmology,  
King Abdullah Medical Cith, Mecca, KSA
- ii. **Dr. Deepak Mishra,**  
Professor,  
Regional Institute of Ophthalmology, IMS, BHU, Varanasi

The teaching curriculum for under graduates and post graduates has been developed and implemented and have relevance to the local, regional, national health use related to Ophthalmology. Latest NMC UG & PG MSR Guidelines.

#### Extension activities in the neighborhood community in terms of impact and sensitizing Students to social issues and holistic development.

Name of Activity	Event	Date	Venue
DRY EYE AWARENESS CAMP	DRY EYE AWARENESS MONTH	23-07-2024	Eye OPD Complex 1 <sup>st</sup> FLOOR PHASE III IIMSR
Netradaan Campaign for awareness in society	National Eye Donation fortnight	31.08.2024	RHTC, Sansarpur, Lucknow
Poster & Chart Competition	National Eye Donation fortnight	05.09.2024	5 <sup>th</sup> Floor, PHASE-II, IIMSR
Poster & Chart Competition	National Eye Donation fortnight	05.09.2024	5 <sup>th</sup> Floor, PHASE-II, IIMSR
Nukkad Natak and Campus awareness March	National Eye Donation fortnight	06.09.2024	Ground Floor to , Emergency Block, Phase 1

#### MoU linked with National/International

MOU with Eye Bank, Netrodaya Varanasi and Ophthalmology Department, IIMSR, Lucknow, U.P.

# DEPARTMENT OF ORTHOPEDICS

**Prof. (Dr.) Abha Chandra** : Dean

**Dr. Shameem Ahmad Khan** : HoD

Department of Orthopedics IIMS&R provides expert Bone & Joint related care to the patients at the hospital which starts from evaluating patients in emergency and OPD, admissions if needed, their regular monitoring in wards with daily rounds and operating if indicated with comprehensive post op care.

The department has grown drastically over the past few years. We have two fully modular orthopedics OT equipped with a traction table, Arthroscopy, Arthroplasty & trauma Setup. We are conducting various subspecialty clinics like Arthroscopy, Arthroplasty, Hand, Pediatric Orthopedics and Spine.

The department has a well trained and experienced workforce consisting of 03 Units with Professor, Associate Professor, Assistant Professor, Senior Resident in each unit and 6 Academic Junior Residents for providing round the clock Orthopedics care to our patients.

## Highlights of major activities and achievements

- Fourth batch of Post Graduate Student (Dr. Shashank Sinha and Dr. Asif Jawed) Joined as Junior Residents.
- Postgraduate teaching activities (Seminar, Case presentation, Guest lectures, Journal club, ORM/OPM, Skill Lab etc.) were routinely conducted in the session as per NMC criteria.
- Undergraduate teaching activities (Lecture, SGD, SDL, Bed side clinic, Skill Lab etc.) for MBBS 2021, 2022 & 2023 batches were taken as prescribed by the NMC.
- CRC on Traumatic Soft Tissue Lesions Around Shoulder, Jul 03, 2024
- CRC on Lumbar Canal Stenosis, Jan 08, 2025
- CRC on Bone Infection and Tumor, May 28, 2025

## A brief on Research Projects being undertaken by department.

Sr. No.	Principal Investigator	Guide	Co-guides	Title of Project/Study	Remarks
1	Dr. B. Vincent Vinay Kumar (PG-JR-03)	Dr. Anuj Rastogi (Professor)	Dr. Amitosh Mishra (Associate Professor)	Correlation Between Functional and Radiological Assessment After Treated Distal End Radius Fractures	Submitted
2	Dr. Mohammad Shariq (PG-JR-03)	Dr. Farid Mohammad (Professor)	Dr. Ashutosh Singh (Associate Professor)	A Prospective Cohort Study on Functional Outcome in Surgically Managed Bimalleolar Fractures in Adults	Submitted
3	Dr. Vivek Kumar Tiwari (PG-JR-02)	Dr. Shameem Ahmad Khan (Professor)	Dr. Sabeel Ahmad (Assistant Professor)	Evaluation of Donor Ankle Function After Harvesting Peroneus Longus Tendon Graft for Primary ACL Reconstruction	Ongoing
4	Dr. Adnan Rasheed (PG-JR-02)	Dr. Anuj Rastogi (Professor)	Dr. Suvrat Verma (Assistant Professor)	Evaluation of Medical Cortical Reduction Pattern on Clinico-radiological Outcome After Fixation of Intertrochanteric Fractures	Ongoing
5	Dr. Shashank Sinha (PG-JR-01)	Dr. Anuj Rastogi (Professor)	Dr. Sabeel Ahmad (Assistant Professor)	Correlation of malalignment and functional status after tibial intramedullary nailing for Tibial Shaft Fractures	Ongoing
6	Dr. Asif Jawed (PG-JR-01)	Dr. Farid Mohammad (Professor)	Dr. Rajat Ranjan (Associate Professor)	To Study the Efficacy of Autologous Platelet Rich Plasma Versus Local Corticosteroid Injections in The Treatment of Lateral Epicondylitis	Ongoing

## A brief on student's placements

S.I	Name of PG	Enrolment No.	Year of Passing	% of marks obtained	Attempt	Present placement
1	Dr. Imad Adil Khan	2102300193	2025	61.12 %	First	Joined as Senior Resident in Integral Hospital Medical Sciences & Research, Lucknow
2	Dr. Shubham Saraswat	2102300194	2025	57.8 %	First	Joined as Senior Resident in Hindurao Hospital, Delhi

## DEPARTMENT OF PATHOLOGY

**Prof. (Dr.) Abha Chandra** : Dean

**Dr. Priyanka Singh** : HoD

In the year 2011, Department of Pathology was started and began by providing basic laboratory services to the hospital under supervision of a single Pathologist. These consisted essentially of routine Hematology and Chemical Pathology services. Since then, the department has expanded rapidly and at present various advanced diagnostic facilities exist, including histopathology, exfoliative and aspiration cytology and hematological investigations. A state-of-the-art blood bank exists that is engaged in providing blood transfusion and blood component therapy. Apart from advanced diagnostic facilities for patients of this hospital, the department is also engaged in academic activities of MBBS, MD, BMLT, DMLT, and BPTH. Presently, fifteen post-graduate students per year are pursuing MD (Pathology) course. Two batches of 5 MD students (Batch 2020 and 2021) appeared and passed their university examination in September 2023 and received the award of MD degree. The department has opened the application for Ph.D. seats in Pathology from the year 2024.

### Highlights of the major activities and achievements during the Academic Year 2024-25 (July 2024 to June 2025).

#### A brief on Research Projects being undertaken by department.

a. Research projects for MD (Pathology) Thesis

Batch - 2022				
S. No.	Student Name	Project Duration	Supervisor	Research Topic
1	Dr. Lovely Singh	2 years	Dr. Megha Agarwal	Serum lipid abnormalities and its correlation with proliferation index in pre-malignant and malignant lesion of Gall Bladder.
2	Dr. Diksha	2 years	Dr. Priyanka Singh	Study the correlation of Nasal smear eosinophils, Serum IgE levels, Absolute eosinophils count with the severity of Clinical Score in Allergic Rhinitis-A Tertiary Care Study.
3	Dr. Hira Shuaib	2 years	Dr. S. Fiza Mustaqueem	Study of Hematological indices and its association with impaired glucose levels and microvascular complications in patients of diabetes mellitus type-2.
4	Dr. Vineeta Raj	2 years	Dr. Nausheen Khan	Study the correlation of nasal smear eosinophils, serum IgE level, and absolute Eosinophil count with the severity of clinical score in allergic rhinitis.
5	Dr. Taj	2 years	Dr. Pooja Jaiswal	To evaluate expression of claretinin in the normal endometrium and endometrial lesions causing abnormal uterine bleeding
Batch - 2023				
1	Dr. Anubhav Tripathi	2 years	Dr. Priyanka Singh	Spectrum of liver diseases and coagulation profile - A correlative study in a tertiary care hospital
2	Dr. Shaihl Irshad	2 years	Dr. Syed Fiza Mustaqueem	Study of expression of p53 and Ki67 in benign premalignany and malignant lesions of the gall bladder.

3	Dr. Adiba Sultan	2 years	Dr. Priyanka Singh	Immunohistochemical Expression of CD34 in various Breast lesions
4	Dr. Sumaiya Rabbani	2 years	Dr. Pooja Jaiswal	To evaluate CD34 Immunoreactivity of the endometrial stroma in normal endometrium and changes of the immunoreactivity in abnormal uterine bleeding: An observational study.
5	Dr. Zermina Jamal	2 years	Dr. Nausheen Khan	Study of mast cell distribution in uterine smooth muscle tumor.
<b>Batch - 2024</b>				
1.	Dr. Neda Jawaaid	2 years	Dr. Priyanka Singh	REAP v/s Conventional pap in cervical cytology - A comparative study
2.	Dr. Shadaan Akhtar	2 years	Dr. Priyanka Singh	A Study on Blood Component Efficacy and Safety Through Internal Quality Control
3.	Dr. Sanjana Tripathi	2 years	Dr Pooja Jaiswal	To evaluate effect of thyroid hormones on hematological profile parameters in patients with thyroid dysfunction: An observational study
4.	Dr. Manvendra Pratap Singh	2 years	Dr. Nausheen Khan	Cytomorphological spectrum of Lymph node swelling and their correlation with radiological finding
5.	Dr. Iqra Khalid	2 years	Dr. Syed Fiza Mustaqueem	Expression of BCL 2 & Ki67 in Endometrial Lesions in AUB : An Observational Study

### Invited Lectures/Plenary Lectures

Orientation of the PG students: Title - Lecture by Dr. Ram Naval Rao, Professor & HOD Pathology, SGPGI (U.P.) Lucknow on within "Breast Lesion - An overview".

### Number of Adjunct/Visiting Professor:-

Name - Dr Veena Maheshwari

Designation - Professor, JNMC, Aligarh

Teaching experience - 34 Years

Publications - 201

### A brief on student's progression and placements -

Student Name	Progression and Placement
Dr. Rishabh Chaudhary	HIMS, Barabanki
Dr. Shalini Suman	UPPMS, Ghaziabad
Dr. Arshiya Kaura	Maharishi Markandeshwar University, Amabala, Haryana (Pathology)
Dr. Kunvar Abhishek Nath	Prasad Institute of Medical Sciences, Lucknow
Dr. Mohd Mueen Khan	Prasad Institute of Medical Sciences, Lucknow
Dr Priyanshi	Institution of Human Behaviour and Allied Sciences, New Delhi
Dr Faiza Ansari	RIMS, Raipur

# DEPARTMENT OF PEDIATRICS

**Prof. (Dr.) Abha Chandra** : Dean

**Prof. Dr. Ashvini Kumar Verma** : HoD

Inception of the Pediatrics department, IIMS&R, goes back to March 2011. It started as an OPD center with basic Pediatrics neonatal services. Gradually over the years with the progress of the institute now the pediatrics department can boast of being fully equipped with most advanced technologies for both diagnostic as well as therapeutic management of patients. The OPD with all modern facilities is being attended by an average of about 100 patients everyday and 8 to 10 admissions in the IPD. The department has a state of art NICU (level -3) and PICU and running 7 specialty clinics along with regular OPD. We have also got permission to start PDCC in Pediatrics Endocrinology from 2025-26 Session.

## Specialty clinics are as follows:

1. Pediatric Nephrology
2. Pediatric Endocrinology
3. Pediatric Hematology & Thalassemia
4. Diarrhea (Pediatric Gastroenterology)
5. Neonatology
6. Immunization
7. Pediatric Asthma

The department is dealing with regular pediatrics and neonatal cases along with critically ill and Emergency cases. We have successfully managed small (Low birth weight and preterm) babies of around 750 gms

The department has enrolled 150 undergraduate students. Post graduation course in Pediatrics, with annual intake of two students began in the year 2021-22.

## The Department, celebrated World Breastfeeding Week on 29th July 2024

The event was aimed at promoting the importance of exclusive breastfeeding, educating mothers, and raising awareness among medical students and healthcare staff. A series of activities were organized throughout the day, involving patient interaction, student participation, and community education.

### Conclusion:

The Breastfeeding Week Celebration 2024 at IIMS&R was a grand success, combining patient education with student involvement. It not only reinforced the importance of breastfeeding among the community but also provided a platform for students to learn through active participation.



## The Department organized the College Round of the IAP Postgraduate Quiz 2024 on 31st July 2024

### Event Overview:

The IAP PG Quiz is an annual academic event conducted nationwide under the aegis of the Indian Academy of Pediatrics (IAP), designed to promote academic excellence and competitive learning among postgraduate students in Pediatrics.



**Acknowledgement:**

The event was conducted under the academic leadership of Dr. Thakur Vikrant Anand, who encouraged participation and ensured smooth coordination of the event. Faculty members from the department served as quizmasters and judges, ensuring fairness and academic rigor.

**Conclusion:**

The PG IAP Quiz College Round served as an excellent platform for enhancing academic interaction and clinical knowledge among postgraduate students. It also fostered a spirit of healthy competition and collaborative learning within the department.

**Celebrated World Health Day 2025 on April 7, 2025, aligning with the global theme promoted by the World Health Organization.**

As part of the awareness activities, a Nukkad Natak (street play) was organized within the campus premises to educate the public and students on pressing pediatric health issues and the importance of preventive healthcare in children. The play was conceptualized and performed by undergraduate medical students, highlighting key messages such as nutrition, hygiene, immunization, and early diagnosis of childhood illnesses.

The Nukkad Natak was conducted under the guidance of Dr. Vinay Shukla, Assistant Professor, Department of Pediatrics, who mentored the students of Batches 2021-2022 and ensured the content was both educational and engaging. The performance drew attention from faculty members, students, hospital staff, and patients' attendants, and was well-received for its impactful delivery and socially relevant messaging.

The event successfully fostered awareness and reinforced the department's commitment to child health and community engagement through innovative educational strategies.

**Organized a Continuing Medical Education (CME) session focused on emerging and evidence-based interventions in pediatric gastroenterology.**

As a part of this academic initiative, Dr. Thakur Vikrant Anand, Professor Department of Pediatrics, delivered an insightful lecture on the topic:

- Special attention was given to the selection of probiotic strains, dosage, duration of therapy, and the safety profile in different pediatric age groups.
- He also discussed the role of probiotics in other diarrheal conditions, including infectious diarrhea, traveler's diarrhea, and diarrhea associated with malnutrition, with a focus on practical applications in low-resource settings.

**Audience:**

The session was attended by postgraduate students, faculty members, and interns, who engaged actively during the interactive Q&A session that followed the lecture. The CME was well-received and appreciated for its relevance to day-to-day pediatric practice and rational prescribing.

**Conclusion:**

The lecture by Dr. Thakur Vikrant Anand greatly enriched the academic environment of the department by integrating clinical experience with current evidence. It reinforced the need for judicious use of probiotics in pediatric diarrhea management and opened avenues for further research and discussion.

**A Report on Basic Life Support and Advanced Life Support Workshop -30 May- 1 Jun 2025**

BLS and PALS workshop was organized at central auditorium, Integral University. This workshop was organized by Dept of Pediatric IIMS&R. It aimed at teaching basic life support and advanced life support skills to the delegates. The Delegates included PG residents of our college as well as of other the medical colleges of Lucknow and Varanasi. Also final year MBBS students were part of it. The faculty for the course included Dr Banani Poddar HOD, critical care SGPGIMS and other renowned pediatricians of the region. The event was inaugurated by Executive Director Syed M Fauzan Akhtar sir. The delegates were trained in basic skills of life support for all ages including foreign body removal on 30th May. On 31st May and 1st Jun training both



theory and practical for pediatric advanced life support was given. Theory lecture included identification of sick child, arrhythmias, fluid management and team dynamics. On completion of course a theory MCQ test and a practical test was taken All the participants passed the test and were given course completion certificates.

# DEPARTMENT OF PHARMACOLOGY

**Prof. (Dr.) Abha Chandra** : Dean

**Prof. (Dr.) Mohd. Tariq Salman** : HoD

The Department of Pharmacology was established in year 2013. Since then, department is actively involved in development and teaching of MBBS and Paramedical courses. The department has well established laboratories (Clinical Pharmacology & Experimental and Research lab), Library, and seminar room with audiovisual aids to provide effective teaching & learning. The students are trained in various aspects of Pharmacology in accordance with Competency based Medical Education (CBME) curriculum. Elective courses were offered in Prescription Audit, Pharmacovigilance, Rational prescribing, Toxicology and Drug dosage for interested students. Moreover, the department is actively involved in helping to improve clinical research environment, hospital services and patient safety through Medication error monitoring, prescription audits, adverse drug reaction reporting, and training of staff, with faculty members serving in various committees like Drugs and Therapeutics Committee, Pharmacovigilance Committee and Institutional Research Committee. The department provides a vibrant and dynamic environment for conducting high quality research and it has also started PhD course from this session.

## Highlights of the major activities and achievements

**Pharmacovigilance week** was celebrated by the Department of Pharmacology, IIMS&R from 17th – 23rd September 2024 under the aegis of Pharmacovigilance Program of India, IPC, MoHFW, Govt of India for creating awareness regarding the Pharmacovigilance program in regard to safe use of medicines. We organized an array of activities to promote awareness about pharmacovigilance and patient safety. Our events included Sensitization Program for Health professional and students, e-poster competition (at MBBS level and whole university level), rangoli competition, quiz competition, awareness walk).



Awareness Walk regarding Pharmacovigilance and importance of reporting ADRs



## Sensitization Program for Health Faculty and students

Dr. Rakesh Kumar Dixit, Professor, KGMU, Lucknow was the guest of honour for Sensitization Program. He highlighted the importance of Pharmacovigilance and ADR reporting. He also told the challenges faced during reporting of ADRs and measures to overcome those challenges.

**World Antibiotic Awareness Week** was celebrated from 18th to 24th November 2024 by the Department of Pharmacology in collaboration with the Department of Microbiology. The theme for this year was "Educate, Advocate, and Act," aimed at raising awareness about the growing threat of antimicrobial resistance (AMR). We organised a series of activities to promote awareness about Antimicrobial Resistance. Our events included E-poster competition, Quiz competition, skit, CME & Prize distribution, Go Blue campaign, Awareness Walk, Nukkad Natak. The overall coordinators of program were Dr. Mohd. Tariq Salman, Head of Department Pharmacology, Dr. Sana Jamali, Head of Department Microbiology, Dr. Aaliya Bari, Assistant Professor Pharmacology, Dr. Anuragini Verma, Assistant Professor Microbiology.

On 19th November 2024 an online quiz competition was conducted. The quiz was designed to educate students on the responsible use of antimicrobial agents and raise awareness about preventing the emergence of resistant pathogens.

A CME and prize distribution ceremony took place on 20th November 2024, under the guidance of Dr. Abha Chandra, Dean of the institution. The ceremony was attended by the Head of the Department of Pharmacology, Dr. Mohd. Tariq Salman, the Head of the Department of Microbiology, Dr. Sana Jamali, as well as Dr. Vishal Parmar, Assistant Medical Superintendent, and Dr. Furqan Ahmad, Deputy Medical Superintendent. The ceremony was attended by around 200 participants including faculty, research scholars and students of MBBS, Nursing and Pharmacy.

**Guest Lecture on 17-09-2024-** Dr. Rakesh Kumar Dixit, Professor, KGMU, Lucknow was the guest of honour for Sensitization Program. He highlighted the importance of Pharmacovigilance and ADR reporting. He also told the challenges faced during reporting of ADRs and measures to overcome those challenges.

**Zoya Ahmad and Insha Khan**, second-year MBBS (Batch-2022) students at IIMS&R, Lucknow attended 8th inter-college Pharmacology quiz organized by Department of Pharmacology, AIIMS on 4th November 2024 and was felicitated with Certificate for participation in pre-final round of Pharma quest, 2024 on the 24th of September, 2024 for the same.

Several Undergraduate Students from IIMS&R participated in National Level E- Poster Making Competition on the occasion of 4th National Pharmacovigilance Week Sept. 17 to 23, 2024 organized by Pharmacology Department of Nkp Salve Institute Of Medical Sciences And Research Centre & Lata Mangeshkar Hospital, Nagpur.

Saumya Gupta, a second-year MBBS (Batch-2022) student at Integral Institute of Medical Sciences & Research, Lucknow secured the Third position in this National level E-Poster competition and was felicitated with a prize and certificate on the 24th of September, 2024 for the same.

**Dr. Mohammad Tariq Salman, Professor and Head of Department of Pharmacology at IIMS&R has been granted seed money for research project At IIMS&R**

Name of PI- Dr Mohammad Tariq Salman, Professor and Head of Department of Pharmacology at IIMS&R

Topic- Design, Synthesis And Molecular Modeling Studies Of Novel-Acetyl-Naphthalene Derivatives As Anti-Epileptic And Anti-Microbial Agents

Date of submission of project- 17/04/2025

Amount- 250000

**Dr. Mohammad Tariq Salman, Professor and Head of Department of Pharmacology at IIMS&R** was invited as Chairperson at NAPTICON 2024, organized by Department of Pharmacology and Therapeutics, AIIMS, Nagpur

**Dr. Mohammad Tariq Salman, Professor and Head of Department of Pharmacology at IIMS&R** was invited as a Judge during the Scientific Session at 2nd One-Day national conference held at Harsha Institute of Pharmacy, Lucknow on December 21st, 2024.

**Dr. Kauser Sayedda, Professor, Department of Pharmacology at IIMS&R** was invited for Guest Lecture on 13-01-2024 at Teerthanker Mahaveer University, Moradabad on the Topic- Medication Error.

**Number of Invited Lectures/Plenary Lectures organized by the Department: 2**

Sr. No.	Date	Title of the Lectures	Name of the Speaker	Designation
1.	17-09-2024	Pharmacovigilance: importance of Pharmacovigilance and ADR Reporting	Dr. R.K. Dixit	Professor, KGMU, Lucknow
2.	07-01-2025	The importance of Clinical Trials: Challenges and Opportunities	Dr. Syed Shariq Naeem	Assistant professor, Aligarh Medical University

Curricula Developed the courses having focus on employability/ entrepreneurship/ skill development. Competency based Medical Education curriculum has been implemented for all medical students. This curriculum has relevance to the national and global developmental needs, and is having focus on competency and skill development. Moreover, electives with relevance to regional and national needs and focus on skill development were offered.

# DEPARTMENT OF PHYSIOLOGY

**Prof. (Dr.) Abha Chandra** : Dean

**Prof (Dr) Mohammad Hifzur Rehman** : HoD

## **Brief History of Department right from its inception:**

Human Physiology is the basic branch of medical science dealing with functions of human body. It is a sub-section of basic life sciences, covering a range of topics that include right from the cells, biological compounds, organs their functional anatomy, and how they all interact to make life possible. The study of physiology is, in a sense, the study of life.

The Department of Physiology was established as a part of IIMSR in the year 2012. The first batch of 100 MBBS students was admitted in 2013. Currently the department is imparting unprecedented teaching and training to 150 MBBS students, as well as catering to the teaching of allied health sciences such as Ph.D. in Medical Physiology, M.Sc. Medical Physiology, Medical Lab Technology, Radiology and Imaging, Optometry and Forensic Science. From the day of its establishment a constant effort has been made to upgrade the department. It has well equipped laboratories which provide training facilities for undergraduate and postgraduate students as well as for faculty members.

The department has adequate and experienced faculty, and a well informed and trained staff with the latest educational technologies. The faculties are having good research experience and have huge number of published articles in national and international journals. All the faculties are trained with the latest educational technologies and having teaching experiences in esteemed institutes and guided various undergraduate and postgraduate students in various medical colleges.

The department has a spacious Hematology Lab which can accommodate more than 100 students at a time along with a Mammalian and Clinical Lab. The laboratory possesses advanced teaching microscopes, slides which make teaching and understanding easy. The departmental Research laboratory caters to teaching and training of post graduate students and faculties to enhance their research skills. The demonstration room with departmental library has sufficient numbers of books covering different branches of Physiology, well equipped with internet facility.

## **Highlights of the major activities and achievements during the Academic Year 2024-25**

### **(July 2024 to June 2025)**

- a. Training Yoga: (13 June -21 June 2025) daily Yoga practice session.
- b. International Yoga Day (Poster presentation) on 21 June, 2025.
- c. CME on Physiology of Ageing: Role of Yoga in healthy Ageing on 31 July 2024.
- d. CME on Consequences on Sedentary lifestyle on 15 January 2025.
- e. CME on Sleep Physiology & its Clinical Implications: Understanding the Architecture, Regulation and disorder of Human Sleep on 21 May 2025.

Value added course - Research Curiosity Instillation Programme



Poster presentation ON International Yoga Day



### A brief on Research Projects being undertaken by department:

S.No.	Project/ Research going	Faculty
1.	ASSOCIATION OF SLEEP DURATION AND SLEEP QUALITY WITH BODY MASS INDEX IN MEDICAL STUDENTS	Dr. Sara Siddiqui
2.	EFFECT OF SMOKING ON PEAK EXPIRATORY FLOW RATE (PEFR): A COMPARATIVE STUDY AMONG SMOKERS AND NON-SMOKERS IN YOUNG HEALTHY ADULTS.	Dr. Sara Siddiqui
3.	THE ASSESSMENT OF NUTRITIONAL STATUS IN CHILDREN BETWEEN 6 TO 10 YEARS AND ITS CORRELATION WITH RISK FACTORS OF MALNUTRITION	Dr. Tripti Tripathi
4.	ASSESSMENT OF OBESITY IN MBBS STUDENTS AND ITS RELATION WITH VITAL CAPACITY	Dr. Tripti Tripathi
5.	ASSOCIATION OF ABO BLOOD GROUP WITH CONICITY INDEX IN MEDICAL UNDERGRADUATE STUDENTS	Dr. Mohd Nawaz
6.	ASSOCIATION OF ANTHROPOMETRIC PARAMETERS WITH OBSTRUCTIVE SLEEP APNEA	Dr. Khaleel Ahmed Manik
7.	STUDY OF CORRELATION BETWEEN BLOOD GROUP AND ANAEMIA IN YOUNG ADULT	Dr. Sara Siddiqui
8.	TO STUDY THE EFFECT OF BODY MASS INDEX ON PEAK EXPIRATORY FLOW RATE IN MEDICAL UNDERGRADUATES	Dr. Mohd Nawaz
9.	COMPARATIVE ANALYSIS OF HEART RATE VARIABILITY IN NATIVE RESIDENT AND ACCLIMATIZED LOWLANDERS AT MODERATE ALTITUDE, JUMLA, NEPAL	Dr. Khaleel Ahmed Manik
10.	COMPARATIVE STUDY OF SERUM THROMBOSPONDIN-2 AND FIB-4 INDEX AS BIOMARKER FOR HEPATIC DYSFUNCTION IN NON-ALCOHOLIC FATTY LIVER DISEASE	Dr. Khaleel Ahmed Manik
11.	AUTONOMIC STATUS IN NORMAL BMI AND HIGH BMI PATIENTS WITH POLYCYSTIC OVARIAN SYNDROME AND ITS CORRELATION WITH HORMONAL CHANGES	Dr. Khaleel Ahmed Manik
12.	COMPARATIVE ANALYSIS OF NEUTROPHIL LYMPHOCYTE RATIO, PLATELET LYMPHOCYTE RATIO AND RED CELL DISTRIBUTION WIDTH IN TYPE 2 DIABETES MELLITUS WITH AND WITHOUT CKD	Dr. Khaleel Ahmed Manik
13.	A STUDY OF THYROID FUNCTION & HEMATOLOGICAL ABNORMALITIES IN PATIENTS WITH CHRONIC KIDNEY DISEASE	Dr. Khaleel Ahmed Manik
14.	ASSOCIATION OF HEART RATE VARIABILITY (HRV), AND GLUCOSE CHALLENGE TEST (GCT) BY DIPSI CRITERIA ON RISK OF PREECLAMPSIA IN PREGNANT WOMEN OF NORTH INDIAN POPULATION.	Dr. Khaleel Ahmed Manik

### A brief about two best practices successfully implemented by the department.

#### (i). Elective Learning Module for MBBS students: From 01.03.2025 To 15.03.2025:

- Department of Physiology has developed three modules which have been opted electively by total 11 MBBS 4th year students. The students achieved the learning objectives about EEG & Yoga through discussion and interactive session with internal preceptors. They have done DOAP sessions where required or worked to collect data and analyzed with help of their respective supervisors/ internal preceptors. All the students successfully completed the elective 1 posting with achievement of desirable objectives.

#### (ii). International Yoga Day & Yoga Practice: 12 June -21 June 2025, 8 days

Department of Physiology, IIMSR conducts a Yoga programme for students in view with making them conscious of the importance of physical and mental wellbeing. The content of the course include theory as well as practical demonstrations and practice of different types of pranayama and Yogasanas. Besides the regular activities, there was a Poster competition organized on June 21st June. The students were awarded with the certificates for participation and 3 best groups were facilitated for poster presentation.

# DEPARTMENT OF PSYCHIATRY

**Prof. (Dr.) Abha Chandra** : Dean

**Dr. Anurag Agrawal** : HoD

Department of Psychiatry, IIMS&R, provides expert Psychiatric care to the patients at the hospital which starts from evaluating patients right from emergency and OPD, indoor admissions, their regular monitoring in wards with daily rounds, along with expert psychological opinion and therapies.

The Department was started in August 2013 with the workforce of 1 Assistant Professor, 1 Senior Resident and 1 Junior Resident (Non-PG) has shown remarkable achievements over the past few years in managing various psychiatric illnesses. The Department has liaison with various clinical departments in the hospital including General Medicine, Obstetrics and Gynaecology, Surgery, ENT, Orthopedics and Paediatrics as well as Superspeciality Departments like Neurology & Neurosurgery. Number of OPD as well indoor cases have increased consistently over the years.

The department has set of EEG machine along with dedicated technician and chamber. We also have a M Phil clinical psychologist in our Department, who provides psychotherapies, counseling, biofeedback as well as do psychological assessments.

The department has work force of 2 Professors, 1 Assistant Professor, 2 Senior Residents and 3 PG Junior Residents as well as 1 Clinical Psychologist and 1 EEG Technician for providing 24x7 psychiatric interventions and coverage to all the patients visiting the Institute and requiring consultation for mental health problems.

## Highlights of the major activities and achievements

- Regular academic activities like seminars, case presentation, journal club etc. were continued in this session also on a regular basis.
- A CME on "Unlocking Potential: Understand and managing ADHD" was organized by the Department on 23/04/2025 for all the faculty and residents of the IIMS&R and the speaker was Dr. Himanshu Dhunna, Junior Resident-3, Department of Psychiatry and the Moderator was Dr. Nilesh Kumar Kanaujiya, Asst Professor, Department of Psychiatry.
- Various specialty psychiatric OPDs are running weekly along with daily adult psychiatry OPD.
- Regular offline Psychiatry Teaching in the form of Lectures, SDLs and Clinical Postings for MBBS 2022 & 2023 batches were undertaken as per schedule.
- Thesis titled assessment of "A comparative study of Psychiatric Co-Morbidities Quality of life and coping strategies in patients with migraine and tension type headache" was finished by Dr. Himanshu Dhunna PG resident under guidance of Dr. Anurag Agrawal, Dr. Azhar Mahmood Farooqui. Dr. Nilesh Kumar Kanaujiya. It was submitted in April 2025.
- Poster Presentation Competition Organized by Department of Psychiatry for Elective Postings Students on 27/03/2025.

# DEPARTMENT OF RADIODIAGNOSIS

**Prof. (Dr.) Abha Chandra** : Dean

**Prof. (Dr.) Ganesh Kumar** : HoD

Since its inception in 2011, the Department of Radiodiagnosis has seen an incredible path of technological enrichment and academic development. With initial strength consisting of conventional radiography and ultrasonography suites, the department supplemented its diagnostic facilities in 2016 by acquiring a multidetector computed tomography scanner, thus expanding its ability for high-resolution cross-sectioning imaging. Additional expansion of its imaging capabilities in 2021 came in the form of the installation of a 1.5-tesla magnetic resonance imaging system, allowing for high-level soft tissue characterization and advanced neuroimaging protocols. To meet growing clinical and teaching needs, the MD radiodiagnosis post graduate course was started in March 2022. This marked a major change, turning the department from just a service provider into a full academic and research center.

## Highlights of the major activities and achievements

During the 2024-25 academic cycle, the Department of Radiodiagnosis sustained a fully integrated imaging service—encompassing conventional radiography, ultrasonography, computed tomography, magnetic resonance imaging, and interventional procedures—ensuring that all studies were performed with alacrity and that reports were disseminated punctually, in addition to these the Department of Radiodiagnosis achieved a series of transformative milestones in the year 2024-25 as listed below

1. The acquisition and commissioning of a cutting-edge GE Voluson E6 ultrasound machine substantially enhanced our sonographic spatial and contrast resolution.
2. The introduction of a structured second-trimester fetal anomaly scan program enriched our obstetric imaging services.
3. In December 2024, flawlessly conducted the MD Radiodiagnosis professional examinations for our first postgraduate batch (year 2021).
4. In March 2025, the Department was honored to serve as an accredited center for the DNB Radiodiagnosis diploma assessments at Integral Institute of Medical Sciences & Research.
5. Strategically, the department submitted a proposal to augment MD Radiodiagnosis intake from two to six seats for the 2025 batch and concurrently inaugurated a doctoral (PhD) program in Radiodiagnosis.
6. Focused, two-hour hands-on workshop on point-of-care echocardiography to bolster practical competencies.
7. Departments scholarly endeavors yielded several peer-reviewed publications.
8. Planning the launch of CT coronary angiography services in the coming year.



Second trimester anomaly scan



DNB Exam

**A brief on Research projects being undertaken by department.**

- a. Comparison of diagnostic accuracy of high-resolution ultrasonography with magnetic resonance imaging in detecting tendinous pathologies of the shoulder joint.
- b. Radiological evaluation of anatomical variations of nasal cavity and paranasal sinuses on CT in patients with chronic rhinosinusitis
- c. MRI evaluation of involvement and healing in tuberculosis of spine with clinical correlation.
- d. A comparative study between high resolution computed tomography with chest radiography and spirometry in early diagnosis of emphysema

**No. of classrooms and seminar halls with ICT-enabled facilities-**

The Department of Radiodiagnosis boasts two purpose-designed spaces endowed with advanced audio-visual capabilities. A dedicated seminar hall is fitted with an LCD projector and seamless Wi-Fi/LAN connectivity, facilitating high-fidelity presentations and real-time interactive learning. Additionally, the library-cum-museum houses a desktop workstation linked to a 75-inch 4K display, optimally configured for PowerPoint lectures, video tutorials, and digital reference review.

## DEPARTMENT OF DERMATOLOGY & V.D.

Prof. (Dr.) Abha Chandra : Dean  
Prof. (Dr.) Rajeev Agarwal : HoD



“A Health camp was organized on “World Vitiligo Day “

Skin disorders are very common among any community and although these may not be fatal most of the time, they are however responsible for significant morbidity and decreased quality of life among majority of the patients. The Department of Dermatology and STD of IIMS&R has been functioning since 2013 and is providing services for diagnosing and managing various skin diseases, sexual disorders, leprosy and common cosmetological problems.

The department has an Out-Patient Department (OPD) comprising of 03 OPD rooms, 01 Laboratory, 01 STD cum Counselling Room, 01 PUVA Room, 01 Demonstration Room and Minor OT Complex having a laser room & a minor OT. The OPD is located on 1st floor of Phase-III building while the department is located on the 6th Floor of Phase-II building of IIMS&R.

There is also facility for admitting (10 beds) patients requiring detailed work up and prompt management. In addition, for better and accurate management of patients various diagnostic facilities such as skin biopsies, slit skin smears (for leprosy and leishmaniasis), Wood's lamp examination for various skin disorders and microscopy of skin scrapings (for fungus and scabies), Tzank smear (for bullous and viral disorders) and Gram's stain for bacterial infections are also being carried out. Patch testing for various allergic and occupational dermatoses is also available.

Various dermatological surgeries and cosmetological procedures are being carried out and facilities like radicauteury/chemical cauteury (for mole removal, wart/corn removal), iontophoresis (for hyperhidrosis and drug delivery), cryo-therapy (for warts, molluscum contagiosum and Keloid), Mesotherapy (for various indications), chemical peeling (for melasma and hypermelanosis), nail surgeries, vitiligo surgeries and acne scar surgeries are also available.

The department is also in the process of increasing its facilities for hair restoration surgeries, PRP (for haifall, acne scar, non-healing ulcer), ASST (for chronic Idiopathic/Autoimmune Urticaria), PUVA/NB-UVB phototherapy (for vitiligo and other disorders), Laser (hair removal, acne scar and mole/nevi removal) etc.

The Department is actively involved in various academic activities like regular seminar presentations, case presentations and CME presentations. The Department carries out lectures, demonstrations, group discussions, seminars and integrated lectures using a problem based learning (PBL) approach for the UG students of M.B.B.S. and Allied Sciences.

**Highlights of the major activities and achievements.**

- (a) UG & PG Teaching activities Conducted routinely included seminars, Group discussions & Journals club.
- (b) Incorporation of ICT enabled tools in teaching program.
- (c) Conferences & CME attend by Post - graduate students to equip themselves with recent advances.
- (d) A Health camp was organized on "World Vitiligo Day" on 25th June 2025

S.No.	Research Topic	Investigator
1.	Dermatoscopy in Hansen's Disease and its correlation with clinical spectrum and Histopathology: An observation study	Dr. Neha Bohra
2.	Analysis of Dermoscopic findings in Topical Steroid damaged face (TSDF)	Dr. Akshay Sharma

## DEPARTMENT OF HUMANITIES AND SOCIAL SCIENCES

**Prof. Zeba Aqil** : HoD

The Department of Humanities and Social Sciences, founded in 2019, stands as a testament to academic diversity and societal insight. With an innovative approach, the department delves into five distinct subjects: Psychology, History, Sociology, Economics, and Political Science. Collectively, the Department of Humanities and Social Sciences fosters critical thinking, cultural awareness, and social consciousness, shaping well-rounded individuals who are adept at navigating the complexities of our globalized world. The department offers B.A. (Hons.), M.A. and Ph.D. degree in all five subjects.

### Highlights of the major activities and achievements

- The Department successfully organized a two-day National Workshop cum Training Program on “The Art of Writing Thesis / Dissertation” on August 13-14, 2024, in hybrid mode, aimed at enhancing research-writing skills of academicians and scholars. Held at the Central Auditorium, the event included inaugural and valedictory sessions, keynote lectures, and six technical sessions covering research topic selection, formulating research questions and hypotheses, literature review, methodology, data analysis, and manuscript writing. Distinguished resource persons from reputed institutions such as University of Lucknow, BBAU, and others contributed their expertise. With 185+ participants from across India, the program offered hands-on training, live demonstrations, and interactive Q&A sessions. The event was well-coordinated by a team of co-convenors under the guidance of Prof. Zeba Aqil and concluded with certificate distribution and a group photo, marking a significant step toward promoting academic excellence and research culture at Integral University.



- On 25th September 2024, the Department, under the Deeksharambh initiative, organized a community awareness program on “सतत विकास लक्ष्य चार: शिक्षा की गुणवत्ता सबका अधिकार” (Sustainable Development Goal 4: Quality Education for All) in the Nutkheda slum area. The event aimed to raise awareness about the importance of education and gender equality, especially among marginalized communities. Faculty members, led by Prof. Zeba Aqil and supported by several others, guided 90 student volunteers from various disciplines in engaging with the local community. A major highlight was a Nukkad Natak (street play) performed by students, effectively delivering messages on gender equality and educational empowerment. The activity helped bridge academic learning with real-world social issues, offering students insight into grassroots challenges while promoting the transformative power of education. The department reaffirmed its commitment to using education as a catalyst for social equity and sustainable development.
- On 26th September 2024, the Department, organized a Community Awareness Program titled “स्वस्थ महिला, स्वस्थ समाज” under the Deeksharambh initiative, focusing on Sustainable Development Goal 3

(Good Health and Well-being). Held at the Anganwadi in Dasauli village, Lucknow, the event aimed to raise awareness among rural women and girls about health and hygiene. Led by faculty members Dr. Archana Pande, Dr. Vandana Mishra, and Dr. Pallavi, and coordinated by Prof. Zeba Aqil, the activity saw enthusiastic participation from female students of the department. The team engaged with the villagers through interactive discussions, health talks, and distribution of hygiene-related items, creating a meaningful dialogue around women's health. The program successfully promoted community engagement and highlighted the role of education in empowering women for a healthier society.

- 4. Conducted a two-day online National Seminar on "Gandhian Vision for 'विकसित भारत'" on October 3-4, 2024, with participation from over 75 scholars nationwide. The seminar focused on the relevance of Gandhian principles such as non-violence, Swaraj (self-reliance), Sarvodaya (welfare of all), ethical governance, sustainable development, and women's empowerment in shaping India's progress toward becoming a developed nation (Viksit Bharat). Eminent speakers from institutions like AMU, JNU, and BHU delivered insightful keynote lectures linking Gandhi's philosophy to modern challenges like climate change, inequality, and social inclusion. A total of 28 research papers were presented, contributing diverse academic perspectives. The event successfully highlighted Gandhi's practical relevance in contemporary policy, governance, and social reform, concluding with a collective commitment to carry forward his vision for an inclusive, self-reliant, and morally drive India.
- On September 10th, 2024, organized a series of awareness events to observe World Suicide Prevention Day (WSPD), focusing on mental health advocacy and community engagement. The highlight of the day was a guest lecture by Dr. Shailendra Mohan Tripathi, Additional Professor at King George's Medical University (KGMU), Lucknow, held in Hall 1 of the Central Auditorium. Dr. Tripathi delivered a powerful and insightful talk emphasizing the global burden of suicide, the importance of early intervention, and the critical role educational institutions play in mental health promotion. He encouraged students to seek help when needed and stressed the value of fostering a supportive and stigma-free environment on campus. The day also included a rally promoting messages of hope and a Poster Making Competition, both of which saw enthusiastic participation. These events, rooted in collaboration among students, faculty, and experts, helped strengthen the university's commitment to mental well-being and suicide prevention.
- On November 8, 2024, organized an online Guest Lecture to commemorate the 150th birth anniversary of Sardar Vallabhbhai Patel, titled "Sardar Patel: A Symbol of Secularism, Integrity, and Inclusive Nationalism." The keynote speaker, Dr. Sudarshan Chakradhari from Baba Saheb Bhimrao Ambedkar University, delivered an insightful talk on Patel's pivotal role in the integration of princely states, his commitment to secular values, and his vision of inclusive nationalism. The event began with a welcome by Dr. Tabinda Anjum and concluded with a vote of thanks by Dr. Archana Pande, who also moderated a thought-provoking Q&A session. The lecture offered a powerful reflection on Patel's enduring legacy and inspired participants to uphold his ideals of unity, secularism, and integrity in contemporary India.
- On 28th January 2025, in collaboration with NSS under the Swadesh Darshan scheme, organized an Extension Activity: "Lucknow's Living Past - Heritage Walk" covering the British Residency and Begum Hazrat Mahal Park. Led by Head of Department Prof. Zeba Aqil, along with conveners Dr. Tabinda Anjum, Dr. Anshal Ali Tiger, and Dr. Khawaja Danish Hameed, and accompanied by other faculty members, the walk engaged 81 students and faculty in exploring Lucknow's historical landmarks. At the British Residency, participants learned about the Revolt of 1857, visited key structures, and explored the on-site museum. At Begum Hazrat Mahal Park, they reflected on her pivotal role in Awadh's resistance. The activity blended historical insights, interactive discussions, and cultural immersion, fostering pride in local heritage and deepening understanding of the city's socio-political history.
- On 26th September 2024, the Department conducted a charitable Community Awareness Program titled "स्वस्थ महिला, स्वस्थ समाज" at the Anganwadi in Dasauli village, under the Deeksharambh initiative. Focused on Sustainable Development Goal 3 (Good Health and Well-being), the program aimed to promote health and hygiene among rural women and girls. Organised under the guidance of Prof. Zeba Aqil, the event included interactive sessions, health talks, and distribution of hygiene kits. Female students actively participated, making it a meaningful effort to empower women through awareness and education.

### **Number of Adjunct/Visiting Professor associated with the Department**

Dr. Akbar Husain is Professor at the Department of Psychology, Faculty of Social Sciences, Aligarh Muslim University, Aligarh (India). He received his Ph.D. Degree in Psychology from the Aligarh Muslim University, Aligarh (INDIA) in 1981. Professor Husain was awarded the D.Litt. degree in Psychology in 2015 for his work on Explorations and Applications of Spirituality in Psychology. He has over 41 years of teaching and research experience. He has successfully supervised 6 Post-Doctoral theses, 38 Ph.D. theses, and 10 M.Phil. And dissertations at the Aligarh Muslim University, Aligarh. He has authored, co-authored and edited 44 books, and contributed 280 research papers, theoretical articles and book chapters in National and International Journals and Books. Prof. Husain has attended and presented papers, given Invited Talk/Lecture and Keynote Addresses in the several National and International Conferences and Seminars. He was Editor of the Journal of the Indian Academy of Applied Psychology (2002-2005) and Journal of Educational Research, University of Malaya (2009). Prof. Husain is also reviewer of various National and International Journals of Psychology. He has standardized numerous psychological tests and completed research projects. He is a Life Member and Annual Member of various National and International Associations. Prof. Husain was offered Founding Member of the International Board of the International Transpersonal Association, USA in 2009. He has visited several countries for attending conferences and teaching assignments. He is also on the Editorial Board of several prestigious Journals, both National and International. Professor Husain received Sir Syed Innovation Award 2018 Outstanding Researcher of the Year.

### **Curricula Developed**

Each discipline offers a well-balanced combination of theoretical knowledge and practical application, ensuring relevance in today's rapidly changing socio-economic landscape. The courses are designed with a strong emphasis on employability, entrepreneurship, and skill development, integrating modules on research methodology, policy analysis, psychological assessment, economic planning, heritage and cultural management, and social entrepreneurship. By aligning academic content with real-world challenges and development goals, the curricula not only foster critical thinking and problem-solving but also prepare students for diverse career opportunities in public and private sectors, NGOs, international organizations, and further academic pursuits.

### **A brief about two best practices successfully implemented by the department**

The Department of Humanities and Social Sciences has successfully implemented two notable best practices. First, Interdisciplinary Learning Initiatives integrate knowledge from diverse fields through joint seminars and problem-based learning, enhancing students' critical thinking and research skills. Second, Community Outreach and Social Engagement Programs connect academic learning with real-world issues through workshops, field research, and partnerships with local organizations, fostering social responsibility, empathy, and strong community linkages.

# DEPARTMENT OF LANGUAGES

**Prof. H.M. Arif** : HoD

## About the Department:

The Department of Languages stands as a beacon of academic distinction and transformative excellence at Integral University, embodying a visionary educational paradigm that has redefined linguistic and literary scholarship since its establishment in 2015. Distinguished by its pioneering dual mandate of advancing Professional Communication competencies and cultivating sophisticated English Language proficiency through comprehensive Grammar and Soft Skills development, the Department has strategically positioned itself as the institutional leader in English for Specific Purposes (ESP) pedagogy and research.

The Department represents a harmonious confluence of classical literary heritage and contemporary global discourse, demonstrating remarkable adaptability to the dynamic imperatives of liberalization, privatization, and globalization. Through innovative curriculum architecture that seamlessly integrates timeless literary traditions with cutting-edge modern expressions, the department offers comprehensive degree programs including PhD, MA in English, and NEP 2020-aligned BA English. Transcending conventional literary studies, the interdisciplinary approach has established the department as the university's premier communication hub, delivering specialized courses across diverse professional domains while fostering holistic character development and academic distinction that resonates nationally and internationally.

## Highlights of Major Activities and Achievements:

### Flagship Achievement:

#### Transformational Social Audit Project by Samagra Shiksha, Ministry of Education, Uttar Pradesh:

The Department of Languages has orchestrated its most ambitious and impactful social initiative—the Social Audit Project of Samagra Shiksha, Government of Uttar Pradesh—achieving unprecedented success that has garnered national recognition and governmental acclaim. This landmark consultancy project has earned commendation from the Ministry of Education India and the Office of the Chief Minister, Uttar Pradesh for its exceptional execution, innovative methodology, and transformative impact on educational governance.

### Appreciation & Accolades

- **Ministry of Education, Govt. of India** has officially commended both the State of Uttar Pradesh and Integral University for the remarkable achievement of reaching the Public Hearing phase ahead of schedule, setting a new benchmark for project implementation excellence.
- **Hon'ble Chief Minister of Uttar Pradesh** has personally acknowledged and praised Integral University for its exceptional execution, innovative approach, and pioneering contribution to the Social Audit Project.
- **Extensive National Media Coverage** : The project has received widespread recognition in leading national newspapers, highlighting its transformational impact on educational transparency and community engagement.

### Press Release By The Office Of The Chief Minister, Uttar Pradesh Regarding Social Audit Project

The Office of the Chief Minister, Uttar Pradesh, issued an official press release commending Integral University's exceptional execution of the Social Audit Project under Samagra Shiksha. This governmental recognition highlights the university's innovative approach and successful completion ahead of schedule, demonstrating institutional excellence in educational governance and transparency initiatives.



### Comprehensive Project Overview:

The Social Audit of Samagra Shiksha represents India's flagship integrated scheme for comprehensive school education, encompassing the entire spectrum of elementary education including Primary schools, Upper schools, Composite schools, and KGBV (Kasturba Gandhi Balika Vidyalaya) schools. This initiative ensures inclusive and equitable quality education perfectly aligned with the National Education Policy 2020 framework. The Social Audit constitutes a community-led evaluation process that ensures transparency, accountability, and participatory monitoring of educational program implementation across multiple organizational levels.

**Project Scope :** Comprehensive training and social audit implementation covering 6,436 schools across 14 districts of Uttar Pradesh, involving detailed survey and assessment of social, financial, and institutional conditions of Basic Schools.

### Project Impact and Scope:

**The comprehensive initiative addresses critical educational governance areas viz:-**

- **Rights Verification :** Ensuring entitlements guaranteed under the RTE Act and funded through Samagra Shiksha are provided in schools in a timely and equitable manner
- **Financial Transparency :** Verifying timely issuance of authorization for expenditure to Schools/SMCs by appropriate Government under Single Nodal Account of Samagra Shiksha-SIS
- **Infrastructure Assessment :** Comprehensive evaluation of classroom facilities, furniture, toilets, drinking water, and electricity infrastructure, including monitoring of fund utilization
- **Safety and Security :** Ensuring a comprehensive safety environment for all students, with special focus on girl child security, while developing participatory approaches toward school development through community engagement
- **Data Verification :** Sharing and verifying information under school report cards (UDISE+) and monitoring enrollment, retention, and completion rates
- **Stakeholder Engagement :** Initiating and sustaining educational dialogue among grassroots stakeholders—children, parents, SMCs, and Education Officials—to enhance school development
- **Inclusive Education :** Protecting rights of Children with Special Needs (CWSN) and students from marginalized/vulnerable sections while supporting School Development Plan (SDP) and School Safety Plan (SSP) execution

### Statistical Excellence:

- **Comprehensive Coverage :** 6,436 schools across 192 Blocks of 14 Districts (20% of each District) throughout Uttar Pradesh
- **Community Engagement :** Over 40,000 stakeholders actively engaged, including Block Education Officers (BEOs), District Coordinators (DCs), and Block Officers (BOs)
- **Assessment Scope :** Comprehensive evaluation of social, financial, and institutional frameworks of Basic Schools across multiple parameters

### University-Industry Linkages:

The Department has forged transformative University-Industry Linkages through the landmark Social Audit Project with Samagra Shiksha, Uttar Pradesh, creating a pioneering tri-sector collaboration model that exemplifies academic-government-community convergence. This groundbreaking initiative demonstrates seamless integration of academic expertise with governmental policy implementation, establishing comprehensive professional training ecosystems for 40,000+ stakeholders across 14 districts. Our specialized training programs complement this government partnership, driving large-scale educational reform while earning national recognition from the Ministry of Education. This achievement positions the department as a catalyst for industry-academia convergence in public service delivery, setting new standards for educational governance and community engagement.

### Distinguished Academic Collaborations:

Number of Adjunct/Visiting Professors: 1

Prof. Elisabetta Marino (University of Rome "Tor Vergata") serves as our esteemed Adjunct Associate Professor. As Head of the "Asia and the West" Research Centre at University of Rome "Tor Vergata," Prof. Marino brings international distinction to our department with her accomplished academic portfolio featuring numerous prestigious international publications and groundbreaking research contributions.

### Academic Program Innovation:

New Academic Programs Launched in 2024-25: 1

Successful implementation and launch of the IV Year of BA NEP ENGLISH, representing our continued commitment to educational excellence and NEP 2020 compliance, providing students with cutting-edge curriculum design and comprehensive learning experiences.

### Corporate Training

Corporate Training Achievements: The faculty members Prof. H.M. Arif (Head, Languages and Nodal Officer, Social Audit Project), Dr. Aareena Nazneen (Assistant Professor, Languages and Nodal Officer, Social Audit Project), and Dr. Vanya Srivastava (Assistant Professor, Languages and Project Coordinator, Social Audit Project) successfully completed specialized training organized by Rajya Pariyojna Karyalaya, Samagra Shiksha, U.P., focusing on framework development, implementation strategies, and execution excellence for the Social Audit Project.

### Research Excellence and Doctoral Achievements:

- Ph.D. Degrees Awarded: 6
- Current Ph.D. Enrollments: 9



### Community Engagement and Social Impact:

Extension Activities: 2 Major Initiatives

Our department demonstrates unwavering commitment to community development through impactful extension activities:

- Water Equity and Hygiene Initiative Venue: Prathmik Vidyalaya, Bakshi ka Talab, Dashauli  
Collaboration: NSS Partnership Date: 22nd April 2025
- Vocational Skills for Rural India Program Venue: Prathmik Vidyalaya, Bakshi ka Talab, Dashauli  
Collaboration: NSS Partnership Date: 12th April 2025

These initiatives reflect our dedication to social responsibility and holistic student development through meaningful community engagement.

### Academic Excellence Recognition:

Students Qualifying in National/International Examinations: 1

(NET/SLET/GATE/GMAT/CAT/GRE/TOEFL/Civil Services/State Government Examinations)

### Strategic Institutional Partnerships:

MoU with National/International Institutions: Memorandum of Understanding with Samagra Shiksha, U.P. for the landmark Social Audit Project, establishing a foundation for ongoing collaboration in educational governance and community development.

# DEPARTMENT OF JOURNALISM & MASS COMMUNICATION

**Prof. Abdul Rahman Khan** : Dean

**Dr. Rashid Ansari** : HoD

Inaugurated during the challenging times of the COVID-19 pandemic in 2020, the Department of Journalism and Mass Communication at Integral University embarked on a journey of educational excellence. Initially, we commenced with a modest intake of just 8 students for the Bachelors of Journalism and Mass Communication (BJMC) program. Over the years, through unwavering dedication and collaborative efforts from our esteemed authorities and faculty members, the department has made significant progress and grown in both size and stature.

## **Programs Offered:**

### **Bachelors of Journalism and Mass Communication (BJMC):**

Our flagship undergraduate program, BJMC, has witnessed remarkable growth with the introduction of multiple batches. As of now, we have three thriving batches of BJMC students. Three batches have already successfully graduated.

### **Postgraduate Diploma in Journalism and Mass Communication (1 year):**

In line with our commitment to providing comprehensive education, we recently introduced a one-year Postgraduate Diploma in Journalism and Mass Communication, enabling students to delve deeper into the intricacies of the field. One batch has already graduated.

## **Noteworthy Achievements:**

Our department takes immense pride in the accomplishments of our students. A significant number of our BJMC graduates have secured placements in prestigious media houses and institutions such as the Indian Institute of Mass Communication (IIMC), Delhi, Aligarh Muslim University, Jamia Hamdard, Delhi and Lucknow University, among others. This exemplifies the high academic standards we uphold. Several of our graduates have embarked on successful professional journeys, securing positions with renowned media houses in Lucknow and Delhi. Their achievements serve as a testament to the practical knowledge and skills they gained during their time with us.

## **Vision and Future Endeavors:**

As the department moves forward, its vision remains unwavering – to nurture future leaders and professionals in the field of journalism and mass communication. It aims to continue expanding our academic offerings, fostering industry connections, and emphasizing hands-on learning experiences for our students. Through these efforts, we aspire to contribute to the ever-evolving landscape of media and communication. The Department is committed to excellence, innovation, and the holistic development of our students. We look forward to the continued growth and success of our department in the years ahead.

## **Highlights of major activities**

The Department organized a series of impactful academic, cultural, and outreach activities that enriched student learning and enhanced departmental visibility:

### **Workshops & Training:**

- Fact-Checking & Media Literacy (25–26 April 2025) in collaboration with Logically Facts (UK).
- Basic Techniques of Camera & Photography (14 Aug 2024) in collaboration with Canon India Pvt. Ltd.

### **Expert Talks & Guest Lectures:**

- World Press Freedom Day (3 May 2025) with Prof. Shafey Kidwai (AMU) and Dr. Rubaid Ashfaq (Amity University) on Gender Equity & AI in Media.
- Challenges for Aspiring Journalists in the Digital Age (27 Sept 2024) with Mr. Pranshu Mishra, Resident Editor, Hindustan Times.
- Insights into Sports Journalism (15 Jan 2025) by Mr. Devendra Sahu, Executive Producer, Star Sports.

- National Press Day (16 Nov 2024) with Dr. Manish Jaiswal (ITM University) and Mr. Rajiv Srivastava (Aapki Khabar News).
- Alumni interaction (23 Oct 2024) with RJ Mohammad Shameem Khan (FM Gold, AIR, New Delhi).

### Research Publications

- Indexed Journal Articles Published: 04

### Competitions & Student Engagement:

- Inter-University Debate Competition on Influencer Culture (12 April 2025).
- Essay, Slogan & Singing Competitions under UP Mission Shakti Abhiyan Phase 5 (25 Oct 2024).
- Communal Harmony/Quami Ekta Week (12 Nov 2024) with essay, painting, poetry, and singing contests.

### Educational & Cultural Activities:

- GLOBAL GROOVE 2025 – Cultural & Ethnic Fashion Show with participation of 195 students across departments (19 Feb 2025).
- Educational Visit to Nawabganj Bird Sanctuary for photography course (19 Jan 2025).
- National Voters' Day Pledge Ceremony (25 Jan 2025).

### Invited Lectures/Plenary Lectures

- On 3rd May 2025, organized an enlightening Expert Talk to mark World Press Freedom Day on the on the critical theme: "Promoting Gender Equity in Media: The Impact of AI on Mass Communication." The expert talk featured two distinguished academics as speakers. Prof. Shafey Kidwai, Professor and Dean at Aligarh Muslim University, delivered the keynote address. Dr. Rubaid Ashfaq, Associate Professor at Amity University, Noida, addressed the audience on the broader ethical and practical implications of AI integration in journalism.
- A Lecture was organized on the occasion of National Press day on 16-11-2024. Dr. Manish Jaiswal (HOD Mass Communication-ITM University Gwalior) and Mr. Rajiv Srivastava (Founder & Editor of Aapki Khabar News) were the primary guest speakers.
- On 15th January 2025, the Department of Mass Communication hosted an expert talk featuring Mr. Devendra Sahu, a seasoned journalist and current Executive Producer, Star Sports overseeing Hindi cricket programming.
- The Department and the Alumni Welfare Association of Integral University organized an engaging interaction session with Dr. Mohammad Shameem Khan, a renowned Radio Jockey at FM Gold, All India Radio, New Delhi, and esteemed alumnus of Department of Mass Communication, Integral University, Lucknow. The event took place on October 23, 2024, at The session aimed to provide students with valuable insights into the field of journalism and mass communication, particularly in radio broadcasting, television production.

### Curricula Developed and Implemented

The curricula developed and implemented in the Department are designed with a strong focus on relevance to local, regional, national, and global developmental needs. The course structure integrates theoretical knowledge with practical exposure to ensure adaptability to contemporary industry demands. Special emphasis is placed on courses and modules that foster employability, entrepreneurship, and skill development, enabling students to build competencies in line with media, communication, and digital industry trends. By aligning the curriculum with 21st-century professional skills, community engagement, and global perspectives, the Department ensures that students are well-prepared to contribute effectively at multiple levels of society and industry.

### ICT enabled tools including online resources

The department effectively integrates ICT-enabled tools to enrich the teaching and learning processes. Various online resources such as Learning Management Systems (LMS), digital libraries, e-journals, online databases, virtual classrooms, and multimedia content are used to provide students with interactive and engaging learning experiences. Faculty members employ ICT tools for delivering lectures, conducting online

assessments, facilitating discussions, and sharing study materials. These resources not only supplement traditional classroom teaching but also promote self-paced learning, critical thinking, and wider access to knowledge beyond physical boundaries.

### Workshops/Seminars on Research Methodology

On 14th August 2024, organized Workshop on "Basic Techniques of Camera and Photography" in collaboration with Canon India Pvt. Ltd. The workshop explored the fundamentals of camera operation, lighting, composition and other related techniques.

Successfully hosted Inter-University Debate Competition on 12 April 2025, on the topic "Implications of Influencer Culture on Younger Audiences". With the influencer culture rapidly evolving into a dominant force in shaping youth opinions, values, aspirations, and self-perception, the topic sparked rigorous intellectual discourse among participants and attendees alike. More than 25 participants from various universities took part in the debate.

### A brief about two best practices successfully implemented by the department.

1. The department regularly organizes interactive sessions, workshops, and lectures by eminent media professionals from print, television, radio, and digital platforms. This initiative bridges the gap between classroom learning and industry practice, enabling students to learn emerging trends, professional ethics, and practical skills directly from practitioners.
2. The department has developed a culture of hands-on learning by encouraging students to conceptualize and produce news bulletins, podcasts, documentaries, and news reports. These student-driven projects simulate real newsroom and production environments, allowing learners to work as reporters, anchors, editors, and producers.

### A brief on student's progression and placements.

Sr. No.	Students Name	Batch	Organization	Position
1	Atisha Bhtacharya	2022-23 (BJMC)	Live News x	News Anchor
2	Swati Pandey	2022-23 (BJMC)	Aapki khabar	News Editor
3	Nikita Kanujiya	2022-23 (BJMC)	Aapki khabar	News Anchor & Reporter
4	Vaishnavi Nigam	2022-23 (BJMC)	The Page19	Anchor & Editor
5	Rajat Kanujiya	2022-23 (BJMC)	The Page19	Video Editor
6	Mohd Hamza Khan	2022-23 (BJMC)	Lovely University	M.Sc. Film & Television
7	Md. Faizan Khan	2022-23 (BJMC)	AMU	MA- Mass Communication
8	Subuk Zehra	2022-23 (BJMC)	Lucknow University	MJMC
9	Mohd Nurain	2024-25 (PG Diploma)	TNP News Channel	Asst. Producer
10	Ubaid Haider Rizwi	2024-25 (PG Diploma)	Sigma News	City Reporter
11	Mariyam Khan	2024-25 (PG Diploma)	Hind Watan	Sub Editor
12	Sidra Siddiqui	2024-25 (PG Diploma)	Freelance	Anchor & VO Artist

# FACULTY OF ARCHITECTURE, PLANNING AND DESIGN

Prof. Zeba Nisar : Dean

Prof. (Dr.) Safullah Khan : HoD



Hon'ble Chancellor & Founder graced the final year Architectural Thesis Jury with his blessings and appreciation. (May 2025)



A glimpse of our students engaging in the outdoor Extension Activity - Shakti Utsav, celebrating Women Empowerment.



Our students displayed their talent at the Lucknow Times Fashion Week - a proud moment of creativity and confidence on the runway.

Established in 1999, Faculty of Architecture, Planning and Design (FoAPD) is the pioneering Faculty of Integral University, offering quality education in architecture, planning, and design. The Faculty has expanded its academic portfolio to include:

- UG Programs: B.Arch., B.Des. (Product & Interior Design), B.Des. (Fashion Design)
- PG Programs: M.Arch., M.Plan., and M.Arch. (Part-time)
- Doctoral Program: Ph.D.

With a strong emphasis on interdisciplinary learning and innovation, FoAPD nurtures a holistic understanding of the built environment and its societal impact. Recognized for academic excellence, Integral University has awarded the NAAC A+ Grade in 2023, and FoAPD was ranked 2nd in Uttar Pradesh

and 30th nationwide (IIRF 2024, Private Universities category). "Being the oldest centre of architectural education among private universities in the state, we are committed to delivering excellence," stated Prof. S.W. Akhtar, Hon'ble Chancellor & Founder of Integral University.

### Highlights of the major activities and achievements during the Academic Year 2024-25 (July 2024 to June 2025), in an abridged/crisp form. -

- i. Global Human Resource Development Centre Pvt. Ltd. [GHRDC]: Architecture Colleges Survey 2025 awarded the faculty 6th rank in the Category of Excellence, 1st rank in the State of Uttar Pradesh and 3rd Rank in the Northern Region.



The FoAPD secured 1st Rank in Uttar Pradesh, 3<sup>rd</sup> in the Northern Region, and 6th in the Category of Excellence in the GHRDC Architecture Colleges Survey 2025.



The FoAPD has been ranked 25th at the national level and 2nd in the state by the IIRF 2025 under the category of Best Architecture Colleges (Private).

- i. IIRF ranked the Faculty of Architecture, Planning and Design 2nd Best Institute in Uttar Pradesh and 25th in the Country: The Faculty of Architecture, Planning & Design has been ranked 25th in the country and 2nd in the State of Uttar Pradesh. This progress has not been achieved overnight, as it involves hard work towards equipping our students with the best possible training in Architecture, helping them realize their potential considering the massive demand for Indian Architects worldwide.
- ii. India Today MDRA ranking: The India Today-MDRA ranking is an annual survey that evaluates colleges and universities across various disciplines in India. The Faculty of Architecture, Planning & Design has been ranked 3rd Best Institute in Uttar Pradesh (Private) and 31st in the Country.
- iii. Empanelment of Adjunct Professor: Ar. Mary K. Judy, Principal Architect- Award winning Architectural Conservator and Preservation Consultant/certified "Woman Business Enterprise" (WBE), New York City has been associated as Adjunct Professor in FoAPD.
- iv. Deeksharambh, Vriksharopan Jan Abhiyan 2024 and City Tour: The Student Induction Program for newly admitted UG and PG students of FoAPD and IIPSR was held in the first week of August 2024. As part of the "Vriksharopan Jan Abhiyan 2024" initiated by Hon'ble CM Shri Yogi Adityanath, saplings were planted at the Phase-3 Campus, with first-year and senior students pairing up to nurture them throughout their academic journey. A city heritage tour was organized, including visits to Bara Imambara and the British Residency, where students explored architectural features, historical significance, and created sketches and photo documentation.
- v. Educational Tour - As part of the B.Arch. program and as mandated by the Council of Architecture, an annual Educational Tour is organized by FoAPD. For the 2024 - 25 session, students of 1st to 3rd year visited Rajasthan and Mahmudabad, accompanied by faculty. The tour offered hands-on learning through site visits, sketching, and observation, followed by documentation and submission of their experiences.

<b>Tour Type</b>	Mandatory Educational Tour (as per curriculum and CoA guidelines)	
<b>Organized by</b>	Faculty of Architecture, Planning and Design (FoAPD)	
<b>Participants and Tour Location</b>	1 <sup>st</sup> Year B.Arch., B.Des (PID & Fashion) Students	Rajasthan
	2 <sup>nd</sup> & 3 <sup>rd</sup> Year B.Arch., B.Des (PID & Fashion) Students	Mahmudabad
<b>Learning Activities</b>	Site visits, architectural observation, sketching exercises	
<b>Outcome</b>	Post-tour documentation and submission in the form of sheet presentation and a 3D model.	

- v. The workshop was organized on Painting Competition-Uttar Pradesh Diwas 2025 on 24th January 2025.
- vi. Students from the Faculty of Architecture, Planning & Design won top positions in Rangoli, Best out of Waste, Sketching, Ink Art, and Photography during Artistic Fiesta 2025.
- viii. The faculty inspection for the academic session 2024-2025, undertaken to assess and facilitate the upgradation of the faculty, was conducted by Prof. Vandana Sheghal and Ar. Nand Lal Chanderi, esteemed experts nominated by the Council of Architecture.
- xi. Teacher Training Program in Collaboration with Council of Architecture Training & Research Centre, Pune: In collaboration with COA-TRC, Pune, the Faculty of Architecture, Planning & Design, Integral University, organized a five-day online Teachers' Training Program on Academic Writing in Architecture and Design from 21st-25th April 2025. Convened by Prof. Jayashree Deshpande, the program focused on enhancing academic writing skills, ethical practices, publishing, and the use of AI in writing.



FoAPD Organized Teacher Training Program conducted by COA-TRC.

### A brief on Research projects being undertaken by the faculty.

FoAPD has won a prestigious Research Grant from Oxford Brookes University, UK. In the Project, Prof. (Dr.) Safiullah Khan (PI), and project collaborators Pl. Abdul Quadir & Ar. Mohammad Salman will examine the Kath Kuni Architectural style of Kullu, HP, which combines traditional construction techniques, Wood and Stone to create resilient and earthquake-resistant structures.

### Program taken up involving Inter-Institutional Collaboration-

- The Faculty of Architecture and Planning & Design (FOAPD), Integral University actively engaged in various inter-institutional collaborative programs aimed at academic enrichment, cultural exchange, and professional development. Notable initiatives included:
  - i. **Expert Session on AI in Architecture** : A national expert session titled "Integrating Artificial Intelligence in Architecture: Research Trends & Innovations" was organized in collaboration with the School of Planning and Architecture (SPA), Vijayawada. The event featured eminent speakers from renowned institutions like NIT Calicut, BMS College of Engineering Bengaluru, IIT Roorkee, and SPA Vijayawada, offering valuable insights into AI applications in architectural research and practice.
  - ii. **Participation in Sanatkada Mahotsav Fashion Show** : On 1st February 2025, students of FoAPD participated in a culturally immersive fashion show during the Sanatkada Mahotsav held at Safed Baradari, Lucknow. This collaboration showcased traditional crafts through innovative fashion design, promoting cultural storytelling and sustainability.

### A brief on Seminar/ Conferences held by faculty at the National/International level.

- The Faculty organized two significant academic events at the National level, aiming to enhance interdisciplinary learning and deepen the understanding of interior design from conceptual, artistic, and cultural perspectives. These events brought together experts, faculty members, scholars, and students from various institutions to share insights and best practices.
- i. **Conceptual Aspects of Interior Design** : From Initial to Final Stage: This national-level seminar focused on the complete design journey in interior architecture, starting from the ideation stage to the final execution. Topics covered included client briefs, conceptual sketches, design development, material selection, spatial zoning, and presentation techniques. Eminent architects, interior designers, and academicians presented case studies and discussed contemporary approaches and technologies in the design process. The event fostered an engaging dialogue on bridging academic knowledge with real-world application.
- ii. **Aspects of Art and Cultural Materials Used in Interior Design** : This seminar highlighted the significance of traditional art forms, cultural symbolism, and heritage materials in shaping interior environments. Emphasis was laid on indigenous crafts, regional aesthetics, sustainable materials, and their integration into modern design language. Renowned artists, cultural historians, and design professionals deliberated on the relevance of preserving and promoting cultural identity through interior spaces. The seminar served as a platform for encouraging the use of local resources and crafts in design practices. Both events successfully promoted academic enrichment, cultural sensitivity, and practical exposure among students and faculty, contributing to the faculty's commitment to excellence in interior design education.

### A brief on University- Industry Linkages.

Students undergo two semester practical training in a professional's office/ Firm/ Company to acquaint themselves with various works, procedures etc. of the architecture profession. The faculty keeps on organizing activities in collaboration with professionally active bodies such as: Institute of Indian Interior Designers (IIID), Indian Institute of Architects (IIA), Lucknow Architects Association (LAA), Indian Society of Heating, Refrigerating and Air Conditioning Engineers (ISHRAE), Uttar Pradesh New and Renewable Energy Development Agency (UPNEDA), JKAYA, etc.

### A brief on Specific Collaborative Arrangements -

- **Yoga Series with Heartfulness Institute** : Regular yoga and meditation sessions were conducted in collaboration with the Heartfulness Institute, promoting well-being and culminating in the International Day of Yoga celebrations.
- **Fashion Shows at Lulu Mall & Phoenix Palassio Mall** : B.Des. Students displayed their designs at fashion shows held in Lulu Mall and Palassio Mall, gaining real-world exposure and industry interaction.
- **Cultural Event at Safed Baradari** : A design and heritage-based cultural event was organized at Safed Baradari, celebrating creativity and cultural awareness.
- **FDP in collaboration with SPA Vijayawada** : A Faculty Development Program was held in partnership with SPA Vijayawada, focusing on urban design and academic enrichment.
- **Volunteering for Lucknow Architecture Alumni (LAA)** : Students participated as volunteers in LAA events, contributing to coordination, documentation, and gaining hands-on experience.

### Number of Invited Lectures/Plenary Lectures organized by the Faculty-

- i. Organized a Fluid Painting Workshop on 20th January 2025, conducted by Ar. Sidra Sabahat and Mr. Aaqib Ahmad. The session introduced students to fluid art techniques like dirty pour and swipe, followed by a hands-on activity. It highlighted the connection between visual art and architectural creativity, encouraging students to explore beyond traditional drafting. The workshop saw enthusiastic participation and fostered a vibrant atmosphere of artistic experimentation.
- ii. The Faculty of Architecture, Planning and Design oOrganized an Expert Lecture on "Conceptual Design

in Interior Design” on 23rd January 2025, led by Ar. Tariqul Islam and Ar. Khurram Ashraf. The session focused on spatial planning, user needs, and narrative-driven design, providing students with practical insights through case studies and interactive discussions.

- iii. Organized an Expert Lecture on “Modular Design in Rapid Prototyping” on 1st March 2025, conducted by Ar. Sabeeha Haq, Ar. Fahad Aslam, and Ar. Tariqul Islam. The session introduced students to modular systems and their role in enhancing design flexibility and efficiency, with insights into 3D modeling and fabrication. Interactive discussions and case studies connected theoretical knowledge with real-world applications.
- iv. Organized an Expert Lecture on “Complex Building Design” on 10th March 2025, delivered by Ar. Fahad Aslam and Prof. (Ar.) Zeba Nisar. The session explored strategies for handling large-scale, multifunctional projects, focusing on structural systems, spatial planning, and sustainability. Case studies and professional insights helped students understand the technical and conceptual challenges of complex architectural design.
- v. Conducted an Expert Lecture on “Parametric Design” on 20th April 2025, featuring Prof. (Ar.) Zeba Nisar, Ar. Shriya Agrawal, and Mr. Irfanullah Khan. The session introduced students to computational design tools like Grasshopper and Rhino, highlighting their role in exploring complex forms and automating design processes. Live demonstrations and discussions offered practical insights into parametric workflows in contemporary architecture.

#### Number of Adjunct /Visiting Professor associated with the Faculty with their brief profile:

Adjunct Professor		
1.	Ar. Mary K. Judy	Designation: Principal Architect - award winning Architectural Conservator and Preservation Consultant/ certified “Woman Business Enterprise” (WBE), New York City.
Visiting Professor		
1.	Ar. Abhay Rajan	Architect / Planner
2.	Ar. Jyoti Singh	Architect / Planner
3.	Ar. Rajarshi	Architect / Planner
4.	Ar. Roli Singh	Architect
5.	Ar. Salman Nasir Khalil	Architect
6.	Ar. Sana Raza	Architect
7.	Ar. Shaikh Faisal Ali	Architect
8.	Ms. Ayushi Shukla	Fashion Designer

#### Number of New Academic programs started in the academic session 2024-25.

- M.Arch Part Time started in session 2024-25.

#### Consultancy Assignments handled Corporate Training obtained.

- i. Keeping pace with the vision and mission of the University, the Faculty Consultancy Cell is established at faculty level comprising a committee of faculty members and the authorities of the institution, duly authorized to initiate and conclude the projects. In view of this the Faculty is currently engaged in various consultancy projects like residential, institutional, and commercial, which are listed below -

- ii. Redevelopment of Integral University, Phase-III Landscape.
- iii. Urban Design Intervention by our Final year students.

**A mention that curricula developed and implemented have relevance to the local, regional, national, and global developmental needs, and the courses having focus on employability/ entrepreneurship/ skill development -**

- The curriculum developed and implemented for the programs under the Faculty of Architecture, Planning and Design has relevance to the local, regional, national and global development needs. The courses under various programs have focused on employability/entrepreneurship/skill development, which has been clearly mentioned in the Study & Evaluation Scheme. Faculty workshops, seminars, Placement drive fashion shows were conducted for employability / entrepreneurship / skill development.

**Mention that ICT-enabled tools, including online resources for effective teaching and learning processes, are used.**

- The faculty members adopt various teaching pedagogy with ICT to make the teaching learning process effective and thus create a learning environment conducive for critical thinking, creativity and scientific temper. The faculty members use teaching pedagogy like interactive learning, group discussion, case studies, constructive / problem solving learning, etc. Students and teachers regularly follow NPTEL and utilize other e-resources to augment their teaching and learning.
- The Integral Learning Management System (LMS) is used by the faculty members for uploading all course related study materials, presentations, notes, assignments, etc. which are easily available to the students at any point of time. Video lectures prepared by the faculty members are uploaded online on LMS, Uttar Pradesh Higher Education Digital Library and an online e-learning portal by Government of Uttar Pradesh and YouTube for easy access to the students.

**Number of workshops/seminars conducted on Research methodology, Intellectual Property Rights (IPR), entrepreneurship, skill development.**

**i. Workshops - 2 (Fluid Painting & 3d Painting Workshop)**

- The Faculty of Architecture, Planning and Design organized a hands-on 3D Painting Workshop on 10th October 2024, conducted by renowned artist Mrs. Rashmi Shukla, alumna of Lalit Kala Academy, Lucknow. The session introduced students to the fundamentals of 3D painting, focusing on depth, perspective, and shading using acrylics, while enhancing their creative expression through texture and color manipulation.
- Organized a Fluid Painting Workshop on 20th January 2025, led by Ar. Sidra Sabahat and Mr. Aaqib Ahmad. The session introduced expressive techniques like dirty pour, swipe, and ring pour, blending art with architectural thinking. Students actively participated in creating abstract artworks, fostering creativity beyond conventional tools and offering a refreshing break from routine academics.

**ii. Placement drive for entrepreneurship -**

- In line with the faculty's commitment to bridging academic learning with professional opportunities, the Faculty of Architecture, Planning and Design organized a Placement Drive on 21st April 2025 for the final year students of Bachelor of Architecture and Bachelor of Design (Product & Interior Design) on 21st April, 2025.

**Extension activities in the neighborhood community in terms of impact and sensitizing students to social issues and holistic development-**

Women's Day celebration, Voter's Day celebration.

**Number of awards received by the faculty, its teachers and students from Government/Government recognized bodies, National & International Agencies in recognition of the extension activities. -**

- I. Prof. Zeba Nisar was awarded a Certificate of Excellence in Peer-Reviewing by BP International on 9th February 2025 for her outstanding contribution to academic book review, and also successfully completed the "NEP 2020 Orientation & Sensitization Program" under the Malaviya Mission Teacher Training Program (MMTTP) of UGC, held from 10th to 19th February 2025 at Shri Mata Vaishno Devi University, Katra.



Prof. Zeba Nisar, Dean, FOAPD, IU, received Certificate of Excellence in Peer-Reviewing - BP International



Prof. Zeba Nisar, Dean, FOAPD, IU, attended NEP 2020 Orientation & Sensitization Program - conducted under MMTTP of UGC organized by SMVDU, Katra, J & K.

**Prof. Zeba Nisar received 'Women of Substance' Award at SHAKTI Stree**

in HVAC & Architecture Awards on 31st August, 2024 for empowering women in technology.



Prof. Zeba Nisar received the Women of Substance' Award at SHAKTI Stree in HVAC & Architecture Awards on 31st August 2024 for empowering women in technology.



Prof. (Dr.) Saffiullah Khan, received the A3F Teacher Award at the A3 Foundation Awards 2023-24 held in Chandigarh on 2nd March 2024.

- iii. Prof. (Dr.) Safullah Khan has been awarded Best Teacher Award 2024.
- iv. Ar. Shriya Agrawal, Assistant Professor, Best Paper and Best Poster Award 2024

**No. of classrooms and seminar halls with ICT-enabled facilities such as LCD, smart board, Wi-Fi/LAN, audio video recording facilities. -**

- 3D Printer Lab: The faculty has cutting-edge technology in the 3D Printing facility at the university workshop. CNC 8 Laser Cutting Lab: in the university workshop, the latest machinery for laser cutting and CNC is available for model making.
- Computer Lab (CADD): The Lab is equipped with 70 high-configuration terminals and loaded with the latest licensed architectural software. A plotter and scanning facility is also available.
- Survey & Climatology Lab: Instruments are available as per two modules of intake. In addition, the faculty also shares the Civil Engineering Survey lab, which has a facility of total station. The lab is well equipped with modern instruments of climatology as well as Heliodon.
- Construction Yard: to make students aware of the practical application of theory. Material Museum: For better exposure to new materials and construction techniques material museum is available which is enriched from time to time.
- Model Making/ Exhibition Room: The faculty museum is well equipped with model-making tools; instruments etc. and has ample space for working and exhibition.
- Photography Lab: Well equipped for enhancing visual perspective and photography equipment.
- National Association of Students of Architecture (NASA) Activity Hall: For encouraging extracurricular activities, a space has been earmarked for motivating the participation of students and boosting morale.
- Faculty Library & E-Resources: The Library is well equipped with modern learning facilities. The number of volumes and titles are maintained as per the guidelines of the Council of Architecture. The seating capacity of the library is 100. OPAC and e-learning facilities are also available. Apart from the Faculty Library, the Central Library is also available.
- Fashion lab: Well equipped with modern instruments required for fashion design.
- Textile lab: Well-equipped lab with necessary tools for textile studies

**No. of students qualifying in state/national/international level examinations. (eg: NET/SLET/GATE/GMAT/CAT/GRE/TOEFL/Civil Services/State Government Examinations).**

- NIL

**Number of awards/medals won by students for outstanding performance in sports/cultural activities at inter-university/state/national/international events. -**

**A brief about two best practices successfully implemented by the faculty.**

Promoting Learning with Commitment to society, environment, accessibility and sustainability: The curriculum is aligned to SDGs to sensitize students towards sustainable development and also to make them understand the role of an architect in developing a sustainable environment

- Creating Core Competency in students by reorienting the teaching and learning process to develop:
  - I. Promoting Personal Competency: critical thinking, creativity, ability to plan and organize, teamwork, leadership, self-discipline, dedication, analysis, synthesis, skills etc.
  - ii. Ensuring Special Competency in terms of: Ability to create architectural designs with functions/aesthetics Ability to perceive and understand relation between people and buildings, buildings and environment, and environment and society. Knowledge of research methods and consultancy projects. Knowledge of physical problems and various technologies.

## A brief on students' progression and placements -

In line with the Faculty's commitment to bridging academic learning with professional opportunities, the Faculty of Architecture, Planning and Design organized a Placement Drive on 21st April 2025 for the final year students of Bachelor of Architecture and Bachelor of Design (Product & Interior Design) on 21st April, 2025. The initiative aimed to provide a platform for aspiring graduates to connect directly with industry leaders and explore potential career opportunities. The primary objective of this drive was to facilitate meaningful interaction between students and established professionals, fostering an environment of opportunity, exposure, and professional growth. Such initiatives play a pivotal role in preparing students for real-world challenges and ensuring a smooth transition from academia to professional practice.

**The following architectural firms visited the faculty for recruitment purposes, and the students listed below participated in the interview process.**

S. No.	Architect	Architectural Firm	No. of Students Appeared	No. of Students Selected	Package Offered (Per Annum)
1.	Ar. Shiva Chandra	<i>Architect's Hut</i>	12	2	2.4 Lpa - 3.4 Lpa
2.	Ar. Abhay Rajan	<i>V2 Arch Design</i>	15	3	2.6 Lpa - 3.6 Lpa
3.	Ar. Abu Saleh	<i>Vastulinear Consultants</i>	11	2	2.2 Lpa - 3.4 Lpa
4.	Ar. Harsh Shukla	<i>Amodha Architects</i>	13	2	2.4 Lpa - 3.2 Lpa
5.	Ar. Rohit Verma	<i>Greenline Architects</i>	15	3	2.4 Lpa - 3.6 Lpa
6.	Ar. Juwairiya Qamruddin	<i>Beyond Fika</i>	15	4	3.0 Lpa - 4.0 Lpa

## Extension and outreach program through NSS, Swatch Bharat, Unnat Bharat Abhiyan.

The Faculty has actively engaged students and faculty in various national-level and community-based extension and outreach initiatives aimed at social responsibility, cultural engagement, and professional development. These activities were aligned with the objectives of the National Service Scheme (NSS), Swachh Bharat Abhiyan, and Unnat Bharat Abhiyan, fostering holistic learning and community connect. The key activities undertaken during the year include:

- I. **Blanket Distribution Drive:** Conducted in collaboration with Social-CoLab, this initiative involved students distributing blankets to underprivileged communities during the winter season, promoting social empathy and volunteerism.



A Blanket Distribution Drive was held in collaboration with Social-CoLab, where students distributed blankets to underprivileged communities, fostering empathy and volunteerism.

- i. **Mahindra Sanatkada Lucknow Festival (MSLF 2025):** Students volunteered at this prestigious cultural festival in collaboration with FOAPD, gaining exposure to event management, heritage promotion, and creative design installations.
- ii. **Participation in 'SRUJAN' at Bharat Parv, Republic Day 2025:** Students showcased their design talent at this national-level exhibition curated under Bharat Parv celebrations, emphasizing the role of young designers in national integration and cultural expression.
- iv. **Fashion Ramp Walk at MSLF 2025:** Students staged a creative ramp walk highlighting traditional crafts and sustainable fashion, blending design education with cultural storytelling and aesthetic expression.
- v. **Participation in Archumen - Architectural Quiz:** Architecture students participated in Archumen, a nationally recognized platform for intellectual engagement and competitive learning in architecture.
- vi. **Volunteer Work at Lucknow Architecture Festival:** Student volunteers from the faculty supported the execution of this major architectural event, gaining insights into contemporary practice and professional networking.
- vii. **Participation in Times Fashion Week:** Students engaged with industry professionals during this fashion event, observing design trends and backstage coordination, thus extending their classroom learning to real-world contexts.
- viii. **Visit to NIFT Raebareli for Craft Bazaar:** This educational visit exposed students to indigenous crafts, material innovation, and fashion entrepreneurship, aligning with the objectives of Unnat Bharat Abhiyan.
- ix. **IIID Synthesis Participation:** Students participated in IIID Synthesis, a national platform for dialogue on interior design innovation, sustainable practices, and industry-academia collaboration.
- x. **Visit to Khandi Mahotsav 2025 at Indira Gandhi Pratishthan, Lucknow:** As part of cultural immersion, students explored regional crafts, art forms, and their application in design, furthering appreciation for vernacular heritage.

#### **MoU linked with National/International Academic and Research Institutions/Industries/NGOs.**

The MoU was signed between the faculty of architecture, planning and design, Integral University, Lucknow, and UPNEDA, which will help in propagation, promotion and enhancement of research in the use of renewable energy systems and means of saving energy in various sectors.

# DEPARTMENT OF BUSINESS MANAGEMENT

**Dr. Rajiv Ranjan** : Dean & HoD

Integral Business School (IBS), formerly known as the Department of Management, has been a vital part of Integral University since 2004 and now stands reimagined as a modern, forward-thinking business school committed to academic excellence and innovation. Nestled within the university's most advanced, state-of-the-art campus, IBS is the embodiment of the university's vision to redefine business education for an interconnected world. In the words of Founding Chancellor, Prof. Syed Waseem Akhtar, "IBS represents the newest chapter in our journey of innovation and excellence, aims to redefine business leadership." Recognized nationally and internationally, IBS has earned the 76th position in the IIRF Best B-Schools 2025 rankings and

is categorized as an AA+ business school by Career360 magazine. The flagship MBA program is accredited by the National Board of Accreditation (NBA) under the Ministry of Education, reaffirming the school's commitment to quality and outcomes-focused learning.

IBS distinguishes itself through its industry-integrated programs that prepare students for real-world leadership. The MBA in Supply Chain Management (MBA-SCM) program stands out for its specialized focus on the strategic, operational, and technological aspects of supply chains in today's globalized and rapidly evolving business environment. Its uniqueness lies in the integration of traditional MBA core competencies with deep, real-world knowledge of logistics, procurement, operations, and analytics. The flagship MBA-M.Sc. Dual Degree Program, offered in collaboration with Széchenyi István University in Hungary, provides global exposure and delivers one of the best returns on investment among business programs in India. Additionally, the business school offers specialized programs in high-demand fields such as Business Analytics, with IBM as a knowledge partner. These collaborations not only enhance the curriculum but also ensure that students gain hands-on experience with real-time industry practices. IBS offers these specializations at both undergraduate (BBA) and postgraduate (MBA) levels, with programs that include features like on-the-job training, data labs, and immersive learning experiences.

The vibrant and modern 52-acre IBS campus is designed to provide students with a dynamic and enriching learning environment. Equipped with digital podiums, acoustically optimized smart classrooms, an IBM sponsored computer lab, seminar halls, a dedicated library, and a 2000+ seat auditorium, the infrastructure is tailored to support innovation and collaborative learning. Students also benefit from a range of amenities such as on-campus hostels, a student mess, 24/7 medical services, a gym, and various recreational facilities. With a strong focus on placement outcomes—median MBA package of 8.5 LPA and highest up to 11 LPA—and a robust alumni network spread across national and international chapters, IBS is uniquely positioned to shape the next generation of business leaders. The incoming batch of 2025 joins a legacy of academic excellence, global vision, and social impact.

## **Highlights of the major activities and achievements during the Academic Year 2024-25 (July 2024 to June 2025), in an abridged/crisp form.**

- i. The MBA program offered by Department of Business Management was reaccredited by National Board of Accreditation (NBA) for 3 years July 2025 to June 2028.
- ii. The department was rated AA+ by career360 magazine and ranked 76th in India by IIRF.

## **Programmes taken up involving Inter- Institutional Collaboration.**

- Industrial Visit at Gyan Dairy (Collaboration with College dekho)
- OJT/NOC Induction Program held on 8th April 2025 (Collaboration with College dekho)

## **A brief on Seminar/ Conferences held by department at the National/International level.**

Integral Business School conducted a series of academic, professional, and awareness-driven programs during the session 2024–25, focusing on research, innovation, entrepreneurship, financial literacy, and social responsibility.

Key highlights include a seminar on Intellectual Property Rights, faculty development in statistical research tools, and multiple sessions on entrepreneurship and AI-driven business strategies. Students were engaged through creative activities like poster-making and informed through workshops on safe banking and financial literacy.

The institution also marked important days such as National Voters Day, World Cancer Day, Women's Day, and World Environment Day to foster civic sense and social awareness. Induction programs and interactive initiatives like the Wish Tree activity contributed to student motivation and community building.

These initiatives reflect the school's commitment to holistic development and preparing students for dynamic professional and social roles.

### **A brief on University- Industry Linkages.**

Integral Business School maintains strong industry linkages with leading organizations like CollegeDekho and IBM, offering students valuable exposure through specialized programs, expert sessions, and industrial visits. These collaborations bridge the gap between academics and industry, enhancing practical learning and employability skills.

### **A brief on Specific Collaborative Arrangements.**

Integral Business School has established strategic collaborations with CollegeDekho and IBM to provide industry-aligned learning experiences. As part of this arrangement, both organizations have set up dedicated labs on campus, equipped with industry-relevant tools and technology. Additionally, expert faculty from IBM and CollegeDekho regularly conduct sessions and workshops, ensuring students gain hands-on experience and updated knowledge in emerging domains. This collaboration significantly enhances students' practical skills, making them industry ready.

### **A Brief on Community welfare/ Charitable activities undertaken during the year. Three Activities**

Integral Business School actively engaged in various community-oriented and charitable initiatives aimed at promoting social responsibility, environmental awareness, and public well-being. The placement of a Wish Tree on campus served as a motivational and reflective space for students and staff, encouraging positive thoughts and shared aspirations. Through the Extension Activity: Educational Exploration, students extended learning beyond the classroom, engaging with communities to broaden their social and educational understanding.

The Road Safety Awareness Program emphasized responsible citizenship by educating students and the local community on traffic rules and safe commuting practices. Additionally, the institution observed International Yoga Day 2025 by launching the "One Yoga, One Plant" Tree Plantation Drive, promoting both personal well-being and environmental sustainability.

### **Patents**

S.N	Patent Application No.	Status Of Patent (Published / Granted)	Inventor/S Name	Title Of The Patent
1	202421053696	Published	Dr. Syed Shahid Mazhar	Investigating The Impact Of Behavioural Biases And Financial Literacy In Financial Decision Making Among Working Women In India
2	202441040817	Published	Dr. Priyanka Bajpai	Ways And Indicators Of Ensuring The Quality Of The Educational Process In Educational Institutions
3	437080-001	Published	Dr. Gaurav Bisaria	Student's Skill Learning And Monitoring Device
4	437080-001	Published	Dr. Mohd Ariz Siddiqui	Student's Skill Learning And Monitoring Device

5	202441061956	Published	Dr. Afreen Fatima	Personality Traits, Risk-Taking Behaviors And Self-Regulation In Young Adults
6	202511014881 A	Published	Dr. Orooj Siddiqui	Impact Of Pradhan Mantri Jan Dhan Yojana On Alleviation Of Poverty With Special Reference To Uttar Pradesh

### Invited Lectures/plenary Lectures organised

Integral Business School organized a series of impactful lectures, masterclasses, and seminars bridging academics with industry practice. On October 5, 2024, Prof. (Dr.) Rihan Khan Suri (Jamia Millia Islamia) delivered a lecture on Entrepreneurship & Innovation as Career Opportunities, inspiring students to embrace creativity and problem-solving. On October 7, Ms. Stuti Lal, Founder of Bikalp Herbals, led an Entrepreneurial Masterclass on Preventive Healthcare, engaging students with real-life case studies and product experiences. On October 22, Mr. Sandeep Dinodiya, CEO of SimplAI, presented Transforming Business Processes with Simple AI, sharing practical strategies for leveraging AI to drive innovation. This was followed by the Sustainability Lecture Series on October 25, with Mr. Pankaj Mishra, MD & CEO of Amrit Milk Organic, speaking on Sustainable Supply Chains in Organic Dairy. Continuing into 2025, on January 25, Dr. Siddhartha Priya (IIT Kharagpur, IIM Ahmedabad alumnus) addressed Cost Rationalization and Funding Foresight for Startups, offering critical insights for entrepreneurs. On February 1, Kumar Saurabh and his team from ICICI Bank conducted a session on Safe Banking, raising awareness on cyber frauds and financial security. Together, these initiatives highlight Integral Business School's commitment to fostering innovation, entrepreneurship, sustainability, and financial literacy among students and faculty.

### International Visitors

1. Sándor Remsei PhD, Dean of the Kautz Gyula Faculty of Business and Economics, and
2. Majid Movahedi Rad, Vice-Dean of the Faculty of Architecture, Civil Engineering, and Transport Science at SZE

### ICT enabled tools including online resources for effective teaching.

**Learning Management Systems (LMS) -ILI**

**Projectors and Smart Boards**

**Online Video Conferencing Tools**

**Google Workspace or Microsoft Office 365**

**Online Assessment Tools**

**Digital Libraries and E-Resources**

### The Details of seed money provided to teachers for research.

Four seed money projects in session 2024-25

Serial Number	Title of Seed Money Project	Name of Faculty	Amount
1.	Quest for an Empathetic Model of Aging: An alternative to the faced neglect and unmeaningful living at the Geriatric Age	Dr. Rajiv Ranjan	2,00,000
2.	Optimizing worker health, safety, and productivity in the fragrance industry through chemical innovation and management practices with special reference to Kannauj	Dr. Aisha Badruddin	1,60,000

3.	Empowering rural women for Viksit Bharat@ 2047: The integration of digital financial literacy, digital financial inclusion, and entrepreneurial self-efficacy	Dr. Afreen Fatima	1,60,000
4.	An evaluation of the role of AI in management education and research, focusing on its impact on the quality of life of research scholars at private universities in Lucknow	Dr. Abdul Tayyab Khan	1,55,000

### Extension activities in the neighborhood community

Integral Business School organized a series of impactful social outreach and awareness activities, reinforcing its commitment to community service and holistic education.

On October 4, 2024, a Wish Tree was placed on campus in collaboration with IUSS, BIG FM, and Swapna Foundation as part of Daan Utsav (Joy of Giving Week). The initiative encouraged faculty and students to fulfill the wishes of underprivileged children, fostering empathy, compassion, and collective responsibility.

On February 4, 2025, Club Euphoria observed World Cancer Day with a Pamphlet Designing Competition. Over 140 students participated, creating impactful designs that promoted cancer awareness and early detection. A short documentary screening and an awareness pledge further strengthened the initiative's impact. Winners included Shariq Shabbir (1st), Umra Naaz (2nd), and Mohd. Anas (3rd).

On February 1, 2025, in collaboration with NSS, the school conducted an extension activity titled Extended Educational Exploration in Village Behta. More than 400 students engaged in interactive sessions with primary school children, promoting literacy, numeracy, and educational awareness.

Together, these initiatives showcased Integral Business School's mission to blend academic learning with social responsibility, community engagement, and impactful student participation.

### Extension and outreach program through NSS, Swatch Bharat, Unnat Bharat Abhiyan.

- Extension Activity-Extended Educational Exploration in collaboration with NSS
- Extension Activity Road Safety in collaboration with NSS

# UNIVERSITY POLYTECHNIC

**Dr. Intezar Mahdi**- Principal



**University Polytechnic was awarded the Winner of Swachh Vibhag Puraskar 2024, jointly with the Department of Management & Architecture**

The foundation stone of the University Polytechnic was placed in 2010 with a vision of creating a team of enormously talented students who would dominate the technical world with their in-depth practical expertise. The mission progressed continuously and thousands of students currently use it as a lighthouse and a place of learning.

Right now the Polytechnic has 41 highly qualified and experienced teachers and 11 teaching supporting staff, including 9 Ph.D. holders and 32 M.Tech. in various disciplines. The department has 24 well-maintained classrooms and 22 labs for different programs.

Currently, it offers programs in various disciplines viz Diploma in Architecture Diploma in Civil Engineering Diploma in Computer Science & Engineering Diploma in Communication & Computer Networking Diploma in Electronics Engineering Diploma in Electrical Engineering Diploma in Mechanical (Automobile) Engineering Diploma in Mechanical Engineering. Diploma in Engineering is a three-year (6 semesters) course meant for High School passed outs. For admission to a Diploma in Engineering, a student must have Elementary Mathematics in High School. Lateral entry in the second year of the Diploma in Engineering is allowed for students who have qualified Intermediate (PCM) or 2 years ITI with High School.

Besides these regular programs, there are some other short-term courses including vocational courses viz Certificate Programs in Two Wheeler Technician (in association with Yamaha approved by ASDC) Certificate of Electrician CCC COPA Certificate in Surveying Certificate in Welding Certificate in Carpentry etc.



**Diploma Distribution Ceremony**

The session 2024-25 witnessed around 9 placement activities which are as follows:

S. No.	Enrollment No.	Student Name	Branch	Batch	Package	Company
1	1900102223	Ankur Pandey	CSE	2022	2.00 LPA	Suzlon Energy
2	1800103711	Arshlaan Khan	EE	2021	1.68 LPA	Tenneco Automotive India Private Limited, Haryana
3	2300104128	Faisal Iqbal	EE	2025	4.00 LPA	Honesty Automation Pvt. Ltd., Lucknow
4	2300103804	Mohd. Aquil	ME	2025		
5	2200100564	Sakib Ansari	Auto	2025	2.00 LPA to 2.30 LPA	Gilbarco Veeder Root, Mumbai
6	2300103588	Taufique Rza	EC	2025		
7	2200103145	Luquman Usmani	EC	2025		
8	2200103247	Shad Ahmad	EC	2025		
9	2200103969	Asif Ali	EE	2025		
10	2300104128	Faisal Iqbal	EE	2025		
11	2200102321	Abdul Rahman	ME	2025		
12	2300103908	Mushtaque Ahmad	ME	2025		
13	2300100090	Rakesh Yadav	ME	2025		
14	2200100338	Mohd Farooq	Civil	2025	3.50 LPA	RDC Concrete (India) Ltd.
15	2000100732	Ahamad Raja	ME	2023	1.80 LPA	UCAL Limited, Haryana
16	2300103804	Mohammad Aquil	ME	2025		
17	2200103449	Khaliq Ur Rahman	Auto	2025	1.80 LPA	Jubilant Food Private Ltd., Bangalore
18	2200101250	Rahil Khan	Auto	2025		
19	2200100564	Sakib Ansari	Auto	2025		
20	2300104128	Faisal Iqbal	EE	2025		
21	2200103759	Furquan Akhtar	EE	2025		
22	2300100428	Injamamul Haq	EE	2025		
23	2300100163	Mohd Faiz	EE	2025		
24	2100101804	Tarique Umar Khan	EE	2025		
25	2200101159	Abdul Wali	ME	2025		
26	2200101874	Abu Hozaifa	ME	2025		
27	2200101980	Ahamar Ansari	ME	2025		
28	2200103679	Ahmad Rumman	ME	2025		
29	2200100550	Firoz Ali	ME	2025		
30	2200100646	Jamil Ahmad	ME	2025		
31	2300103804	Mohammad Aquil	ME	2025		
32	2200101131	Mohd Ayan	ME	2025		
33	2200101723	Mohd Irfan	ME	2025		
34	2300103908	Mushtaque Ahmad	ME	2025		
35	2300101327	Prince Kumar	EE	2025	3.00 LPA	Reliance Consumer Products Limited
36	2200103679	Ahmad Rumman	ME	2025 -		NimbleQ Academy

**The Polytechnic was very active in organizing a host of events in the session 2023-24. The details of some events are as follows:**

**Outreach Activities, during the year**

1. School Visits & Career Counselling
2. Student Interaction Program
3. UP Board (X) Examination Engagement
4. AMU Entrance Examination Engagement
5. Parent Interaction Program
6. Bihar Diploma Certificate Entrance Competitive Examination
7. BTEUP Entrance Examination
8. Maulana Azad National Urdu University (MANUU) Diploma Entrance Examination
9. Institute of Engineering and Rural Technology (IERT) Diploma Entrance Examination

**Other Extension Activities**

- Online Yoga Awareness Quiz on May 21, 2025
- Cloth Donation Drive from March 24 to 27, 2025
- Pledge-Taking Program under the "Nasha Mukta Bharat Abhiyaan" on March 11, 2025
- Prize Distribution Ceremony for "Integral Habitat Expo 2024 and Fiesta 2025" on February 28, 2025
- Event on "Campus Bird Walk-2025" on February 15 2025
- Quiz competition on "Unravelling Uttar Pradesh: A Quiz Journey" on January 25, 2025
- Plantation Drive "Ek Ped Maa Ke Naam" on September 17, 2024
- Events on "National Anti-Ragging Week" from August 12 to 18, 2024
- Interactive Session on "Echoes of Freedom: Remembering Kakori" on August 23, 2024

## DEPARTMENT OF LAW

Prof. (Dr.) Naseem Ahmad Jafri : Dean & HoD



The Award Ceremony of "The Juror League Moot Court Competition" (JLMMC 2025)

Established in 2016 under the visionary leadership, the Faculty of Law at has rapidly evolved into a premier center for legal education and research. Beginning with three undergraduate programs—B.A.LL.B. (5-year), and LL.B. (3-year)—the faculty has expanded its academic offerings to include postgraduate courses, such as LL.M. in International Law and Criminal Law & Forensic Science, as well as a Ph.D. program. The faculty emphasizes holistic legal education, incorporating value-added courses and fostering collaborations with global organizations, including the United Nations Academic Impact, through the formation of various student societies aimed at achieving Sustainable Development Goals. Recognized for academic excellence, the Faculty of Law secured the 3rd position in Uttar Pradesh and 38th nationally as per the Indian Institutional Ranking Framework 2025 and was ranked 52nd in India by India Today MDRA 2025. 34 all India Rank by The Week 'The Week- Hansa Research Law College Ranking' 2025. The faculty remains committed to nurturing future legal professionals through quality education, research, and community engagement, upholding the university's mission of academic excellence and societal impact.

### Highlights of the major activities and achievements during the Academic Year 2024-25

The Faculty hosted a series of dynamic activities throughout the academic year, enriching student engagement, academic excellence, and community services. The key highlights of the major activities include

- i. Deeksharambh 2024-25: A three-day orientation from August 1-3, 2024, featuring welcome addresses, student insights, and inaugural remarks, setting the tone for the invigorating academic session.
- ii. Anti-Ragging Week Competitions: Slogan writing and logo designing contests held in August 2024 to promote awareness against ragging, culminating in motivational speeches from prominent legal personalities, helped the newcomers to adapt to the academic environment of the Faculty.
- iii. Guest Lectures & Seminars: Notable sessions included discussions on "Impact of Globalisation on International Relations," legal implications of digital rights, and practical challenges in service litigation, delivered by experts like Dr. Syed Ali Akhtar and Senior Advocate Sanjay Bhasin.
- iv. Legal Aid & Community Outreach: Organized a Free Legal Aid Camp at Integral International School in October 2024, focusing on justice for vulnerable groups and women empowerment.
- v. Workshops & Development Programs: Conducted a month-long FDP on "Integration of IPR Principles" with over 100 participants, fostering research and teaching excellence.

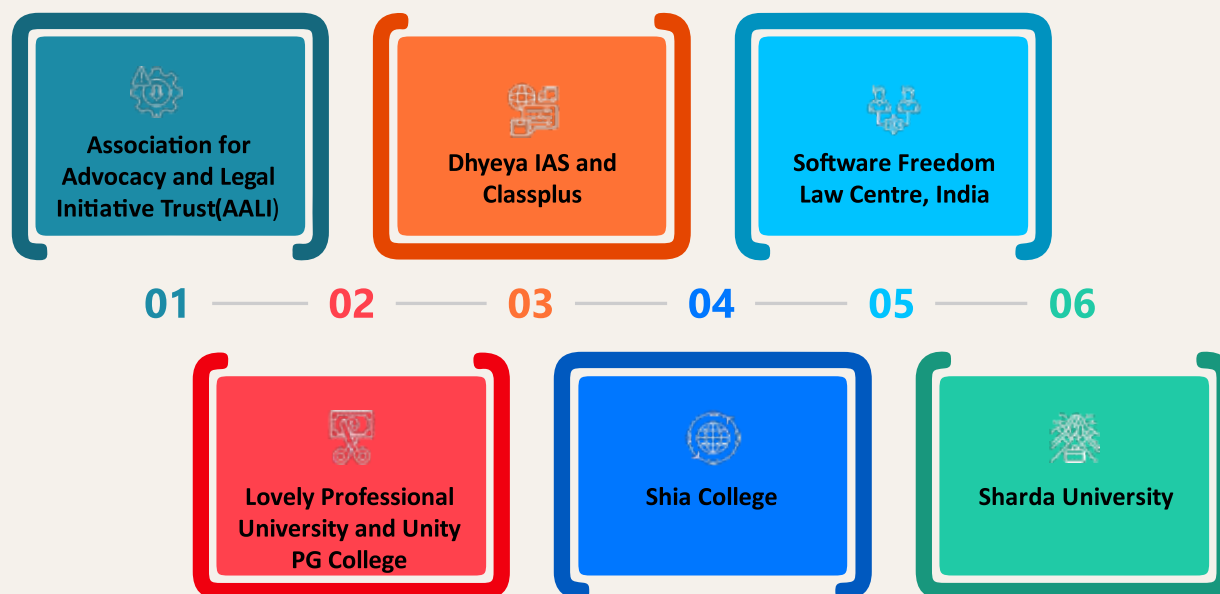
- vi. Competitions & Cultural Events: Hosted poster making on sustainable India, photography contests, and bilingual intra-debates, promoting creativity, cultural awareness, and legal advocacy skills among the students virtually as well as in person.
- vii. Legal Literacy & Digital Rights: An online course on legal principles, awareness workshops on data privacy, and digital safety practices, aimed at empowering students with contemporary legal knowledge.
- viii. Constitution Day Celebrations: Marked the 75th National Constitution Day with essay writing, poster making, quizzes, and pledge ceremonies, emphasizing constitutional values and civic responsibilities, reiterating the importance of Fundamental Duties with Fundamental Rights.
- ix. Career Counseling & Skill Development: Sessions with legal professionals on judicial careers and corporate law, guiding students towards future opportunities as a part of the internship program.
- x. Special Guest Lectures: Covering topics like Ambedkar's views on caste via international law and public interest litigation drafting, enriching students' academic perspectives through the perspective of senior professors all around the Law Universities.
- xi. Annual Moot Court Competition: The Juror League moot competition 2025 was organized in a hybrid mode for the advancement of skills and practical enrichment of the students.
- xii. Alumni Engagements: On 3rd May Alumni meet and graduation day was organized with the intention of amalgamation of new and old students for the flow of new ideas and culture in the Faculty.

These activities collectively demonstrate the Faculty of Law's commitment to holistic education, societal contribution, and nurturing responsible, skilled legal professionals.

### A brief on Specific Collaborative Arrangements.

## Collaboration

### Specific Collaborative Arrangements.

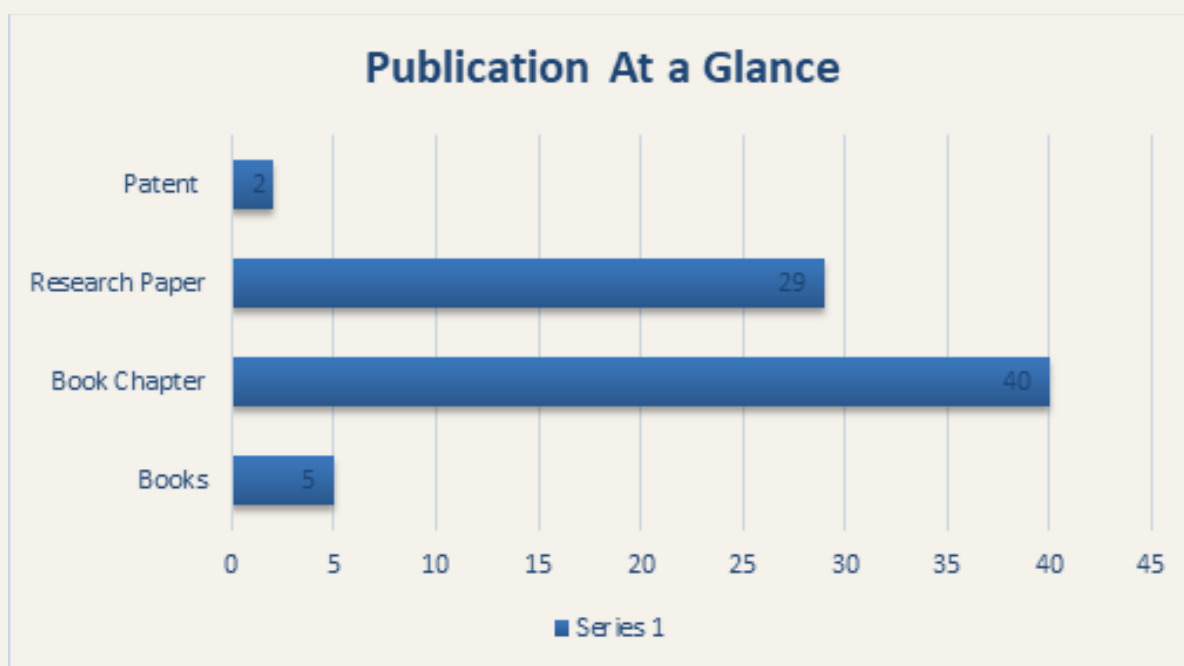


### A Brief on Community welfare/ charitable activities undertaken during the year:

- I. Free Legal Aid Camp: On October 22, 2024, the Legal Aid Society, Faculty of Law, Integral University, successfully organized a Free Legal Aid Camp at Integral International School, Sansarpur, Lucknow. The event, with the primary theme "Nyaya Chala Nirdhan ke Dwar," aimed to provide justice at the doorsteps of the most vulnerable members of society. A sub-theme, "Empowering Women," was chosen to address the growing concerns regarding the rights and protection of women.
- II. Awareness Camp: The Environmental Law Society of Faculty of Law, in collaboration with Integral Institute of Agricultural Science and Technology, Integral University, Lucknow, has successfully organized an Environmental Awareness Campaign (किसान गोष्ठी) on the theme "Role of Indigenous Practices in Soil and Climate Management" (मिट्टी और जलवायु प्रबंधन में पारंपरिक ज्ञान की भूमिका) on 29 the April, 2025 at Khwaja Ka Purwa Village, Lucknow. The campaign aimed to highlight the significance of traditional knowledge in addressing contemporary environmental challenges related to soil and climate.
- III. Extention activityThe Faculty of Law collaborated with the Chhanv Foundation, an NGO committed to support acid attack survivors and advocating for their rights. The "Cultural Event & Bridal Ramp Walk" dedicated to acid attack survivors, held on 28th September 2024 at Sheroes Hangout Café, Lucknow. This event celebrated the resilience and courage of acid attack survivors, providing them a platform to share their experiences and receive community support. It brought together survivors, activists, healthcare professionals, government officials, and community members, fostering an environment of solidarity and empowerment. Special guests included "Team Miss Universe Great Britain" (Team MUGB) and "A Sisterhood

### Patents

S.N.	Name of The Faculty	Date of Filling	Date of Publishing	Title of the innovation
1.	Dr. Tulika Singh	30/07/2024	16/08/2024	IOT Based digital Handheld Real time-Cancer cell Detection Device Childhood
2.	Dr. Tulika Singh	15/01/2025	----	Fast Track Court Judicial Processes case control and decision support KIOSK



## Number of Invited Lectures/Plenary Lectures organized by the Department.

### The Faculty of Law has organized Five Guest Lectures:

- I. On 2nd August 2024 the Guest Lecture by the Industry Expert Mr. Pankaj Kumar Tripathi founder and mentor of Pankaj Vidhi Pravah on "Leveraging Career Guidance: Navigating Paths to Professional Success". He told the students about the scope of the law field and the duties of lawyers towards society. Along with these addresses the documentary "Quest for Justice" created by the students of Faculty of law was played for the newbies.
- II. On 24 August 2024, the Faculty of Law hosted a guest lecture titled "Impact of Globalizations on International Relations and State Sovereignty" at the T-Block Seminar Hall. The session featured Dr. Syed Ali Akhtar, Assistant Professor at Symbiosis Law School, Noida, an expert in Public International Law and Climate Security.
- III. On Jan 1, 2025 at 11:44 PM It gives us immense pleasure to inform you that the DQAC, Faculty of Law, Integral University organized a guest lecture on "Practical Challenges in Service Litigation: Strategies for Successful Advocacy" on 5th October 2024. The event, held at the Seminar Hall, T-Block, Phase-II was graced by Designated Senior Advocate Sanjay Bhasin, Allahabad High Court (Lucknow Bench), who shared his vast experience and expertise in service litigation.
- IV. A guest lecture was organized under Family Law on the topic "Daughter's Rights as Legal Heirs in Muslim Law: Balancing Inheritance with Duties Towards Parents." The lecture took place on January 30, 2025, at 2:00 PM in the Seminar Hall, First Floor, Block T, Faculty of Law. The event was honored by the presence of Maulana Ateeq Ahmad Bastavi, Secretary, Tahqeeqat E Sharia, Nadwatul Uloom, Lucknow, as the guest speaker
- V. On 12th April, 2025 to commemorate the birth anniversary of D.R. B.R. Ambedkar, on the theme "Viewing Ambedkar's Questions on Caste through International Law." The session was graced by the presence of Ms. Swati Singh Parmar, Assistant Professor, Dharmashastra National Law University, Jabalpur.



It is relevance to the local, regional, national and Global development needs. The curricula has been developed to understand the basic principles of Municipal, International, Substantive and Procedure Laws. To learn and analyze the legal principles on the existing political, social and economic scenario.

### **workshops/seminars conducted on Research methodology, Intellectual Property Rights (IPR), entrepreneurship, skill development.**

1. Workshop: On Mon, Aug 19, 2024, The DQAC, Faculty of Law, Integral University has conducted a one-day workshop in collaboration with Association for Advocacy and Legal Initiative Trust (AALI), and Women Study Centre, Integral University on "A Feminist Discourse in relation to the Recent Amendments under the Criminal Laws". The workshop was graced by the presence of Mrs. Kavita Aggarwal, Chairperson and Dr. Halima Sadia, Secretary, Women Study Centre, Integral University. The Association for Advocacy and Legal Initiatives Trust (AALI) is a women-led organization dedicated to advancing and protecting the rights of women, children, and marginalized communities. With a presence in Uttar Pradesh, Jharkhand, Uttarakhand, and Bihar, AALI offers technical support to women's rights groups across India and to further educate, empower and catalyse students.
2. Workshop on "Digital Security Training": The Faculty of Law, Integral University hosted a highly insightful and impactful workshop in collaboration with Software Freedom Law Centre, India (SFLC.in) on 25th January 2025. The event was centred around the contemporary themes of Free and Open Source Software (FOSS), digital rights, data privacy, and the intersection of technology and public policy.
3. Online Workshop on Public Interest Litigation (PIL) Drafting: The Legal Aid Society, Faculty of Law, Integral University, Lucknow, successfully organized an Online Workshop on Public Interest Litigation (PIL) Drafting on 29<sup>th</sup> March 2025, conducted virtually through Google Meet. The objective of the workshop was to acquaint law students and faculty members with the nuances of Public Interest Litigation and to develop and enhance their legal drafting skills, particularly in the domain of PILs, which play a vital role in promoting access to justice and social change.
4. Workshop on Forensic Science: The Faculty of Law with Tabish Sarosh and Associates, New Delhi for imparting essential skills regarding Forensic Science under legal education has organized a two-day "Forensic Science Workshop" on the 28<sup>th</sup> and 29<sup>th</sup> April, 2025, which aimed at enhancing the knowledge and practical skills of LL.M. students specializing in Criminal Law and Forensic Science. Recognizing the pivotal role that forensic science plays in the modern criminal justice system, the workshop sought to bridge the gap between theoretical understanding and practical application, fostering a multidisciplinary approach to criminal investigations.

### **Extension activities in the neighborhood community in terms of impact and sensitizing students to social issues and holistic development:**

- I. Free Legal Aid Camp: On October 22, 2024, the Legal Aid Society, Faculty of Law, Integral University, successfully organized a Free Legal Aid Camp at Integral International School, Sansarpur, Lucknow. The event, with the primary theme "Nyaya Chala Nirdhan ke Dwar," aimed to provide justice at the doorsteps of the most vulnerable members of society. A sub-theme, "Empowering Women," was chosen to address the growing concerns regarding the rights and protection of women.
- II. Awareness Camp: The Environmental Law Society, Faculty of Law, in collaboration with Integral Institute of Agricultural Science and Technology, Integral University, Lucknow, has successfully organized an Environmental Awareness Campaign (किसान गोष्ठी) on the theme "Role of Indigenous Practices in Soil and Climate Management" (मिट्टी और जलवायु प्रबंधन में पारंपरिक ज्ञान की भूमिका) on 29 the April, 2025 at Khwaja Ka Purwa Village, Lucknow. The campaign aimed to highlight the significance of traditional knowledge in addressing contemporary environmental challenges related to soil and climate

### **No. of classrooms and seminar halls with ICT-enabled facilities such as LCD, smart board, Wi-Fi/LAN, audio video recording facilities**

1. 9 Class rooms with Wi-Fi/LAN, Smart Board
2. 1 Class room with smart board, Wi-Fi/LAN, audio video recording facilities.
3. One Seminar Hall (Sharing With IIAST)

4. One Board Room (Sharing With IIAST)
5. One Moot Court Room with, Wi-Fi/LAN, audio video recording facilities.

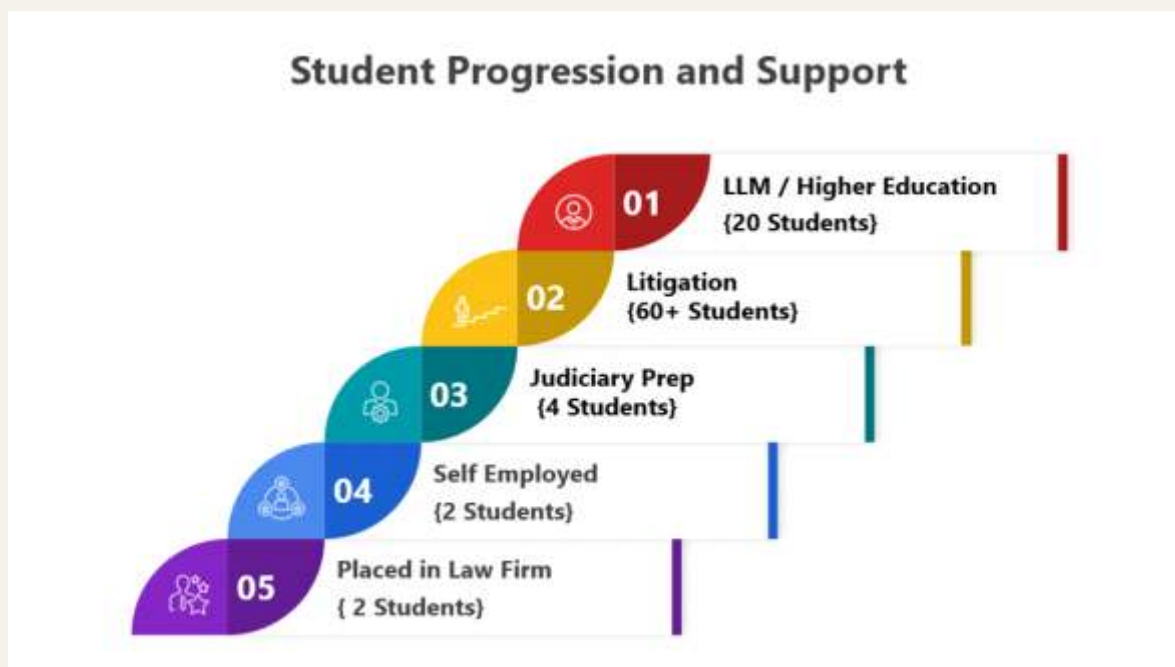
#### **No. of students qualifying in state/national/international level examinations.**

(eg: NET/SLET/GATE/GMAT/CAT/GRE/TOEFL/Civil Services/State Government)

S.NO.	NAME OF THE STUDENT	COURSE	EXAM QUALIFIED	YEAR
1.	Shashwat Subhash	UGC NET	UGC NET	2024
2.	Sachin Yadav	UGC NET	UGC NET	2024
3.	Somya Srivastava	UGC NET	UGC NET	2024
4.	Aliza Abdin	PGDM	ZAT QUALIFIED	2024
5.	Vinay Kushwaha	LLM	State University	2024
6.	Shivam	LLM	Central University	2024

**Fifteen Number of awards/medals won by students for outstanding performance in sports/cultural activities at inter-university/state/national/international events.**

**A brief on students' progression and placements.**



#### **Extension and outreach program through NSS, Swatch Bharat, Unnat Bharat Abhiyan.**

On October 22, 2024, the Legal Aid Society, Faculty of Law, Integral University, successfully organized a Free Legal Aid Camp at Integral International School, Sansarpur, Lucknow under the agis of NSS. The event, with the primary theme "Nyaya Chala Nirdhan ke Dwar," aimed to provide justice at the doorsteps of the most vulnerable members of society. A sub-theme, "Empowering Women," was chosen to address the growing concerns regarding the rights and protection of women. This Camp allowed Law students to apply their theoretical knowledge in real-world contexts and directly serve the community. About 250 students participated in the said camp.

#### **MoU inked with National/International Academic and Research Institutions/Industries/NGOs.**

1. Faculty of Law signed a Memorandum of Understanding with Majlis-e-Tahqeqaat E Shariah adwatul Ulama.
2. Faculty of Law signed a Memorandum of Understanding with The Centre for Criminal Investigation and Forensic Science.

# INTEGRAL INSTITUTE OF NURSING SCIENCES & RESEARCH

**Dr. Annie Chandra S.:** Dean

**Dr. Farzand Ali :** Head



Integral University is committed to improve the standards of nursing education and strives hard to achieve high quality. Accordingly, the Integral Institute of Nursing Sciences & Research is at the forefront in imparting nursing education and preparing the next generation of nurses to face leadership roles. The primary objective of the institution is to produce competent nurses who can meet the challenges of nursing profession and address the emerging health care needs of the society.

The Integral Institute of Nursing Sciences & Research offers programs starting from ANM, GNM, B.Sc. (Nursing), and Post B.Sc. (Nursing) Programme and M.Sc. (Nursing) with five speciality. The institute is equipped with qualified and competent teachers, good physical infrastructure, enriched Labs and Library. The students have opportunities for clinical learning at the parent teaching hospital i.e. Integral Institute of Medical Sciences & Research, Integral University. Students have been receiving psychiatry clinical exposure at Nur Manzil Psychiatric Centre and community field exposure under the supervision of faculty. In-house training is imparted to the students of all the nursing programmes and guidance is provided through online teaching for UPSMF based competitive exams. Alumni students have been selected as staff nurse through a campus interview conducted by Integral University in collaboration with Elroy group, New Delhi for position in the Kingdom of Saudi Arabia (KSA). The curriculum involves students visiting dairy unit, orphanage unit, water purification unit and other facilities. All the health related events were celebrated and provided health education at clinical and community facilities.

## **Highlights of the major activities / achievements:**

- Organized poster making competition on the occasion of Nurses day on 10th May 2025
- Organization of World health day Celebration from 25th March- 10th April 2025 in which student participated in Rangoli competition, Health talk.
- Celebrated World Hand Hygiene day on 5th May 2025.
- Conducted Orientation Programme on August 2024 for newly admitted students of GNM, ANM, B.Sc., Post Basic B.Sc. Programme and Induction programme of the Dept. for new faculties on 7 June 2024.
- Teachers successfully conducted all activities on LMS like quiz, assignments and unit test.
- Participated in Blood donation camp organized by IIMSR on 4th June 2024.
- Conducted Health checkups in collaboration with IIMSR on 23rd August 2024
- Conducted Immunization camps in collaboration with IIMSR on 8TH JULY 2024.

- Organized Food Exhibition for Nutrition practical of BSc Nursing 2nd sem students on 17-04-2025
- Organizes a Seminar- Polycystic Ovarian Disease Awareness from 1th Sep to 20th Sep 2024 by Prof. Dr. Annie Chandra.
- Organized a Symposium- Newer trends and challenges in community Health Nursing ON 25th Feb 2025
- Organized a Webinar- World Hemophilia Day on 17th April 2025 by Prof. Dr. Vinojpriya.



Nutrition Practical



World Health Day- Rangoli Competition

### A brief on Research projects being undertaken by department.

The Institute undertook research projects and utilized the findings to enhance the quality of nursing care. A total of 80 students per batch participated in the research project work as part of their B.Sc. nursing course requirements.

SI No.	Research Problem Statement	Name of guide
1.	An Experimental study to assess the effectiveness of physical exercise to reduce the obesity among adolescent girls at selected college of Lucknow.	Dr. Annie Chandra S.
2.	A study to assess the effectiveness of structured teaching program on knowledge regarding antenatal care among primigravida mothers at RHTC Sansarpur, UHTC, Lucknow	Dr. Farzand Ali
3.	A study to assess the effectiveness of STP on knowledge regarding breastfeeding technique among postnatal mother in selected hospital, Lucknow, Uttar Pradesh.	Assoc. Prof. Pragya Awasthi
4.	A study to assess the effectiveness of STP on knowledge regarding Cardiopulmonary resuscitation among nursing students at selected college of nursing, Lucknow, UP	Assoc. Prof. Manisha Chaubey
5.	A study to assess the effectiveness of non-invasive shot blocking device for reducing pain in adults at selected hospital in, Lucknow.	Asst.Prof. Parmeshwar P.
6.	A study to assess the effectiveness of Structured teaching program on knowledge regarding prevention of malnutrition among mothers of under 5 years of children in selected urban area of Lucknow	Asst. Prof. Aarif Mohd.
7.	A study to assess the effectiveness of PTP on knowledge regarding pneumonia among mothers of under 5 yr children in selected rural area of Lucknow.	Asst. Prof. Salman Khan

8.	A comparative study to assess the level of stress among married and unmarried women in integral hospital at Lucknow.	Mrs. Roli Srivastava
9.	A study to assess the effectiveness of STP on level of knowledge regarding VAP bundle in prevention of ventilator associated pneumonia among 4 <sup>th</sup> year BSc Nursing students at selected nursing college, Lucknow.	Ms. Jyoti Sunar
10.	A study to assess the effect of different body position on blood pressure level among patient with hypertension at selected hospital, Lucknow.	Ms. Achshah Babu
11	A Study to assess the effectiveness of structure teaching programme on knowledge regarding water birth among GNM 3 <sup>rd</sup> Students in IINSR, Lucknow.	Ms. Anjum
12	A study to evaluate the effectiveness of laughter therapy on reducing stress among the first year nursing students in integral institute of nursing sciences & research, Lucknow.	Ms. Rubeena Mumtaz
13	A study to assess the effectiveness of planned nursing interventions on bio physiological health parameters among mothers after NVD at postnatal ward of selected hospital, Lucknow	Mrs. Amar vandana Nidhi
14	A study to assess the impact of screen time on sleep quality and physical health among nursing student in integral institute of nursing science & research, Lucknow, UP	Mr. Khurshid Ahmad Khan

### A Brief on Community welfare/ Charitable activities undertaken during the year.

Following activities have been undertaken on community welfare:

- Blood-Donation programme
- World Heart Day
- World Mental Health Day
- Immunization Camps
- World Tuberculosis Day
- World Malaria Day - Health Talk
- World cervical cancer awareness program - Role play

### Patents:

The details of Patents related activities are as follows:-

Sl. No.	Inventor's Name	Title	Patent Published Date / Granted Date (DD/MM/YYYY)	Patent Publication Number / Patent Granted Number
1.	Mr. Arif Mohammad.	Fetal Health Monitoring Belt	13-09-2024	37/2024
2.	Dr. Annie Chandra S	Portable Biofeedback Device for Stress Management	28/11/2024	185807
3.	Mrs. Manisha Chaubey	Data Transmission Device	29/05/2024	418335-001

## Number of Invited Lectures/Plenary Lectures organized by the Department: 2

**Symposium- "Newer trends and challenges in community Health Nursing"** on 25th February 2025

**Resource Person-** Ms. Kirti Tiwari, Zonal Nursing Specialist (TSU, Lucknow, U.P.), Mr. Parameshwar. P, Assistant Professor, Department of Community Medicine at IINSR, Prof. (Dr.) Rama Taneja, Principal of KTNC, Bhopal, M.P, Ms. Samrah Butool Faridi from KGMU, Lucknow, from 2:00 PM to 2:45 PM.

**Webinar- "World Hemophilia Day"** on 15-04-2025 by Dr. Vinojpriya.C

**New Academic Programs :** In the session 2024-2025, our department introduced new Academic program " M.SC. Nursing " on 24/08/2024 , with the subjects of Nursing Education (NR501), Advanced Nursing Practice (NR502), Nursing Research and Statistics (NR503), Clinical Specialty -I (NR504), Nursing Education Lab (NR505), Clinical specialty -I Lab (NR506).

**Consultancy and Corporate Training :** CHO Training was given

**A mention that curricula developed and implemented have relevance to the local, regional, national and global developmental needs, and the courses having focus on employability/ entrepreneurship/skill development.**

Professional / Skill Development Program: A skill development program on outcome based education on the month of December -2024

**Extension activities in the neighborhood community in terms of impact and sensitizing students to social issues and holistic development:**

Conducted an Extension activity in collaboration with NSS

- Cervical Cancer Awareness on 10-01-2025
- World Tuberculosis Day on 12t-04-2025

**Students participated in sports week during FIESTA- 2025 in may competitions like Cricket match, Volleyball, Tug of war, Basket all, Kabaddi.**

WINNERS:

BSc Nursing 3rd yr student won 1st Runner-up in Volleyball competition.

**Progress- Our students of IINSR 100 % Result in UG & PG Programme.**

Placement: Our alumni students have got 100% placement for the post of staff nurse, and tutor in various institutes through personal choice and through campus interview conducted by, Hindalco Industries Limited, Sambhunath Research Inst. Of Medical Sciences Hospital College, Max Health Care, T.S Mishra Medical College and Hospital

**Extension and outreach program through NSS, Swatch Bharat, Unnat Bharat Abhiyan.**

Two extension activities was conducted by the students in collaboration with NSS on the occasion of World Cervical Cancer Awareness and World Tuberculosis Day.

**MOU inked with National /International Academic and Research Institutions/Industries/NGOs.**

- Nur Manzil, Psychiatric Posting, Lucknow
- Pralabh Hospital, Lucknow

# DEPARTMENT OF PHARMACY

**Prof. Syed Misbahul Hasan** : Dean

**Prof. Juber Akhtar** : Head

## **Brief History of Department right from its inception.**

The Faculty of Pharmacy was established in the year 2004, offering Diploma and Bachelor programs in Pharmacy. Master's program in pharmacy was introduced in 2007 with a specialization in pharmaceutical chemistry and pharmacognosy and phytochemistry. The Master's programs were further strengthened through introduction of M. Pharm.-Pharmacology in 2009 and Pharmaceutics in 2013. The launch of the Pharm D program in 2015 opened new horizons for students aspiring to excel in clinical and professional pharmacy. In 2018, the establishment of the College of Pharmacy and the School of Pharmaceutical Sciences further strengthened our academic ecosystem.

The Faculty now comprises the Department of Pharmacy, College of Pharmacy, and School of Pharmaceutical Sciences, offering a wide spectrum of study areas that prepare graduates for impactful careers in the pharmaceutical sciences and healthcare. Disciplines include

- a. Pharmaceutics
- b. Pharmacology
- c. Pharmaceutical Chemistry
- d. Pharmacognosy & Phytochemistry
- e. Pharmacy Practice

## **Infrastructure facilities:**

The Faculty of Pharmacy, across its three departments, offers 20+ ICT-enabled, spacious classrooms, 37 specialized laboratories, and a seminar hall, well-equipped computer lab, a well-stocked library, instrumentation centre, and a machine room in each department. The Department of Pharmacy also houses a CCSEA-approved animal facility.

With a mission to achieve excellence in pharmacy education and research at par with international standards, the Faculty focuses on drug discovery and formulation development from natural and synthetic sources.

## **Research Highlights:**

- a. Pharmacognosy & Phytochemistry: Standardization of Unani and Ayurvedic drugs, isolation of herbal molecules, and analytical method development.
- b. Pharmaceutical Chemistry: Design, synthesis, pharmacological evaluation, and analysis of novel compounds as prospective therapeutic agents.
- c. Pharmacology: Evaluation of natural and synthetic compounds for cardiovascular, anti-hepatotoxic, anti-ulcer, anti-diabetic, immunomodulatory, and neuroprotective effects using CCSEA-compliant facilities.
- d. Pharmaceutics: Development of advanced drug delivery systems (nanoparticles, nanogels, liposomes) and novel dosage forms (fast-dissolving films, occuserts, mouth-dissolving tablets).

## **Highlights of the major activities and achievements during the Academic Year 2024-25 (July 2024 to June 2025)**

- a. World Antimicrobial Resistance Awareness Week

World Antimicrobial Resistance Awareness Week (WAAW) is an annual event promoted by the World Health Organization to raise awareness about global antimicrobial resistance. The celebration supported the United Nations' Sustainable Development Goal 3 (SDG 3) on health and well-being. The Faculty of Pharmacy in Integral University observed the week from November 18 to 24, 2024, featuring various events:

- Slogan Writing: Focused on collective action against antimicrobial resistance; promoted creativity and awareness.
- Debate Competition: Students argued perspectives on global antimicrobial resistance to sharpen advocacy skills.
- Hospital Visit: Conducted at Civil Hospital, Lucknow, to educate healthcare workers and patients on rational antibiotic use.
- Nukkad Natak: Village street play emphasized safe antibiotic practices and engaged public with pamphlets and dialogue.
- Essay Writing was conducted to address the link between animal health and antimicrobial resistance, fostering academic insight.
- Poster Presentation highlighted environmental and agricultural aspects of AMR through visual, informative posters.
- Seminar: Experts from AMU and UPCST emphasized the “One Health” approach and government roles in AMR control.
- Quiz Competition was conducted to engage students in an interactive recap of AMR knowledge to reinforce learning.

#### **b. Fourth National Pharmacovigilance Week, September 17-23, 2024**

The National Pharmacovigilance Week was observed from September 17-23, 2024, to raise awareness about the importance of monitoring and reporting adverse drug reactions (ADRs). It was organized by the ADR Monitoring Centre (AMC), Faculty of Pharmacy, and IIMSR in collaboration with IIAHSR, IINSR, and SPS at Integral University, Lucknow. The celebration supported the United Nations' Sustainable Development Goal 3 (SDG 3) on health and well-being. The theme, “Building ADR Reporting Culture for Patient Safety,” emphasized creating a safer healthcare environment through active pharmacovigilance. Featuring the following events:

- Walkathon: raised public awareness on ADRs through banners and placards across the university premises.
- Awareness Session was conducted by Prof. R.K. Dixit from KGMU educated healthcare professionals on the importance and challenges of ADR reporting.
- E-Poster Competition amongst UG and PG students showcased creative posters to promote ADR vigilance culture.
- Rangoli Competition: Nursing and Pharmacy students created themed rangolis to spread awareness on ADRs artistically.
- Online Quiz: Engaged 382 students from diverse healthcare backgrounds on Pharmacovigilance knowledge.
- Guest Lecture: Mr. Anoop Kumar (PvPI, IPC) emphasized practical aspects of ADR reporting and its national significance.

#### **c. World Pharmacists Day 2024: A Celebration of Pharmacists' Role in Global Health**

The annual Pharmacy event at Integral University is a showcase of talent and also a day of inspiration and motivation for future Pharmacists. This year, the theme was “Pharmacists: Meeting Global Health Needs”, featuring expert lectures on drug abuse, vaccination counselling, and generic medicine awareness. Events included a slogan writing competition, Pharmacist Oath, Plantation drive, and a free health screening camp serving 200+ participants. Around 400 attendees, including students and faculty, actively participated. The event aligned with UN SDGs 3 (Good Health and Well-being), 4 (Quality Education), and 13 (Climate Action). Organized by a dedicated core team, the celebration emphasized pharmacists' pivotal role in healthcare and sustainability.

#### **d. National Pharmacy Week from 20th Oct to 26th Oct, 2023.**

National Pharmacy Week was celebrated to highlight the crucial role of Pharmacists in healthcare. The celebration promoted pharmacy awareness, life-saving skills, and academic enrichment. It supported UN SDGs 3 (Good Health), 4 (Quality Education), 8 (Decent Work), 10 (Reduced Inequalities), and 17 (Partnerships) by enhancing healthcare knowledge and fostering inclusive participation.

#### Events included

- Quiz competition
- Guest lecture on herbal medicines
- Hands-on CPR workshop.

#### e. National Pharmacy Education Day -Pharma Anveshan held on March 6, 2025

National Pharmacy Education Day 2025 was celebrated on March 6 to honor M.L. Schroff's legacy in pharmacy education. Supported by the Pharmacy Council of India, the Faculty of Pharmacy hosted academia–industry deliberations on NEP implementation in pharmacy programs. Centered on Entrepreneurship & Startups in Pharma and Pharmacy Practice, the event featured expert talks on AI in peptide medicines, incubation centers, and NEP 2020's impact on pharmacy education. Over 312 participants from 10 institutions joined lectures, a booklet release, and a plantation drive, aligning with SDGs 3, 9, 12, 13, and 17 to foster sustainable, innovative, and inclusive healthcare solutions. This was the second consecutive year that the PCI granted financial aid to the institution to celebrate the event.

#### f. Other prominent engagements/activities

Anti-Ragging Week held from 12th– 18th August 2024

The Faculty of Pharmacy, Integral University observed Anti-Ragging Week where activities like a poster-making competition and skit performances were organized to raise awareness. Over 110 students participated, expressing strong messages against ragging. The events highlighted legal and social consequences, promoting a safe and inclusive campus environment, in line with UGC and Higher Education Department guidelines.

#### 78th Independence Day Celebration held on 15th August 2024

An online poster-making competition was conducted on the theme "Har Ghar Tiranga." Around 90 students participated, showcasing creativity, patriotism, and messages of unity and national pride.

#### Sensitization Program cum workshop on AI, Pharmacovigilance, and Technology in Pharmacy held on February 8, 2025

Faculty of Pharmacy, Integral University, in collaboration with Nemi Education, organized a Sensitization Program. Experts highlighted AI's role in enhancing drug safety and ADR detection, with sessions, case studies, and a quiz engaging B.Pharm and Pharm.D students.

The event aligned with SDGs 3 (Good Health) and 9 (Industry & Innovation), promoting tech-driven improvements in healthcare.

#### 2nd National Current Good Manufacturing (cGMP) Day and Hands on Training Program held 9-10 October, 2024.

An initiative, launched by the government in collaboration with the Indian Drugs Manufacturers' Association (IDMA), aims to raise awareness about cGMP guidelines in pharmaceutical production. The focus is on improving the quality and safety of Indian pharmaceutical products, addressing recent concerns over substandard drug exports, including cases involving faulty cough syrups.

National cGMP Day therefore was observed through conduction of hands-on training on FTIR and HPLC along with an expert lecture by Mr. Kamlesh Kumar Mishra, Drug Inspector, UP. The event highlighted the application and importance of current Good Manufacturing Practices in ensuring drug quality and regulatory compliance. Activities bridged academic knowledge with real-world pharmaceutical practices, aligning with SDGs 7, 8, 9, and 12 to promote sustainable industry standards and skill development.

### Field Visit to NBRI held on 24th February, 2025

A field visit to NBRI, Lucknow was organized, for D. Pharm first-year students to enhance their practical knowledge of Pharmacognosy. Students explored medicinal plants, drug development techniques, and conservation strategies, including tissue culture and chromatography. The visit bridged classroom learning with real-world applications and aligned with SDGs 3, 4, 12 & 15, promoting sustainability in pharmaceutical sciences.



Student Questioning from panel

### Field Visit of D. Pharm II Year Students to Integral Institute of Medical Science and Research, on 18th November 2024

D. Pharm 2nd year students from Integral University visited the Integral Institute of Medical Science and Research to gain practical exposure to hospital and clinical pharmacy services. The visit offered hands-on insights into drug information handling, lab report interpretation, adverse drug reaction reporting, and the use of medical aids. Students also explored the significance of drug-drug interactions and the pharmacist's role in patient care. This experience effectively bridged theoretical learning with real-world clinical practice.

### Field Visit of D. Pharm II Year Students to Integral Institute of Medical Science and Research on 18th November 2024

D. Pharm 2nd year students from Integral University visited the Integral Institute of Medical Science and Research for practical exposure to community pharmacy and Management services. The visit offered hands-on exposure to prescription handling, patient counseling, health screenings, and preparation of educational materials. Students observed the vital role pharmacists play in medication management, health promotion, and preventive care. This experience effectively connected classroom learning with practical pharmacy practice in community settings.

### Field Visit of D. Pharm I Year Students to Rural Health Training Centre, Sansarpur, Lucknow on 21st November, 2024.

D. Pharm 1st year students from Integral University visited the Rural Health Training Centre in Sansarpur to understand pharmacists' roles in public health and rural healthcare. They gained hands-on experience in national health programs, health hazard identification, first aid, and health promotion through interactive sessions and activities. The visit emphasized pharmacists' crucial contributions to community health, preventive care, and emergency response. This practical exposure bridged academic learning with real-world public health applications.

### Field Visit Report of D. Pharm I Year Students to National Botanical Research Institute (NBRI), Lucknow on 24th February 2025.

D. Pharm 1st students from Integral University visited the National Botanical Research Institute (NBRI), Lucknow, to enhance their practical understanding of Pharmacognosy. They explored a variety of medicinal plants, learned plant identification techniques, and gained insights into drug development, conservation, and tissue culture. The visit effectively bridged theoretical knowledge with real-world applications in herbal medicine and plant-based drug research.

### A brief on Research projects being undertaken by department.

The following research projects are continued in the current session.

1. A research project on "Design, synthesis and biological evaluation of novel benzopyran derivatives as Antitubercular agents" was awarded to Prof. Kuldeep Singh from UPCST, amounting to Rs. 10,44,000.
2. A research project on "Study and Validation of the Anticancer potential of prominent Unani medicine and their formulation as an adjuvant against Liver carcinoma was awarded to Prof. Iffat Zareen and Prof. Badruddeen (as Co-PI) from CCRUM, amounting to Rs. 28,28,800.

### **Programme taken up involving Inter-Institutional Collaboration.**

1. Students of Pharm. D and B. Pharm completed skill-based courses offered by our collaborating institute: Climed Research Pvt. Ltd.
2. A skill-based activity on AI was conducted in collaboration with Nemi education. an exclusive skilling partner of IIT, Indore, through its skilling wing Drishti, CPS.

### **A brief on Seminar/Conferences held by department at the National/International level.**

Previously mentioned in point no. 4

### **A brief on University-Industry Linkages.**

Faculty of Pharmacy has an MOU with Wasazra Pharmaceuticals which has been established as a public company while an Mou with CLIMED has been renewed in this session.

This year we have established an MOU with Nemi education, an exclusive skilling partner of IIT, Indore, through its skilling wing Drishti, CPS.

### **A brief on Specific Collaborative Arrangements.**

A collaborative event was organized, with Pharmacy Council of India (PCI) which provided financial support to the Faculty of Pharmacy to celebrate the event "National Pharmacy Education Day 2025", on March 6, 2025. The event was aimed to discuss and deliberate with representatives from academia and industry on the implementation of NEP in Pharmacy programs. The event, focused on "Entrepreneurship & Startups in Pharma and Pharmacy Practice", featuring expert talks on AI in peptide medicines, incubation centers, and NEP 2020's role in pharmacy education. Over 312 participants from 10 institutions engaged in lectures, booklet release and plantation drive.

### **A Brief on Community welfare/Charitable activities under taken during the year.**

#### **National Pollution Prevention Day held on 2nd December, 2024**

A slogan writing competition themed "Clean Air, Green Earth: A Step Towards Sustainable Living" was organized where around 95 students participated. The event promoted sustainability, pollution prevention, and the vital role of pharmacists in environmental health.

#### **Plantation Drive held on Sept. 17, 2024**

A plantation drive titled "Ek Ped Maa Ke Naam" was organized to promote environmental conservation and honor mothers. Aligned with SDGs 3, 6, 11, 13, and 15, the event encouraged participants to plant trees like Tulsi, Amla, and Neem, combining ecological responsibility with emotional significance and spreading awareness on sustainable practices.

#### **Daan Utsav held from Oct 2-8, 2024**

Daan Utsav was celebrated through a signature drive, donation drive, placard making, and an awareness walk to promote kindness, social responsibility, and community engagement. Aligned with SDGs 1, 2, 3, and 10, the event encouraged students and faculty to contribute through acts of giving and raise awareness on key social issues.

#### **Nasha Mukh Bharat Abhiyan held on April 15, 2025**

Poster Making Competition was organised under the Nasha Mukh Bharat Abhiyaan to raise awareness about drug abuse and promote a drug-free society. Aligned with SDGs 1 and 3 and guided by Mulya Pravah Committee values, the event saw enthusiastic participation from 47 students, showcasing creative posters that emphasized the harmful effects of addiction and the need for rehabilitation.

#### **Ambedkar Jayanti was held on April 14, 2025**

Ambedkar Jayanti was celebrated by organizing an online quiz competition themed "Hamara Samvidhan, Hamara Swabhimaan." With 87 students participating, the event honored Dr. B.R. Ambedkar's legacy and promoted constitutional values, civic responsibility, and social justice, aligning with SDGs 4, 10, and 16 and PO5 on leadership and societal responsibility.

### World No Tobacco Day held on May 31, 2025

World No Tobacco Day was observed with the theme “Unmasking the Appeal: Exposing Industry Tactics on Tobacco and Nicotine Products.” The event featured an online quiz and a poster campaign to raise awareness about tobacco-related harms and industry deception, aligning with SDGs 3 and 4 and fostering health education, ethical responsibility, and community engagement among students and faculty.

### Patents -

S. No	Applicant Name	Inventor Name	Patent Application Number	Title of the patent	Date Published	Date Grant
1	Bariya Nezam, Mohammad Khushtar, Badruddeen, Juber Akhtar, Mohd Ajmal, Mohammad Munawwar	Bariya Nezam, Mohammad Khushtar, Badruddeen, Juber Akhtar, Mohd Ajmal, Mohammad Munawwar	202511041665	Protective effects of Pastacia lentiscus in rats	16/05/2025	
2	Badruddeen, Mohammad Irfan Khan, Juber Akhtar, Mohammad Ahmad	Badruddeen, Mohammad Irfan Khan, Juber Akhtar, Mohammad Ahmad	202411026966	Rutin and curcumin based nano gel formulation for management of acne vulgaris and preparation method	01/04/2025	
3	Badruddeen, Mohammad Irfan Khan, Juber Akhtar, Mohammad Ahmad	Badruddeen, Mohammad Irfan Khan, Juber Akhtar, Mohammad Ahmad	202411026750	Nano emulsion formulations of retinol and a - tocopherol for alzheimer disease	31/03/2025	
4	Gazala Noor, Dr. Badruddeen, Dr. Juber Akhtar, Dr. Bhuwanendra Singh, Dr. Anant Kumar, Dr. Popin Kumar, Rabia Aqeel, Manvi, Alpa Verma, Dr. Mohammad Ahmad, Dr. Mohammad Irfan Khan, Rabiya Ahsan	Gazala Noor, Dr. Badruddeen, Dr. Juber Akhtar, Bhuwanendra Singh, Dr. Anant Kumar, Dr. Popin Kumar, Rabia Aqeel, Manvi, Alpa Verma, Dr. Mohammad Ahmad, Dr. Mohammad Irfan Khan, Rabiya Ahsan	202411076527	A nano formulation for immune boosting	09/10/2024	
5	Ms. Saba Parveen, Saghir Ahmed, Mr. Ajaz Ahmad, Sayed kutub Ali, Dr. Badruddeen, Dr. Mohammad, Irfan Khan, Dr. Mohammad Ahmad, Dr. Juber Akhtar, Khan Mohd Aaqib Mukeem Ahmed, Shaikh Mohammed Noman, Sohail Aslam Bakkar,	Ms. Saba Parveen Saghir Ahmed, Mr. Ajaz Ahmad, Sayed kutub Ali, Dr. Badruddeen, Dr. Mohammad Irfan Khan, Dr. Mohammad Ahmad, Dr. Juber Akhtar, Khan Mohd Aaqib, Mukeem Ahmed, Shaikh				

	Momin Mohammad Kaif, Mohammad Ayaz, Shaikh Mubeen Mehmood	Mohammed Noman, Sohail Aslam Bakkar, Momin Mohammad Kaif, Mohammad Ayaz,				
7	Preeti, Dr. Juber Akhtar, Dr. Badruddeen, Dr. Nidhi Kumar, Ms. Roli, Anjali Yadav, Mohd Ajmal, Muhammad Arif, Dr. Mohammad Ahmad, Dr. Mohammad Irfan Khan	Preeti, Dr. Juber Akhtar, Dr. Badruddeen, Dr. Nidhi Kumar, Ms. Roli, Anjali Yadav, Mohd Ajmal, Muhammad Arif, Dr. Mohammad Ahmad, Dr. Mohammad Irfan Khan	202511003588	Kaempferol- loaded nanogel formulation	31/01/2025	
8	Rufaida Wasim, Tarique Mahmood, Mohammed Haris Siddiqui	Rufaida Wasim, Tarique Mahmood, Mohammed Haris Siddiqui	202511017395	Repurposing of Rosuvastatin in myocardial ischemia and hypertrophy	16/05/2025	
9	Shom Prakash Kushwaha, Syed Misbahul Hasan, Kuldeep Singh, Arun Kumar, Abdul Hafeez, Irfan Aziz, Smriti Ojha, Garima Verma, Pawan Kumar, Hemendra Mishra	Shom Prakash Kushwaha, Syed Misbahul Hasan, Kuldeep Singh, Arun Kumar, Abdul Hafeez, Irfan Aziz, Smriti Ojha, Garima Verma, Pawan Kumar, Hemendra Mishra	435036001	Pharmaceutical Chamber with Microbial Control System for Storage Purpose and Stability Studies		27/12/2024
10	Md Sohel Akhter	Md Sohel Akhter	202411026750	Nanoemulsion formulations of retinol and a - tocopherol for alzheimer disease	13/12/2024	
11	Farogh Ahsan	Farogh Ahsan	6364409	Device for monitoring of glucose level by saliva	21/0/2024	
12	Integral University	Integral University	202411080879	Investigation of effect of chicken's gizzard membrane on castor oil induced diarrhoea and indomethacin ulcer and colitis in experimental rats	24/10/2024	
13	Prof. Poonam Kushwaha, Mr. Mohd Sufiyan, Dr. Mohammad Ahmad, Ms. Purba Mandal, Ms. Widhilika Singh, Dr. Mohammad Suhail Akhter, Mr. Anas Khan	Prof. Poonam Kushwaha, Mr. Mohd Sufiyan, Dr. Mohammad Ahmad, Ms. Purba Mandal	202411089576	Curcumin and beta-sitosterol loaded hydrogel scaffolds for accelerated wound healing	19/11/2024	

Ms. Ishma Rahela Khan, Ms. Jeba Bano, Mr. Aniket Yadav	Ms. Widhika Singh, Dr. Mohammad Suhail Akhter, Mr. Anas Khan, Ms. Ishma Rahela Khan, Ms. Jeba Bano, Mr. Aniket Yadav				
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### Bibliometrics of the publications based on Scopus/web of science & h-index.

Research Publication (2024 -25)	Scopus	Web of Science	Peer reviewed
93	41	36	16

### Number of Invited Lectures/Plenary Lectures organized by the Department.

S.No.	Topic	Guest Speaker	Date	Affiliation
1	Dermal drug delivery	Prof. Dr. Mohammed Aqil	10/05/2025	Department of Pharmaceutics, School of Pharmaceutical Education and Research, Jamia Hamdard
2	Pharmacology in Depth: Receptors, Pathways, and Clinical Cautions	Prof. (Dr.) Harlokesh Narayan Yadav	08/05/2025	All India Institute of Medical Sciences (AIIMS), New Delhi
3	Insights into Pre -Clinical Research & Quality Assurance in the Pharma Industry	Ms. Preeti Shrivastava	06/03/2025	QA Head at Biotenic Pharma
4	How AI is Transforming the Future of Peptide Based Medicines	Dr. Ved Srivastava	06/03/2025	Chief Technology Officer at Perpetual Medicines, USA
5	Recent Trends in Pharma Marketing	Mr. Fahmi Kamal Khan	15/02/2025	(DSM, Medicross Pharma-Chem Ltd
6	Recent Trends in Pharma Marketing	Mr. Syed Ehtisham Husain	15/02/2025	Director, Gracemed Formulations Pvt. Ltd
7	Patient Counselling Regarding Vaccination	Mr. Awadhesh Kumar	25/09/2024	Therapy Business Manager at the Metabolics and Urology Division, Abott India Limited
8	Generic Medicines and Public Awareness	Dr. Uma Shanker	25/09/2024	Consultant Scientist at Biotech Park, Lucknow
9	Drug Abuse and Addiction	Prof. Zeba Aqil	25/09/2024	Head of the Department of Humanities, Integral University
10	'Why and How to report ADRs'	Mr. Anoop Kumar	23/09/2024	Senior Pharmacovigilance Associate, National Coordination Centre - (PvPI, Indian Pharmacopoeia Commission, Ministry of Health & Family Welfare, Government of India
11	Importance of Pharmacovigilance and ADR reporting	Prof. R.K. Dixit	17/09/2024	Department of Pharmacology, KGMU, Lucknow
12	Hypoxia and Cancer: Recent Developments	Professor Gaurav Kaithwas	14/09/2024	Dean of the Department of Pharmaceutical Sciences at Babasaheb Bhimrao Ambedkar University, Lucknow

13	Molecular Targets for Assessing Cardiotoxicity in Murine Models	Professor Syed Ehteshamul Haque	06/09/2024	Department of Pharmacology, School of Pharmaceutical Education and Research (SPER), Jamia Hamdard, New Delhi
14	Trends in Drug Discovery from Natural Resources	Professor Sayeed Ahmad	31/08/2024	Department of Pharmacognosy and Phytochemistry School of Pharmaceutical Education and Research Jamia Hamdard, New Delhi

Effective curriculum delivery is attained through well planned and documented process. Academic Council, Board of Studies and other academic committees work in coordination to strengthen curricular, co-and extracurricular activities. Activities are planned in advance through preparation of activity calendar, to accomplish and adhere to the CO's, PO's and PEO's. The faculty offers 07 academic programs and 01 Ph.D. program. Regular revision of the syllabus offers academic flexibility to enhance employability skills of the students by integrating discipline specific, interdisciplinary/multidisciplinary electives in curricula to meet student's interests and aspirations. Courses relevant to Professional Ethics and Human Values are also integrated in relevant programs. Environmental issues and its sustainability are an integral part of most of the UG/PG programs. Value-added certificate programs inculcate research aptitude, soft skills, personality development, transferable and life skills to keep students conversant with current global scenario.

#### ICT enabled tools

#### The Details of seed money provided to teachers for research.

- Dr. Reshu Tiwari received seed money of Rs. 200000, for a minor project with the title "Formulation development of Cannabinoid niosomal gel for treatment of Diabetic neuropathic pain". (Continued)
- Dr. Irfan Aziz received seed money of Rs. 1,50,000, for a minor project with title "Liquid chromatography tandem mass spectroscopy method for development of estimation of markers in Qurs-E-Ziabetus-Khas". (Continued)

#### Awards received by department,

S.No.	Faculty	Type of conference	Department	Name of Event	Type of Award	Name of Awarding Agency
1	Aditya Singh	International	Pharmacy	Innovation in Pharmaceutical Sciences: Bridging biotechnology and clinical practices	Young Scientist Award	Sponsored by GPAT Discussion Centre & CSIR, New Delhi
2	Mohd. Sharique	International	Pharmacy	Trends and Innovation in Science and Engineering (TISE-CON 2025)	Best Oral Presentation Award - 3 <sup>rd</sup> Position	Dept of Bioengineering, Faculty of Engineering & IT, and Integral Startups Foundation, Integral University
3	Aimen Salman	National	Pharmacy	2nd One day National Conference on "Recent Trends in Phytopharmaceuticals	Oral Presentation Award- 2 <sup>nd</sup> Position	Harsha Institute of Pharmacy
4	Poonam Kushwaha	International	Pharmacy	Innovation in Science and Technology for sustainable Development 2.0-IS	Young Scientist Award	Maharshi University of Information Technology, Lucknow

**A brief on start-ups incubated at CIED.**

The Faculty of Pharmacy students showcased their entrepreneurial spirit by actively participating in various startup events, culminating in the creation of a company. This initiative highlights the institution's emphasis on innovation and practical application of pharmaceutical knowledge. By engaging in startup events, students leveraged opportunities to network, develop business ideas, and transform them into tangible ventures. This achievement not only demonstrates the students' capabilities but also reflects the faculty's commitment to fostering entrepreneurship and industry readiness among its graduates. The company's establishment is a testament to the students' potential to innovate and contribute to the pharmaceutical industry's growth.

**Details:**

Company : Affan Perfumes and Maison Affan Le reve

Founder: Mohd Affan Khan

Current Status: Pre-incubation.

## DEPARTMENT OF BIOSCIENCES

**Abdul Rahman Khan**, Dean

**Prof. Snober S. Mir**, Head

The Department of Biosciences (DST-FIST Sponsored) at Integral University serves as a hub for research and educational endeavors aimed at fostering a multidisciplinary understanding of modern biology. The Department has garnered recognition for its receipt of extramural grants from prominent funding agencies such as DST, DBT, ICMR, DHR and UP-CST, which have been instrumental in bolstering its research infrastructure. Supported by the DST-FIST grant, the Department has successfully enhanced its instrumentation facility. Research within the Department spans various critical areas including Clinical Biochemistry, Cancer Biology, Nanomedicine, Plant Molecular Biotechnology, Neurobiology, Stem Cells, Regenerative Medicine, Integrated Pest Management and bioenergy production. Notably, our students have excelled in competitive examinations such as NET/GATE and have pursued training, including doctoral and post-doctoral studies, at prestigious institutions both nationally and internationally.

### **Highlights of the major activities and achievements:**

The Department organized a series of guest lectures, expert talks, and workshops featuring distinguished academicians and researchers from diverse fields. These sessions significantly enriched the knowledge of both faculty and students by providing valuable insights and opportunities for engagement with experts on a wide range of topics. Key areas covered included the fundamentals of cancer and advanced therapeutic approaches, nanotechnology, applications of next-generation sequencing (NGS) in genomics, comprehensive understanding of cell signaling pathways and their dysregulation in cancer, as well as emerging therapeutic strategies targeting these pathways.

Participants also gained a foundational understanding of flow cytometry—its principles, techniques, and applications—and enhanced their awareness of biosafety practices, including containment procedures and risk assessment methods essential for laboratory work. A dedicated Science Communication Workshop highlighted the intersection of science, art, literature, and communication, equipping students with skills to effectively convey complex scientific concepts to diverse audiences.

These initiatives not only motivated students but also fostered critical thinking, analytical reasoning, and a deeper appreciation for scientific inquiry. The Department also took a significant step in organizing an international symposium, ONCOAWARE: Cancer Education and Awareness Initiative, aimed at promoting cancer awareness and education, while strengthening collective efforts in the fight against cancer. Such events served as a platform to bring eminent researchers together, inspiring and empowering the next generation of scholars.

To further enhance academic excellence, the Department, in collaboration with the Human Resource Development Centre, has also organized refresher courses, short-term courses, and workshops featuring lectures, hands-on training, and demonstrations of new softwares, tools, and technologies. The Department also published 44 research and 27 review articles in peer-reviewed journals having high impact factors indexed in Scopus, SCIE (Web of Science) and PubMed. Faculty members of the Department published 22 book chapters. The Department has one published patent.

### **A brief on Research projects:**

The Department is a vibrant hub of research excellence, driven by a commitment to addressing fundamental biological problems. As a highly research-intensive unit, with faculty securing competitive extramural grants from national and state funding agencies, the department is running following research projects:

- Exploring the role of cytochrome P450 monooxygenases in sennoside biosynthetic pathway of *Senna alexandrina* Mill funded by Science & Engineering Research Board (SERB), Department of Science & Technology (DST) (PI: Dr. Amita Dubey)
- Unravelling the functional cooperation between Ubiquitin-Proteasome Pathway and Xenophagy (Selective autophagy): Role of Toxin-Antitoxin (TA) family proteins of *Mycobacterium tuberculosis* funded by Uttar Pradesh Council of Science and Technology (PI: Dr. Mohd. Khubaib)

- Elucidation of Hsp90 inhibition in combination with repurposed drug Metformin as a therapeutic strategy against Lung Cancer funded by Science & Engineering Research Board (SERB), Department of Science & Technology (DST) as Core Research Grant (PI Dr. Snober S Mir)
- An Approach Towards Improving Care for Alzheimer's Disease and Type 2 Diabetes Mellitus Through the Design of Nano-Chaperones Targeting Amyloid  $\beta$ -Peptide and Islet Amyloid Polypeptide Aggregation funded by DST- SERB-SURE (PI Dr. Salman Khan).
- Investigating the role of Icariside II (ICSII) in Parkinson's Disease model funded by Council of Science and Technology-Uttar Pradesh (CST-UP) (PI-Dr. Mohammad Rumman).

Beyond these externally funded initiatives, our research culture is further strengthened by internal grants in the form of Seed Grant. Two of our new faculty members have recently been awarded this grant to catalyze their research directions. The details of these grants are as follows:

Sl. No.	Name of the Faculty	Project Title	Money received
1	Dr. Taiba Saeed	<i>In vitro</i> studies on metatopolin induced enhanced regeneration, gymnemic acid production and assessment of genetic fidelity in <i>Gymnema sylvestre</i> (Retz.) Schult	Rs. 3,00,000
2	Dr. Durdana Yasin	Neuroprotective effect of phycoerythrin loaded lipid nanoparticles in Parkinson's disease model	Rs. 3,00,000

### Inter-Institutional Collaboration & Partnerships

The Department is open to collaborative research to address the complex biological challenges through networked expertise and shared resources. The department has partnerships with many premier national and international institutions through Memoranda of Understanding (MOUs), joint research projects, joint publications, student dissertation, educational visits, cross-disciplinary programming, and facility for sharing of expertise and resources. Additionally, the department participates in programs that promote student exchanges, guest lectures, research interaction, and integrated training, thereby fostering a networked approach to solving complex biological problems. These structured arrangements are overseen by coordinators to ensure effective governance, intellectual property management, and alignment with strategic research objectives. Some major collaborations in past year includes:

- International: United Arab Emirates University, King Abdulaziz University, Jaazan University, Washington State University, Ross University, National University of Singapore, Purdue University, University of Texas Rio Grande Valley, Hamad General Hospital, Ala-Too International University, Hammad Bin Khalifa University, Hazm Maubrairek Hospital, National University of Singapore, Universiti Malaysia Terengganu and others.
- National: CSIR laboratories (Central Institute for Medicinal and Aromatic Plants, Central Drug Research Institute, National Botanical Research Institute, Indian Institute of Toxicology Research, Institute of Microbial Technology), Academy of Scientific and Innovative Research (AcSIR), ICAR-Indian Veterinary Research Institute, ICMR- Regional Medical Research Centre, Sanjay Gandhi Postgraduate Institute of Medical Sciences, King George's Medical College, IIT Delhi, Aligarh Muslim University, Sher-e-Kashmir University of Agricultural Sciences and Technology of Kashmir, Dr. Ram Manohar Lohia Awadh University, Guru Angad Dev Veterinary and Animal Sciences University, Agra Bear Rescue Centre, Chhatrapati Shahu Ji Maharaj University Jaypee University of Information Technology, and many more.

A cornerstone of collaborative effort is to provide training of our postgraduate students in premium institutes. In a recent cohort, twenty-seven students from our M.Sc. programs in Biotechnology and Microbiology completed their dissertations at renowned national. The list of the collaborative Institutes are as below:

S. No.	Course/Program	Institutions where students have undergone dissertations along with the number of students
1	M.Sc. Biotechnology	<ul style="list-style-type: none"> <li>CSIR-National Botanical Research Institute (NBRI), Lucknow (06)</li> <li>CSIR- Indian Institute of Toxicology Research (04)</li> <li>CSIR-Central Institute of Medicinal and Aromatic Plants (CIMAP), Lucknow (04)</li> <li>ICMR-Regional Medical Research Centre Gorakhpur (02)</li> <li>Aligarh Muslim University (02)</li> <li>UP Council of Sugarcane Research (UPCSR), Shahjahanpur (01)</li> <li>Indian Institute of Technology (IIT), Delhi (01)</li> <li>CSIR - Institute of Microbial Technology (IMTECH) (01)</li> <li>International Centre for Genetic Engineering and Biotechnology (ICGEB), Delhi (01)</li> <li>Sanjay Gandhi Post Graduate Institute of Medical Sciences, Lucknow (02)</li> </ul>
2	M.Sc. Microbiology	<ul style="list-style-type: none"> <li>CSIR-Central Drug Research Institute (CDRI), Lucknow (03)</li> </ul>

### Seminars/ Conferences held:

#### Two-days "Basic Flow Cytometry Workshop"

A two-days "Basic Flow Cytometry Workshop" was organized on 23rd-24th October, 2024 by the Integral Centre of Excellence for Interdisciplinary Research (ICEIR) & Department of Biosciences, aimed at providing participants with a foundational understanding of flow cytometry principles, techniques, and applications. The workshop attracted a diverse group of students, eager to enhance their expertise in this powerful analytical tool. Led by experienced instructors with extensive backgrounds in flow cytometry, the workshop balanced theoretical concepts with practical, hands-on training. The workshop aimed to instill practical skills to enhance their employability, and included both lectures and practical sessions. The workshop witnessed the enthusiastic participation from the students and faculty members. Participants were from the Dept. of Biosciences, Pharmacy, and Integral Institute of Allied Health Sciences. The workshop included lecture session by the resource persons namely Dr. Shashank Mishra, Application Scientist, BD Biosciences and Mr. Gaurav Asthana, Area Sales Manager, Biosciences, BD Life Sciences.



Two-day "Basic Flow Cytometry Workshop" organized on 23rd-24th October, 2024 by the Integral Centre of Excellence for Interdisciplinary Research (ICEIR) & Department of Biosciences, Integral University, Lucknow

### One-Day Workshop on Laboratory Biosafety Training

The Department in collaboration with ICEIR successfully conducted a One-Day Workshop on Laboratory Biosafety Training on 7th December, 2024. The workshop aimed to enhance awareness and understanding of biosafety principles, containment practices, and risk assessment procedures among participants working in laboratory environments. The workshop saw the enthusiastic participation of 40 attendees, which included research scholars, students, laboratory technicians, and faculty members. During this event, Dr. B.N. Singh (Chief Scientist, CSIR-CDRI Lucknow and DBT NOMINEE, IBSC) delivered an engaging talk on "Biosafety Levels and Containment Practices".

### One day symposium on "ONCOAWARE: Cancer Education and Awareness Initiative"

A one-day Symposium "ONCOAWARE: Cancer Education and Awareness Initiative" on 8th February, 2025 was organized by the Department in collaboration with ICEIR. This day, which is celebrated as World Cancer Day, is based on a powerful theme-"United by Unique." The theme also focused towards rewriting the future of cancer care - which starts with the collective efforts of the community and the individual action of every person. The session was conducted by the esteemed guest, Dr. Pankaj Kumar, Head of the Department of General Surgery at the Integral Institute of Medical Sciences and Research, Integral University, Lucknow. He delivered an engaging and insightful talk, emphasizing the significance of the day dedicated to raising awareness about cancer and promoting its prevention, early detection, and treatment to help reduce the global cancer burden. A poster presentation and a quiz competition were also held during the event active participation from over 120 attendees including Faculty, research scholars and students of undergraduate and postgraduate programs.



An International Symposium on "Oncoaware: Cancer Education and Awareness Initiative" on 8th February, 2025.

### Science Communication Workshop

The BIOScope - Student Council Biosciences, successfully organized the second season of the Science Communication Workshop on 25th February, 2025 sponsored by the Science and Engineering Research Board (SERB), which aimed to explore the intersection of science, art, literature, and communication, encouraging students to effectively convey complex scientific concepts to a broader audience. Science communication served as a bridge between researchers and society, making scientific knowledge more accessible, engaging, and impactful. Building on the success of its first edition, Science Communication Workshop 2.0 focused on nurturing creative scientific expression through storytelling, visual arts, and improvisation. The event was graced by esteemed guest speakers Prof. Chandra Mohan Nautiyal, Dr. Ipsa Jain, and Dr. Vijeta Raghuram.

### Three-days Quality Improvement Programme (QIP) on "Teaching and Research Pedagogies"

A three-day Quality Improvement Programme (QIP) on "Teaching and Research Pedagogies" was organized from 26th to 28th May, 2025. The central theme of the programme focused on equipping educators with active

learning and innovative teaching strategies, essential for fostering deeper understanding, critical thinking, and lifelong learning among students. The programme also emphasized the importance of assessment and feedback techniques as a cornerstone of effective teaching and learning. These practices not only inform future instruction but also support student development and motivation. In addition, participants engaged in sessions aimed at enhancing professional development and collaboration, strengthening research skills and scholarly practices, and exploring the integration of technology and emerging educational trends. The programme further aimed to cultivate leadership and organizational abilities, encouraging a culture of continuous improvement and reflective practice among educators. The programme included eminent speakers from reputable institutions including Prof. Mohd. Arshad, Professor in the Department of Zoology at Aligarh Muslim University (AMU); Prof. Ram Chandra, Director of the Internal Quality Assurance Cell (IQAC) at Babasaheb Bhimrao Ambedkar University (BBAU), Lucknow; Prof. Naimur Rahman Kidwai, Deputy Director, IQAC, Professor in the Department of Electronics & Communication Engineering, Faculty of Engineering & IT, Integral University, Lucknow. The program was attended by 21 faculty members and 5 lab staff members of the department.

### Seven days Professional Development Program on “Teaching & Research Pedagogies and Educational Technology Integration

The Department organized a comprehensive 7-day Professional Development Program (PDP) from 26th May-1st June, 2025. The program focused on equipping educators with active learning strategies, innovative teaching methodologies, research enhancement techniques, and professional development opportunities. The central themes encompassed active learning and innovative teaching strategies, and educational technology integration assessment and feedback techniques, professional development and collaboration, research skills and scholarly practices, technology integration in education, leadership and organizational abilities, and industry-academia collaboration. The series of sessions was presided over by renowned and distinguished speakers from diverse fields, including Prof. Mohd Arshad (AMU), Prof. Ram Chandra (BBAU), Prof. Naimur Rahman Kidwai (Electronics & Communication, IU), Dr. Syed Tasleem Raza (Era's Medical College), Dr. Sarika Singh (CSIR-CDRI), Mr. Eby John (Revvity), Dr. Mohammad Azhar Aziz (AMU), and Mr. Yawer Ali Shah (CEO, AMA Herbal).

### Patents

The Department of Biosciences has filed one patent this year. The details are enlisted as below:

Title of IPR	Authors Name	File Number	Name of The Patenter	Patent Details	Patent Status Published/Filed	Patent Number	Title Of The Patent	Date of Award/ Date of Award of Patent
Patent	Uzma Afaq, Syed Khalida Izhar, Shareen Fatima Rizvi, Arshi Siddiqui		Integral University	Published	Published	202411056463	Exploration of plant growth promoting effects of novel Actinobacterial strain SKI-[H] on <i>Vigna radiata</i> .	20 June, 2025

### Number of Adjunct Professor-01

Name: Dr. Shahab Uddin, Khan

Designation: Adjunct Professor, Integral University

Date of joining: January 01, 2023

Prof. Shahabuddin Khan, Professor, Cancer Biology, Laboratory of Animal Research Center, Qatar University, Qataris associated with Department of Biosciences Integral University as an Adjunct Professor. As Principal Scientist/ Head of research core, he is involved in a variety of oncology-related research projects. Prof. Khan is known for his strong knowledge and experience in basic and clinical cancer research and human malignancies. He has more than 25 years of expertise in the field of cancer research and translational oncology. He has written more than 300 research articles having h-index 71 and i10-index 211. He has successfully

completed more than 30 research projects and guided around 100 UG/PG students. Prof. Khan is listed among the top 2% of the scientist globally published by Standford University, USA.

### Number of New Academic programs started

One new UG course namely B.Sc. ZBC is introduced according to the NEP. Other running NEP UG programmes viz., B.Sc. Biotechnology and B.Sc. Biochemistry were also aligned according to new NEP.

### International Visitors to the Department -

- Dr. Mohammad Hassan Baig, Research Professor in Yonsei University College of Medicine, Seoul, South Korea.
- Mr. Abdul Qavi, Managing Editor at Rasmal Inc. and Director at Startup Grind, Lucknow.

### Curricula Developed:

Various courses offered by the department have focus on employability and entrepreneurial skill development. The newly inducted NEP courses have vocational courses which are mandatory.

### ICT-enabled tools:

The quiz and assignment of any course is conducted through ILI. Through ILI, students are also informed about the new learning materials.

### Number of JRFs, SRFs, Post-Doctoral Fellows, Research Associates and other research fellows enrolled during the reporting year.

S.No.	Name of Research fellow	Year of enrolment	Duration of fellowship	Type of the fellowship	Granting agency	Qualifying exam if any (NET, GATE, etc.)
1	Kahkashan Anjum	2024-25	3 years	Project Associate-I	UP Council of Science & Technology (UP-CST)	No
2	Sana Parveen	2024-25	2 years	Project Associate-I	DST-SERB	No
3	Pooja Mishra (Continuation)	2023-24	3 years	Project Associate-I	DST-SERB	No
4	Saima Khan (Continuation)	2022-23	3 years	Research Assistant	UP-CST	No

### Details of Extramural funding for Research during the year

Sl. No.	Name of the Faculty	Project Title	Funding Agency	Amount (Lakhs)
1	Dr. Mohammad Rumman	Investigating the role of Icariside II (ICSII) in Parkinson's Disease model	Council of Science and Technology-Uttar Pradesh (CST-UP)	15.36

### Number of workshops/seminars conducted on Research methodology, Intellectual Property Rights (IPR), entrepreneurship, skill development. 05

Extension activities in the neighborhood community in terms of impact and sensitizing students to social issues and holistic development.

The Department in collaboration with the National Service Scheme (NSS), undertook a community welfare

initiative focusing on two critical areas: awareness on cervical cancer, sanitization, cyber security and road safety. Through these initiatives, the Department of Biosciences at Integral University, along with NSS demonstrated a strong commitment to the welfare of the community, focusing on health, hygiene, safety and cyber security.

**A brief about two best practices successfully implemented by the department:**

- To align and streamline the faculty members and staff of the Department, review meetings, internal audit and RISE program were organized at regular intervals. Guest lectures, workshops, seminars and symposia on different topics were also organized for effective communication and fostering linkages with peers outside the university. Such meetings and discussions help faculty members to streamline their research and strengthen their academic prowess.
- The Department offers cutting-edge Value-Added Courses to students to enable them to advance their learning experience. Moreover, such offers are generally offered through an Online portal which helps them to learn the integrated approach of the Internet and biological sciences. Department also offers Summer Internship to students to enhance their vocational skill and practical knowledge.

**A brief on student's progression and placements.**

- One out of total 38 students from B.Sc. Biotechnology (2024-25 passout) are placed in HCL and Accenture.
- Twelve out of 25 students from M.Sc. Microbiology (2024-25 passout) are placed at different places like Jubilant Foodworks Ltd. And SLMG bevarages Pvt Ltd. (Coca Cola)
- Two out of 70 students from M.Sc. Biotechnology (2024-25 passout) are placed at SLMG bevarages Pvt Ltd. (Coca Cola)
- Three out of 12 students from B.Sc. biochemistry (2024-25 passout) are progressed to M.Sc. biochemistry in Jamia Hamdard and AMU.

**MoU linked with National /International Academic and Research Institutions/Industries/NGOs.**

Integral University has signed 10 MoUs with reputed National /International Academic and Research Institutions/Industries/NGOs.

# DEPARTMENT OF CHEMISTRY

## **Professor Abdul Rahman Khan : Dean & Head**

The rich legacy of the Department of Chemistry at Integral University dates back to the year 1998, coinciding with the establishment of the Integral Institute of Technology, and subsequently evolving into the full-fledged Integral University in 2004. The department is known for its inspiring faculty members and motivated students. The department offers undergraduate and postgraduate programs in Industrial Chemistry and Chemistry and also offers Ph.D. program in both full-time and part-time mode. The Ph.D. program encompasses various specialized fields including Analytical Chemistry, Inorganic Chemistry, Organic and Medicinal Chemistry, Physical Chemistry, and Environmental Chemistry, attracting a diverse cohort of scholars keen on advancing scientific knowledge. The department has state-of-the-art and meticulously designed laboratories to nurture the practical skills of the students. As the outcome of laborious work and quality research, more than 200 research papers affiliated to the Department have been published in National and International journals of repute. The faculty members have also authored several reference and textbooks and contributed book chapters in international books. They are also extending collaborations in India and abroad in the pursuit of quality research.

## **Highlights of the major activities and achievements**

- (a) The department observed and celebrated national and international days of importance like National Science Day, World Science Day, World Environment Day, and also hosted Global Women Breakfast 2025 in collaboration with the Association of Chemistry Teachers.
- (b) In a first-of-its-kind initiative, the Department organized a “Skill Up Empowering the Next Generation Program”, supported by Infosys Foundation and implemented by Centum Foundation & ICJ, in collaboration with the Department of Chemistry and HRDC, Integral University. 200 students were trained through the initiative, and several were offered placement and apprenticeships.
- (c) The faculty members from the department published more than 60 high-quality publications in journals of repute. They also published books and book chapters with international publishers. One of the faculty members from the department was awarded the Prestigious Outstanding Researcher of the Year Award for the year 2024 among the faculties of Science/Biological Sciences/Engineering.
- (d) Three patents were published by the department.
- (e) One Ph.D. scholar from the Department joined Texas Tech University, USA, for Post-doctoral studies.
- (f) Apprenticeship was offered to 12 final-year students at Jubilant Food Works.

## **A brief on Research projects being undertaken by department.**

Three SEED money projects are ongoing currently dealing with different aspects of chemical sciences. A summary of the projects is as follows:

- **Title :** Semiconductor nanoparticles-metal organic frameworks composite as potential photocatalytic material for the degradation of organic pollutants-
- **Title:** Design, synthesis, and antiproliferation of hybrids bis-Schiff's bases: in silico and in vitro studies
- **Title:** LC-MS/MS guided identification of secondary metabolites in fractions of natural products

## **Program taken up involving Inter-Institutional Collaboration.**

Ph.D. Program- The department boasts of some inter-institutional collaborations with prestigious institutions. As the institution has an MoU with CSIR-Indian Institute of Toxicology Research, Lucknow some registered Ph.D. scholars from the Department are working there in different laboratories.

## **Seminars/ Conferences organized by the department at the National/International level.**

During the session 2024-2025, the department organized a few academic meets/events, which are as follows:

- (a) **One-Week Training Workshop on Good Laboratory Practices and Safety**

The Department of Chemistry, Integral University, in collaboration with the Association of Chemistry Teachers (ACT) and Borosil Scientific Limited, organized a one-week workshop on Good Laboratory Practices and Safety Practices from 14th to 22nd August 2024. The activity was also aligned with SDGs 3, 11 and 13. Prof. Sudha Jain, Retired Head, Department of Chemistry & Former President, Association of Chemistry Teachers, University of Lucknow, Dr. Rachana Kumar, Principal Scientist, Associate Professor-AcSIR, Analytical Chemistry Division CSIR-Indian Institute of Toxicology Research, Lucknow, Mr. Rohan Mehrotra, Sales Executive Borosil Scientific Ltd., Dr. Asha Budakoti, DST- Women Scientist, CSIR-Central Institute of Medicinal and Aromatic Plants, Lucknow, Dr. Mohd. Azhar Khan, Head, Department of Chemistry, KCLK College, Kanpur, Prof. Susan Verghese P, Head, Department of Chemistry, St. John's College, Agra and Prof. Seema Joshi Head, Department of Chemistry, Isabella Thoburn College Lucknow were invited as the resource persons. Prof. Vinod P. Sharma, Sr. Principal Scientist & Head, Quality Assurance, CSIR-Indian Institute of Toxicology Research, Lucknow and Prof. Shradha Sinha, Vice President- North Zone Association of Chemistry Teachers were invited as chief guests during the valedictory session. 157 participants from Chemistry, Pharmacy, Biosciences, and Paramedical Sciences attended the program.

**(b) Skill-Up Empowering the Next Generation Initiative, supported by Infosys Foundation, Implemented by Centum Foundation & Innovation Comes Jointly**

In collaboration with HRDC, Integral University, a 60-hour Skill Development Program was organized for the final year students, from 15th-31st January, 2025, having Science as a subject in 10+2. The objective of the program was to train the students for Soft Skills / Employability Skills, Digital Literacy etc. In continuation of the program, two placement drives were also organized:

- **Placement Drive by GTT Healthcare Staffing Solution on 31st January 2025**

GTT Healthcare Staffing Solutions visited the campus to conduct a placement with the students trained through the initiative. Approximately ninety students registered for the screening, which was conducted through a written test, followed by a group discussion and personal interview. A total of 07 students were selected through a rigorous screening.

- **Placement drive by Jubilant FoodWorks on 22nd February, 2025**

Mr. Ashwani Jaiswal, HR, Manager, Jubilant Food Works, visited the campus to conduct interview with the registered students for the post of Graduate Apprentice Trainee and Diploma Apprentice Trainee. A total of 60 students were selected and received their offer letters.

**(c) Online Seminar on Empowering Women in Science: Challenges and Prospects:**

The theme for #GWB2025 was "Accelerating Equity in Science" in support of the International Year of Quantum Science and Technology (IYQ) celebration. To mark GWB 2025, the Department of Chemistry, Integral University and Department of Applied Sciences, Indian Institute of Information Technology, Allahabad jointly organized an online seminar on 11th February in online mode, in collaboration with the Association of Chemistry Teachers. This seminar aimed at bringing some highly accomplished women scientists to share their experiences and sensitize young students towards their contribution to science. The event was also aligned with the Sustainable Development Goal 5 (Gender Equality). Professor Krishna Mishra from Department of Applied Sciences, Indian Institute of Information Technology, Allahabad, Dr. Ritu Trivedi, Senior Principal Scientist, Endocrinology Division, CSIR-Central Drug Research Institute Lucknow, Dr. Abha Meena, Principal Scientist & Associate Professor (AcSIR), Molecular Bioprospection and Product Development Department, CSIR-Central Institute of Medicinal and Aromatic Plants, Lucknow, Dr. Rachana Mishra, Principal Scientist and Associate Professor (AcSIR), Analytical Chemistry Division, CSIR-Indian Institute of Toxicology Research, Lucknow, Dr. Tripti Ahuja, Project Scientist, Common Research and Technology Development Hub, CSIR-Indian Institute of Toxicology Research, Lucknow were the resource persons. 165 Registrations were obtained.

**(d) National symposium on Academia to Industry: Bridging the Gap for Chemists**

The Department of Chemistry, in collaboration with Babasaheb Bhimrao Ambedkar University (BBAU), Lucknow, and TEVA API India Limited, Malanpur, Gwalior, successfully organized a national symposium titled 'Academia to Industry: Bridging the Gap for Chemists' on 25th April, 2025. The

symposium aimed to provide a common platform for academicians, researchers, and industry professionals to exchange ideas and explore avenues for collaborative growth. Prof. Anjani Kumar Tiwari from Babasaheb Bhimrao Ambedkar University, Lucknow, delivered the first keynote address. The second keynote address was delivered virtually by Mr. Shailendra Raghuvanshi, from Teva API India.

#### (e) Workshop on Intellectual Property Rights

The Department of Chemistry, Integral University, Lucknow, organized a workshop on Intellectual Property Rights on 26th April, 2025. The keynote speakers were Dr. Bharat Kumar, Assistant Professor, Department of Chemistry, University of Lucknow and Dr. Bharti Jain, Advocate and Registered Patent Agent, Swash Legal Consultant, New Delhi. Prof. Abdul Rahman Khan, Dean, Faculty of Science and Prof. Wahajul Haq, Dean, Research and Development, Integral University, Lucknow were also present on the occasion.

#### A brief on University-Industry Linkages.

During the session 2024-2025, the Department Organized two events in collaboration with industries to strengthen University-Industry linkage:

- “Skill-Up Empowering the Next Generation Initiative”, Supported by Infosys Foundation, Implemented by Centum Foundation & Innovation Comes Jointly, from 15th-31st January, 2025
- “Industry Exposure and Career Exploration: Innovative Teaching and Experiential Learning”, Visit to Berger Paints, Sandila, Hardoi, Uttar Pradesh, from 22nd-25th February, 2025.
- National symposium on “Academia to Industry: Bridging the Gap for Chemists”, in collaboration with Babasaheb Bhimrao Ambedkar University (BBAU), Lucknow, and TEVA API India Limited, Malanpur, Gwalior, on 25th April, 2025.

#### A brief on Specific Collaborative Arrangements.

During the academic session 2024-2025, the department organized a few collaborative events. The details of which are as follows:

- An Awareness Program and Slogan Writing Competition on “Gender Equity: Challenges and Opportunities” organized by the Department of Chemistry, Integral University in collaboration with the Association of Chemistry Teachers and NSS, IU nit on 3rd August, 2024.
- An Awareness Program and Sketching/Drawing Competition on “Gender Equity: Challenges and Opportunities” organized by the Department of Chemistry, Integral University in collaboration with the Association of Chemistry Teachers and NSS, IU nit on 3rd August, 2024.
- One Week Training Workshop on “Good Laboratory Practices and Safety Measures”, organized by the Department of Chemistry, Integral University in collaboration with the Association of Chemistry Teachers and Borosil Scientific Limited, from 14th-22nd August 2024.
- World Science Day Celebration, organized by the Department of Chemistry, Integral University in collaboration with Association of Chemistry Teachers, on 11th November 2024.
- 60-hour Employability Enhancement Initiative, supported by Infosys Foundation, implemented by Centum Foundation and Innovation Comes Jointly (ICJ), organized by Department of Chemistry and HRDC, Integral University from 15th-31st January, 2025.
- Online Seminar on “Empowering Women in Science: Challenges and Prospects”, as a part of Global Women's Breakfast 2025, organized by the Department of Chemistry, Integral



- University, in collaboration with Department of Chemistry Teachers and IUPAC on 11th February
- "National Science Day", organized by the Department of Chemistry Teachers and the Association of Chemistry Teachers on 11th February, 2025.
  - National symposium on "Academia to Industry" organized by Babasaheb Bhimrao Ambedkar University (BUA) on 25th April, 2025.
  - Workshop on Intellectual Property Rights, organized by the Department of Chemistry, Integral University, in collaboration with NIPAM and UNIPAM on 26th April, 2025.
  - Online Awareness Program on "Combating Plastic Pollution" on World Environment Day 2025, organized by the Department of Chemistry, Integral University, in collaboration with SparkLiv on 5th June, 2025.



**The faculty members from the department of Chemistry are actively engaged in research, for instance:**

1. University of Lucknow
2. King George's Medical University, Lucknow
3. Era's Lucknow Medical College, Lucknow
4. Aligarh Muslim University
5. University of Mysore
6. CSIR-CDRI Lucknow
7. Jamia Milia Islamia, New Delhi
8. King Khalid University, Saudi Arabia
9. St. Andrews College, Gorakhpur
10. CSIR-National Botanical Research Institute, Lucknow
11. CSIR- Indian Institute of Toxicology Research, Lucknow
12. Indian Institute of Information Technology, Allahabad
13. University of Texas Rio Grande Valley, USA
14. Isabella Thoburn College, Lucknow
15. Jeonbuk National University, Republic of Korea
16. King Saud University, Saudi Arabia
17. Qatar University, Qatar
18. Kocaeli University, Turkey
19. Aringar Anna Govt. Arts College, Tamil Nadu
20. Women's Christian College, Tamil Nadu

### A Brief on Community welfare/ Charitable activities undertaken during the year.

S. No.	Activity	Date	Number of Participants	Mapped UN SDGs
1	An Awareness Program and Slogan Writing Competition on "Gender Equity: Challenges and Opportunities"	3 <sup>rd</sup> Aug, 2025	45	5
2	An Awareness Program and Sketching/Drawing competition on "Water Sanitation and Conservation"	3 <sup>rd</sup> Aug, 2025	47	6
3	Slogan and Essay Writing Competition on "Empowerment: By the women, For the Women"	28 <sup>th</sup> Oct, 2024	32	5, 10
4	Online Lecture on "Role of Women in STEM Education"	29 <sup>th</sup> Oct, 2024	45	5, 10
5	World Science Day for Peace and Development	11 <sup>th</sup> Nov, 2024	36	4
6	Extension Activity on "Awareness on Adulteration in Spices"	8 <sup>th</sup> Fe, 2025	37	3

### Patents:

S. No.	Application Number	Title	Status
1	202411092577	Novel oxindole-chalcone derivatives as a drug for renal as well as CNS cancer thereof	Published 3.1.2025
2	202511007728	Halogens' effect on human cancer cells of synthesized Vilsmeier reaction-based indole-containing bis-Schiff base derivatives thereof	Published 14.2.2025
3	202511006283	Synthesis of bis-oxindole-containing tetra-Schiff base derivatives and antibacterial investigation thereof	Published 14.2.2025

### Bibliometrics of the publications based on Scopus/web of science & h-index.

S. No.	Journal's name	Impact Factor	Indexing	H-index*	Quartile*
1	Chemical Engineering Journal	13.2	Scopus, WoS, UGC Care	337	Q1
2	Inorganic Chemistry Communications	5.4	Scopus, WoS, UGC Care	87	Q1
3	Journal of Molecular Liquids	5.2	Scopus, WoS, UGC Care	189	Q1
4	Journal of Molecular Structure	4.7	Scopus, WoS, UGC Care	134	Q2
5	Antibiotics	4.6	Scopus, WoS, UGC Care	99	Q1
6	Material Science and Engineering B	4.6	Scopus, WoS, UGC Care	141	Q1
7	ACS ES&T Water	4.3	Scopus, WoS, UGC Care	37	Q1
8	Results in Chemistry	4.2	Scopus, WoS, UGC Care	33	Q2
9	Scientific Reports	3.9	Scopus, WoS, UGC Care	347	Q1
10	Medicinal Chemistry Research	3.1	Scopus, WoS, UGC Care	64	Q2
11	Natural Sciences	3.1	Scopus, WoS, UGC Care	12	Q1
12	Computational Biology and Chemistry	3.1	Scopus, WoS, UGC Care	73	Q2
13	Frontiers in Sustainable Food Systems	3.1	Scopus, WoS, UGC Care	70	Q1
14	Journal of Traditional and Complementary Medicine	3.0	Scopus, WoS, UGC Care	67	Q1
15	Journal of Applied Toxicology	2.8	Scopus, WoS, UGC Care	106	Q2
16	Toxicology in vitro	2.7	Scopus, WoS, UGC Care	134	Q2
17	Chemistry and Biodiversity	2.5	Scopus, WoS, UGC Care	87	Q3
18	Cell Biochemistry and Biophysics	2.5	Scopus, WoS, UGC Care	94	Q2
19	Toxicon	2.4	Scopus, WoS, UGC Care	148	Q3
20	Chemistry Select	2.0	Scopus, WoS, UGC Care	70	Q3
21	Drug Research	1.7	Scopus, WoS, UGC Care	73	Q3
22	Comb. Chemistry & High Throughput Screening	1.7	Scopus, WoS, UGC Care	73	Q3
23	Biologia	1.6	Scopus, WoS, UGC Care	53	Q2
24	Environmental Quality Management	1.3	Scopus, WoS, UGC Care	37	Q3
25	Vietnam Journal of Chemistry	1.2	Scopus, WoS, UGC Care	18	Q3
26	Russian Journal of General Chemistry	0.8	Scopus, WoS, UGC Care	39	Q4
27	Rocznik Ochrona Środowiska	0.4	Scopus, WoS, UGC Care	21	Q4

\* Based on Scimago Journal and Country Rank

### Number of Invited Lectures/Plenary Lectures organized by the Department.

During the session 2024-2025 the department organized three guest lectures on different topics by eminent resource persons. The details are given below:

1. Guest Lecture on "Sustainability of Nature" by Prof. Dhruv Sen Singh, Head Department of Geology, University of Lucknow, on 1st August 2024. The lecture was also aligned with the SDGs 13 (Climate Action) and 15 (Life on Land).
2. Guest Lecture on "Role of Women in STEM Education" by Prof. Seema Wali, Principal, Techno Group of Institutions on 29th October, 2024, under the aegis of Mission Shakti and aligned with SDG 5 (Gender Equity).
3. Guest Lecture on "Role of Youth in Viksit Bharat" by Prof. Dhruv Sen Singh, Head, Department of Geology, University of Lucknow, Lucknow, on 28th February, 2025. The lecture was also aligned with Sustainable Development Goal 4 (Quality Education) and 17 (Partnership for the Goals).
4. Guest Lecture on "Empowering Indian Youth for Global Leadership in Science and Innovation through IP" by Dr. Kailash Chandra Khulbe, Chief Scientist, and Head, Research Planning and Business Development, CSIR-Indian Institute of Toxicology Research, Lucknow on 28th February, 2025. The lecture was also aligned with Sustainable Development Goal 4 (Quality Education) and 17 (Partnership for the Goals).

### Number of New Academic programs started in the academic session 2024-25. 01- B.Sc. (Hons.) Chemistry

The department has designed the curricula with a focus on enhancing the employability, entrepreneurship and skill development of the students. The list of such courses run in the last session 2024-25 is given below:

Course Code	Name of the Course	Year of Introduction	Focus on Employability/ Entrepreneurship/ Skill development	Activities/Content with direct bearing on Employability/ Entrepreneurship/ Skill development
CH101	Chemistry-I	1998	Employability/ Skill development	The use of UV -visible, FT-IR, and NMR spectroscopic techniques for structure determination, handling of pH meter and quantitative analysis skills
CH404	Environmental Chemistry	2005/2018	Employability/Skill development	Physical, chemical and biological water quality parameters; their assessment; Water pollution; water pollutants; toxicity aspects; international and national standards; control; Water sampling techniques; Water treatment processes: aeration, solid purification, nano filtration
CH406	Industrial Chemistry Practical-1	2005	Employability/ Skill development	Applications of chromatographic techniques, assessment of water quality parameters, and handling of UV-visible spectrophotometer
CH412	Industrial Chemistry Practical-2	2005	Employability/ Skill development	Handling of the pH meter, analysis of parameters relevant to the quality of oil, estimation of glucose and amino acids, isolation of lycopene, nicotine, lactose and caffeine, synthesis of aspirin
CH507	Industrial Chemistry Practical-3	2005	Employability/ Skill development	Preparation of polymers, cosmetic products and estimation of their key ingredients, estimation of fat, salt, and protein content
CH419	Chemistry Practical-1	2019	Employability/ Skill development	Applications of chromatographic techniques, assessment of water quality parameters, handling of UV - visible spectrophotometer, determination of viscosity and surface tension
CH422	Chemistry Practical-2	2019	Employability/ Skill development	Handling of the pH meter, analysis of parameters relevant to the quality of oil, estimation of glucose and amino acids, isolation of lycopene, nicotine, lactose and caffeine, synthesis of aspirin

CH508	Intellectual Property Rights	2015	Skill development	Protection and registration of patents and trademarks
CH517	Chemistry Practical-3	2019	Employability/Skill development	Preparation of polymers, chemical kinetics, synthesis of organic compounds, study of equilibrium
B190102 P/CH133	Basic Analytical Methods	2013	Skill development	Implementation of good laboratory practices, calibration of apparatus, purification of organic compounds, determination of viscosity and surface tension, quantitative analysis
B020102 P/CH134	Quantitative Analysis	2013	Employability/Skill development	Analysis of acidic and basic radicals
B190302 P/CH233	Industrial Chemical and Instrumentation Analysis	2013	Employability/Skill development	Handling of colourimeter, pH meter, conductometer, gravimetric analysis, and analysis of industrial raw material
B020302 P/CH234	Physical Analysis	2013	Skill development	Calibration of glass apparatus, preparation of standard solutions, determination of viscosity and surface tension, and boiling points
B190304 P/CH236	Chemical Preparation and Analysis	2013	Skill development	determination of density and solubility, instrumentation, preparation of salts
B190503 P/CH333	Industrial chemicals and pollution management	2013	Skill development	Assessment of the quality of fuel, parameters relevant to the quality of oil, preparation of organic compounds
B190503 P/CH339	Quantitative Analysis	2013	Skill development	Analysis and separation of anion & cation, detection of elements and function group, purification of organic compounds, preparation of derivatives of organic compounds

The details of the SEED money received by the faculty members are given below:

S. No.	Name of Faculty	Project Title	Grant Received	Sanction No.	Year of Sanction
1	Prof. Malik Nasibullah	Design, synthesis, and antiproliferation of hybrids bis-Schiff's bases: in silico and in vitro studies	2,000,00/-	IUL/IIRC/SMP /2023/006	2023 (Ongoing)
2	Dr. Naseem Ahmad, Dr. Nafees Ahmad	Semiconductor nanoparticles-metal organic frameworks composite as potential photocatalytic material for the degradation of organic pollutants	2,50,000/-	IUL/IIRC/SMP /2023/007	2023 (Ongoing)
3	Dr. Jamaal Akhtar Ansari	LC-MS/MS guided identification of secondary metabolites in fractions of natural products	1,50,000	IUL/ICEIR/SM P/2024/0018	2024

Number of Ph.D. awarded-07

Number of Ph.D. enrolled-08

Extension activities in the neighborhood community in terms of impact and sensitizing students to social issues and holistic development.

- On 3rd August 2024, the Departments of Science in collaboration with the NSS, IU unit and Association of Chemistry Teachers (ACT), organized an Awareness Program through slogan writing on "Gender Equity: Opportunities and Challenges". Practicing and endorsing gender equity is very necessary for a prosperous and sustainable world. The activity was aligned with Sustainable Development Goal 5 (Gender Equity) as well.
- To create awareness in students on importance of water sanitation, An Awareness Program and sketching/drawing competition on "Water Sanitation" was organized on 3rd August, 2024. The activity

was organized jointly by Departments of Chemistry and Environmental Science in collaboration with the NSS, IU unit and Association of Chemistry Teachers (ACT). The activity was aligned with SDG 6 as well.

- c. The Department in a proactive step towards promoting public health and safety, organized an outreach/extension activity titled "Awareness on Adulteration in Spices". This significant initiative was undertaken in collaboration with the National Service Scheme (NSS) and was held at Cambridge Convent School, Paikaramau Kursi Road, Lucknow, on the 8th of February 2025.

### Number of awards/medals won by students for outstanding performance in sports/cultural activities at inter-university/state/national/international events.

- a. The students from the Department of Chemistry, under the guidance of Dr. Mohammad Imran Ahmad and Dr. Shahla Tanveer, participated in the Annual Science Fest NIRANTAR 2024 at Isabella Thoburn College, Lucknow. A total of 22 students proudly represented Integral University, showcasing their intellectual progress across a multitude of events that tested their knowledge and creativity. The winners were as follows:
- Ms. Drishti Tiwari (B.Sc. Hons. Chemistry)-1st Position - Spell Bee
  - Mohd. Amir Ahmad (B.Sc. Industrial Chemistry)-2nd Position - Science on Canvas (Poster Making)
  - Ms. Taneem Ayaz ((B.Sc. Hons. Chemistry)-3rd Position-InQuizzitive
  - The glory extended beyond individual triumphs, and the university team also secured the 1st Runner-Up position.
  - Ms. Nashra Fatima, Research Scholar from the Department of Chemistry, secured third prize in E-Poster presentation during the "Awareness Program on Combating Plastic Pollution: A Growing Menace" on 5th June, 2025.

### Progression to Higher Studies:

From Ph.D. to Post-Doctoral Research

S. No.	Enrollment No.	Name of Scholar	Institution Joined	Post joined
1	2100166	Anushka Pandey	Texas Tech University, U.S.A.	Post Doctoral Research Associate

### From P.G. to Ph.D.

S. No.	Enrollment No.	Name of Scholar	Institution Joined	Course
1	1900103628	Mohd. Samiullah	Integral University, Lucknow	Ph.D.
2	1900104179	Talat Khan	Jamia Hamdard University	Ph.D.

### From U.G. to P.G.

S. No.	Enrollment No.	Name of Scholar	Institution Joined	Year of admission
1	2100101859	Mohd Arsh Khan	Integral University, Lucknow	2024
2	2100103756	Bushra Jamshed	Integral University, Lucknow	2024
3	2100102783	Yusra Parveen	Integral University, Lucknow	2024
4	2100101988	Rida Fatima	Integral University, Lucknow	2024
5	2100102359	Anchal Patel	Uttaranchal University	2024
6	2000100733	Aruba Zaheer	D.L.ed.	2024
7	2100102220	Ajeet Singh	Physics Waala Pvt. Ltd. (SSC Daksh)	2024
8	2100101633	Aniket Yadav	Physics Waala Pvt. Ltd. (SSC Daksh) UPSC PRAHAR2.0	2024
9	1900102958	Jartab Khan	B.Ed., Integral University	2024
10	2100101988	Pragya Yadav	Vision IAS (Ajay Vision Education Pvt. Ltd.)	2025

**Placement:**

Student Details				Placement	
S. No.	Enrollment No.	Name	Program	Company	Salary
1	2300104616	Sanjna Yadav	M.Sc. Chemistry	Territory Manager Trainee, Dr. Reddy's	33000 PM
2	2000100263	Meraj Fatima	M.Sc. Chemistry	Labtron Equipment, Labotemp Scientific, Lucknow	10000 PM
3	2000100483	Azeem Fatima	M.Sc. Chemistry	Labtron Equipment, Labotemp Scientific, Lucknow	10000 PM
4	2100008	Saud Nusrat Ali	Ph.D.	Project Manager, Afaq-Al-Ather Cont. Est. Saudi Arabia	100000 PM

**Apprenticeship**

S. No.	Enrollment No.	Name	Program	Company	Salary
5	2300103498	Harshit Mishra	M.Sc. Industrial Chemistry	Macleods Pharmaceutical Ltd.	9500 PM
6	2300102939	Nadimullah	M.Sc. Industrial Chemistry	Jubilant Food works	15500 PM
7	2300102024	Chaman Usmani	M.Sc. Chemistry	Jubilant Food works	15500 PM
8	2000101263	Meraj Fatma	M.Sc. Chemistry	Jubilant Food works	15500 PM
9	2300101511	Mohd Asim	M.Sc. Industrial Chemistry	Jubilant Food works	15500 PM
10	2000101864	Umme Salma	M.Sc. Chemistry	Jubilant Food works	15500 PM
11	2300103267	Sana Fatima	M.Sc. Chemistry	Jubilant Food works	15500 PM
12	2300101541	Abhishek	M.Sc. Chemistry	Jubilant Food works	15500 PM
13	2300103249	Diksha Pandey	M.Sc. Chemistry	Jubilant Food works	15500 PM
14	2200102970	Saiqua Mumtaz	B.Sc. Industrial Chemistry	Jubilant Food works	15500 PM
15	2200103142	Amir Ahmad	B.Sc. Industrial Chemistry	Jubilant Food works	15500 PM

**Extension and outreach program through NSS, Swach Bharat, Unnat Bharat Abhiyaan**

1. An Awareness Program and Slogan Writing Competition on "Gender Equity: Challenges and Opportunities" organized by the Department of Chemistry, Integral University in collaboration with the Association of Chemistry Teachers and NSS, IU nit on 3rd August, 2024.
2. An Awareness Program and Sketching/Drawing Competition on "Gender Equity: Challenges and Opportunities" organized by the Department of Chemistry, Integral University in collaboration with the Association of Chemistry Teachers and NSS, IU nit on 3rd August, 2024.
3. An outreach/extension activity titled "Awareness on Adulteration in Spices". This significant initiative was undertaken in collaboration with the National Service Scheme (NSS) and was held at Cambridge Convent School, Paikaramau Kursi Road, Lucknow, on the 8th February 2025.

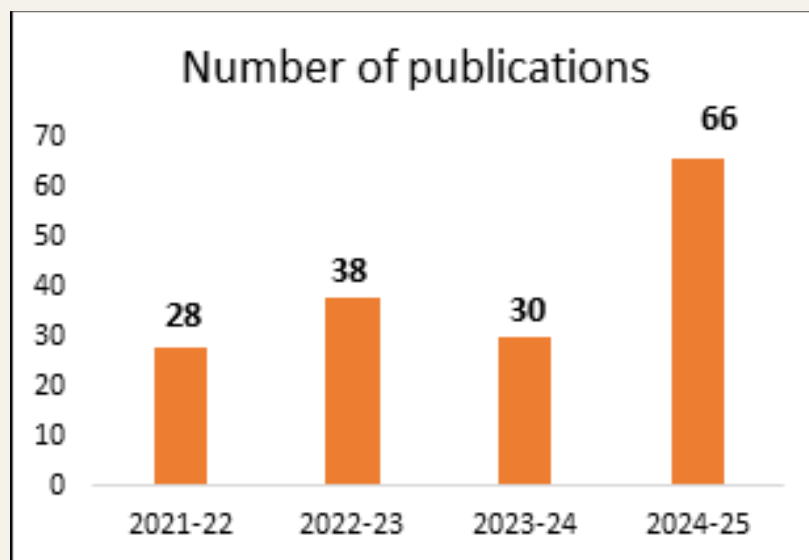
**Best Practices:****a. Participatory learning**

The Department of Chemistry, Integral University, has made continuous and sustainable efforts towards catering to the needs of the students, not only in terms of subject knowledge sharing, but the development of their intellect and sensibility towards realizing their roles and responsibilities as responsible global citizens. To engage the student and encourage their participation, the department has organized several events on the occasions of important days like "World Science Day", "National Science Day" and "World Environment Day". To nurture soft skills, particularly their communication skills, the department for the first time organized a 60-hour "Skill Development Program" in

collaboration with Infosys. To promote the industry-academia linkage, a symposium was organized on "Academia to Industry: Bridging the Gap for Chemists". To provide a hands-on experience and insights into the paint manufacturing industry, enhancing understanding of industrial processes and practices, an industrial visit was organized to Berger Paints. To maximize interactive learning, several eminent guest speakers were invited who interacted with the students and presented their thoughts on myriad topics like "Sustainability in Nature", "Role of youth in Viksit Bharat", "Intellectual Property Rights" and "Women in STEM Education" among many others.

**b. High-quality research**

The role of chemistry is central to finding and implementing innovative solutions that enable a more sustainable future. Considering this fact, the faculty members from the department and research scholars have been engaged in research work on diverse topics related to chemical sciences. They are also continuously exploring other dimensions and opportunities for collaborations with reputed institutions to maximize the impact of the research and take it to the global level. The faculty and research scholars from the department published 66 research publications last year, mostly in Q1 and Q2 journals with appreciable impact factors. They were also engaged in writing books and book chapters for prestigious publications, including Springer Nature, John Wiley and Sons, IEEE Press, and Elsevier B.V. The faculty also edited books on interesting and current topics, soliciting chapters from institutions of high repute.



A comparison in the number of publications over the years

# DEPARTMENT OF ENVIRONMENTAL SCIENCE

**Prof. Abdul Rahman Khan** : Dean

**Dr. Ambrina Sardar Khan** : HoD

The Department of Environmental Science serves as a central hub for providing educational support to multiple departments within the university, adhering to UGC guidelines for courses in environmental science and disaster management. It facilitates collaboration between academia and industry to develop solutions to climate change and environmental issues. Currently, the Department offers a PhD program along with undergraduate and postgraduate courses, including an M.Sc. and B.Sc. (Hons) in Environmental Science. Graduating with honors in Environmental Science can open a range of exciting career opportunities in fields such as conservation, sustainability, and environmental policy. The department has established a Centre for Disaster Preparedness and Management under aegis, of which a certificate and a PG Diploma in Disaster Management have been started. The Center of Disaster Management and Preparedness provides students with the knowledge and skills needed to effectively respond to and manage disasters with the goal of reducing the impact of these events on communities. The Department has a talented and dedicated permanent and visiting faculty. The primary research areas include basic and applied ecology; air, water, and soil pollution; climate change and biodiversity; environmental impact assessment; bio-remediation; ecological toxicology; waste management; remote Sensing/GIS, and other related fields.

## Highlights of the major activities and achievements

### (A) Vrikshabandhan, 16th August 2024

The Department organized an enlightening activity "Tree Bonding/Vriksh-Bandhan" on 16th August, 2024. This activity was celebrated the entire week by the students from 16th -22nd August 2024. The Vriksha Bandhan aims to raise awareness about environmental protection and to foster a deeper connection between people and nature. It is an innovative way to celebrate Raksha Bandhan, which marks the loving bond between brothers and sisters. In the same way Vriksh-Bandhan expresses our love of the natural world by tying rakhi to plants.

### (B) Catch the Rain, 27th July 2024

An Awareness Programme on July 27, 2024 titled "Catch the Rain" was organized at the main campus ground. Jal Shakti Abhiyan: Catch the Rain - 2024, with the theme "Nari Shakti se Jal Shakti," was implemented from March 9, 2024, to November 30, 2024, emphasizing the pivotal role played by women in the field of water conservation under the supervision of Dr. Ambrina Sardar Khan (HoD-EVS) and Dr. Anand Mishra (Faculty Coordinator). Five focused interventions, like in the previous years, include (i) water conservation and rainwater harvesting; (ii) enumerating, geo-tagging & making inventory of all water bodies; preparation of scientific plans for water conservation based on it; (iii) setting up of Jal Shakti Kendras in all districts; (iv) intensive afforestation and (v) awareness generation.

### (C) Ground Water Conservation under Ground Water Week (Bhoo Jal Saptah), 16th July 2024-22nd July 2024

The Department demonstrated its commitment to environmental sustainability by organizing a comprehensive programme on groundwater conservation during Bhoo-Jal Saptah under the supervision of Dr. Ambrina Sardar Khan (HoD-EVS) and Dr. Rushda Sharf (Faculty Coordinator). The event provided a platform for faculty members and students to engage in discussions on the critical need for water conservation, particularly focusing on groundwater resources. Approximately 50 students from different programmes had participated in the awareness campaign. The campaign's goals included improving soil moisture, raising the groundwater level, reducing water gushing onto roads, and preventing urban flooding.

### (D) International Tiger Day, 29th July 2024

The Department organized a Quiz Competition titled "International Tiger Day" on 29th July, 2024. In this quiz competition the total registered candidates were 174 & the total number of participants.

**(E) World Wildlife Week, 7th October 2024**

Every year, Wildlife Week is observed to honor Mahatma Gandhi's birth anniversary and uphold his values of compassion and ahimsa toward all living things. This celebration marked with great enthusiasm and commitment this year. The main objectives of the event were to raise awareness among the students about the value of animal conservation, sustainable practices, and stimulate community involvement in the preservation of natural areas. This year's celebration was particularly significant due to the signing of a Memorandum of Understanding (MoU) with a prominent Non-Governmental Organization (NGO) dedicated to wildlife protection, environmental sustainability and literacy, green building, zero waste on 5th October 2024.

The celebration of Wildlife Week, coupled with the signing of the MoU with Prithvi Innovation, Lucknow, marked a significant step forward in the ongoing efforts to conserve wildlife and environment.

**(F) Daan Utsav Cloth Donation Drive, 26th October 2024-9th November 2024**

Winter is harsh and not many people in this country have enough clothes to protect themselves from cold weather. The "Daan Utsav" is a celebration of giving, a pan-India initiative that promotes acts of kindness and encourages individuals to donate for the welfare of society. The Department organized a donation drive from 26th October to 30th October 2024. The event was also promoted through social media platforms and university noticeboards, with information on how and where to donate. Students actively spread the message of the event through word-of-mouth and online networks. On 09th November, all the donated clothes, toys, and stationery were distributed among the needy people in Paikramau village, Kursi road, Lucknow.

**(G) Awareness Program on Mission Shakti, 29th October 2024**

The Department has organized the Awareness Program on Women Empowerment and Gender Equality for the fifth phase of Mission Shakti Abhiyan on 29th October 2024, in online mode. Mission Shakti is a comprehensive and visionary initiative taken by the Department of Higher Education, Government of Uttar Pradesh that aims to empower women for safety, security, and self-reliance. By raising awareness, establishing a secure environment, and providing workshops and training programs, the mission strives to transform women's lives and create an inclusive and empowered society.

**(H) Electronic Waste Day**

On 3rd November 2024 the department hosted an Online Quiz Competition on the occasion of International Electronic Waste Day. International E-Waste Day is a global event that raises awareness of the electronic waste crisis and the need for responsible e-waste management. This year's theme was "Join the e-waste hunt - retrieve, recycle, and revive!" which focused on the forgotten electronics that people have in their homes, but which contain valuable materials that could gain a new life. This event aims to provide a powerful understanding among students to become environmentally aware of electronic waste and actively engage in sustainable practices

**(I) National Voters Day, 25th January 2025**

The Department organized a Voters Pledge on the occasion of National Voters Day on 25th January 2025. National Voters Day was observed with great enthusiasm marking the importance of voting as a fundamental right in a democracy. This day is celebrated annually to encourage citizens to participate in the electoral process and to raise awareness about the significance of voting. The theme for this year's observance was "Nothing like voting, I vote for Sure", a reminder of the crucial role each vote plays in shaping the future of the nation.

**(J) Seminar cum Awareness Program, on Plants & Pollution**

One-Day Seminar-cum-Awareness Programme on "Plants and Pollution" under the aegis of "Mission Life" of the Government of India, organized by the Department in collaboration with CSIR-NBRI-EIACP on January 30, 2025. The event was graced by the presence of Dr. Pankaj Kumar Srivastava Senior Principal Scientist Environmental Technologies Division CSIR - National Botanical Research Institute

(N.B.R.I.), Lucknow. The objective of the program was to create awareness among the students on the action required to mitigate and reduce pollution, and simultaneously highlight and apprise the participants on the various activities and action points under Mission Life.

**(K) Training cum Workshop, 22nd February 2025**

The Department in collaboration with Prithvi Innovation organized a Training cum Workshop on “Sustainable Practices for Community Development and Climate Change Mitigation” on February 22, 2025. The objective of this workshop is to provide participants with the information and useful skills they need to put sustainable ideas into practice that lessens their effect on the environment and fosters community stability. Sustainable community development approaches connect environmental, social, and economic strategies to develop healthier, prosperous, and climate-resilient communities. This training sought to offer participants practical knowledge, novel concepts, and functional competence in sustainability and climate action. The President of Prithvi Innovation Ms. Anuradha Gupta shared her valuable insights and experiences, offering a deeper understanding of the intricate connections within the environment and highlighting the vital role of human communities in adopting sustainable practices.

**(L) International Women's Day**

International Women's Day, observed on March 8, is a global celebration of women's achievements and contributions across all walks of life. To honor this occasion, the Department organized a special event to acknowledge and felicitate the university's female cleaning staff. This initiative aimed to recognize their hard work, dedication, and vital role in maintaining a clean and healthy academic environment. It was a heartfelt tribute to the efforts of the female cleaning workforce, ensuring they feel valued and appreciated. The primary objectives of the celebration were to recognize and appreciate the contributions of female cleaning staff and to celebrate the spirit of womanhood and empower women in the workplace.

**(M) World Sparrow Day**

World Sparrow Day, observed on March 20, is an international initiative to raise awareness about the declining population of sparrows and other common birds. To mark this occasion, the Department organized a Water Pot Placement Drive to provide birds with access to clean drinking water and promote biodiversity conservation.

The drive was meticulously planned and executed with the active participation of students, faculty members, and volunteers from Ecosync (Environmental Club). Posters and social media promotions were carried out to encourage participation and spread awareness about the importance of providing water to birds.

**(N) Inter-School College Competition**

The Inter-School College Competition on General Environmental Awareness Activity was held on April 9, 2025, with a focus on raising awareness about critical environmental issues. The competition encouraged students to showcase their creativity and environmental consciousness through handmade posters and models on four important themes: water conservation, forests and their products, resource recycling, and awareness of sparrows. This event aimed not only to educate students on pressing environmental concerns, but also to promote eco-friendly practices through art and creative expressions.

**(O) Awareness Program on Nasha Mukht Bharat**

As part of the Government of India's ambitious initiative Nasha Mukht Bharat Abhiyan (NMBA), aimed at eradicating substance abuse and fostering a drug-free India, the Department organized an online awareness program for students and their parents on April 19, 2025. This session was conducted in alignment with the guidelines of NCORD (National Narcotics Coordination) and focused on building awareness, education, and preventive strategies concerning drug abuse, particularly among youth. The keynote address was delivered by Mr. Chandra Shekhar Kumar Singh, Superintendent, Narcotics Control Bureau, Lucknow. He discussed the alarming statistics of drug abuse among youth,

psychological and social consequences of substance addiction, various preventive strategies initiated by NCB under NCORD, legal repercussions of involvement in drug trafficking and consumption and the importance of parental guidance, peer influence, and early intervention.

**(P) Plantation Drive on International Yoga Day**

While the yoga focuses on the inner well-being and spiritual growth of an individual, the plantation drive highlighted the symbiotic relationship between inner peace and outer environmental harmony. The theme of the event, "Green Environment, Serene Mind", sought to remind everyone that a cleaner, greener environment directly supports physical health, mental clarity, and overall well-being — values deeply aligned with the principles of yoga. The event aimed to raise awareness among the student community about the urgency of environmental conservation, encourage active participation in sustainable practices, and cultivate a sense of responsibility toward nature. Trees play an essential role in purifying the air, conserving biodiversity, and combating climate change, making the plantation drive both symbolic and practical.

**(Q) World Environment Day**

The event aimed to educate and sensitize the college community and residents about the severe environmental impact caused by plastic pollution, and promote sustainable, eco-friendly alternatives. The event featured a variety of interactive and educational activities designed to engage participants and spread awareness on plastic pollution. During the program, faculty members from the Department of Environmental Science, along with colleagues from other departments, shared their valuable insights and suggestions on strategies to beat plastic pollution. As part of the Community Awareness Program, several esteemed faculty members addressed the audience and shared their thoughtful insights on how to "Beat Plastic Pollution".

**Few academic events like Faculty Development Program, Refresher Course, Value Added Course, Workshops were also organized from the Department, enlisted with their details here:**

- (A) Faculty Development Program:** The Faculty Development Program (FDP) on "Sustainable Blueprint for Environmental Education and Research Opportunities" was organized by the Department. The program focused on integrating sustainability principles into curricula, fostering research opportunities, and promoting interdisciplinary collaboration. The program was registered by 42 participants, and provided a collaborative environment and laid the groundwork for integrating sustainability into educational practices and research initiatives.
- (B) Value Added Course:** Two Value Added Course were organized from the Department. The first VAC was in online mode on "Disruptive Green Technologies and Circular Economy" was organized from July 25th, 2024 to August 08, 2024. A total of 147 participants were registered and more than 135 participants got the certificates based on assessment, attendance and feedback. Another fifteen days Value-Added Course (VAC) on "Environmental Management system and Auditing" was organized from April 03, 2025 to April 17, 2025. A total of 147 participants were registered and more than 140 participants got the certificates based on assessment, attendance and feedback.
- (C) Refresher Course:** The Refresher Course on "Climate Change Education: Integrating Mission Life into the Curriculum with People in Practice & Action" was organized by the Department of Environmental Science under the aegis of Human Resource Development Centre, Integral University, Lucknow in offline mode from 28th September 2024 to 1st March 2025. This refresher course seeks to equip educators with the means to incorporate climate change education into their curricula, focusing on scientific research, innovation, environmental preservation, public engagement, and governance. The program is aligned with the seven themes of Mission life and 17 Sustainable Development Goals (SDGs).
- (D) Workshop on Awareness Program on Wildlife:** The Department hosted the Wildlife Week from 2nd October to 8th October 2024. This celebration marked with great enthusiasm and commitment this year. The main objectives of the event were to raise awareness among the students about the value of animal conservation, sustainable practices, and stimulate community involvement in the preservation of

natural areas. This year's celebration was particularly significant due to the signing of a Memorandum of Understanding (MoU) with a prominent Non-Governmental Organization (NGO) dedicated to wildlife protection, environmental sustainability and literacy, green building, zero waste on 5th October 2024.

**(E) Workshop cum Training on Sustainable Practice for community Development and Climate change mitigation:**

The Department organized a Training cum Workshop on Sustainable Practices for Community Development and Climate Change Mitigation on 2nd February 2025. The objectives of the workshop was to provide participants with the information and useful skills they need to put sustainable ideas into practice that lessons their effect on the environment and fosters community sustainability.

**(F) Workshop on Climate Change Solutions:** The Department organized a one-day workshop titled "Sustainable Future: Mitigating Climate Change through Innovation" on 11th April 2025. One of the most moving moments of the event was the Icebreaker Nukkad Natak by Team Udghosh, which captivated the audience and powerfully communicated the realities of environmental issues through cultural expression.

**Programmes taken up involving Inter- Institutional Collaboration.**

S.No.	Name of Programme	Date	Name of Collaborating Institute
1.	One-Day Seminar-cum-Awareness Programme on "Plants and Pollution" under the aegis of "Mission Life" of the Government of India	30 <sup>th</sup> January 2025	CSIR, NBRI-EIACP
2	"One Week Workshop and Awareness Programme for Wildlife" jointly organized by Department of Environmental Science, Integral University, Lucknow & Prithvi Innovations, Lucknow. An MoU signed with Prithvi Innovations, Lucknow on 05 <sup>th</sup> October, 2024	05 <sup>th</sup> January 2025	Prithvi Innovations, Lucknow

**A brief on University- Industry Linkages.**

- **TERI-EICAP:** The collaboration with The Energy and Resources Institute (TERI) under its Environment and Industrial Compliance Assessment Programme (EICAP) allows Integral University to engage in cutting-edge research on sustainable development, energy efficiency, and environmental conservation. This partnership enables students and faculty to work on real-world projects, leading to innovative solutions that can significantly impact society.
- **UP Jal Nigam:** Through this linkage, Integral University can contribute to the water management and sanitation projects in Uttar Pradesh. This collaboration can provide students with practical experience in addressing water-related challenges and help them develop skills that are directly applicable to the industry.
- **SDRF Lucknow:** The State Disaster Response Force (SDRF) partnership allows the Integral University to work on disaster management and preparedness projects. This collaboration can lead to the development of new strategies and technologies for disaster risk reduction, providing students with valuable experience in a critical area of public safety.
- **Prithvi Innovations:** The MoU will facilitate the advancement of knowledge over water scarcity, environmental degradation, the efficient management of natural resources. It will also help into development of new courses, capacity building through training, workshops, conferences and awareness campaigns and solving challenges of climate change and natural resource crisis

**A brief on Specific Collaborative Arrangements. (Same as above)**

**A Brief on Community welfare/ Charitable activities undertaken during the year.**

The "Daan Utsav" is a celebration of giving, a pan-India initiative that promotes acts of kindness and encourages

individuals to donate for the welfare of society. The Department organized a donation drive from 26th October to 30th October 2024. The event was aimed at fostering a spirit of community service and environmental awareness among students, faculty, and staff.. A donation box was set up in front of the DSW office, EVS department of the university campus where interested people could come and donate clothes. The event was divided into two shifts. The first shift was from 11:00 am to 2:00 pm and the second shift was from 2:00 pm till 5:00 pm. Groups were made, each group consisting of 3-4 volunteers, and duties were assigned to 2 groups each day. Also, a proper sheet was maintained wherein each and every donation entry was recorded and all the donated clothes were kept in different boxes.

### Patents

S.No.	Title	Name of the Authors	Granted/Published	D/M/Y
1.	IoT Based Sustainable Digital Outdoor Air Purifier with Air Quality Monitor	Dr. Ambrina Sardar Khan Dr. Mariya Hasnat Dr. Swati Maurya Dr. Anand Mishra	Published	10/02/2025
2.	Solar Biogas Hybrid Power Plant System Class: 13 Equipment for Production, Distribution or Transformation of Electricity	Dr. Punitha Kumaresa Pillai Dr. Ambrina Sardar Khan Dr. Syed Saema Dr. Shweta Yadav Dr. Muthuraman Subbiah Dr. Rushda Sharf Dr. Jyoti Mayekar Dr. Mohd Kashif Khan Dr. Kannan Vellingiri	Published	05/03/2025
3.	Leveraging Supercomputing and AI to Transfer Heat Mass Processes For Environmental Improvements	Dr. Kasiviswanathan M S Dr. Rahila Rahman Khan Dr. Ankit D. Oza Jesia Persis Preethi Haston Amit Kumar V. Bindu Dr. Neeraj Kumar Dr. C. Kannan	Published	27/09/2024
4.	Real Time Aquaponic Monitoring Device	Dr. Sandeep Kumar Gautam, Dr. Satender Kumar, Dr. Anil Kumar, Dr. Amina Jafri	Published	16/12/2024

#### (a) Bibliometrics of the publications based on Scopus/web of science & h-index.

#### Number of Invited Lectures/Plenary Lectures organized by the Department.

S.No.	Topic of Invited Lectures/Plenary Lecture	Speaker Name and Designation	Faculty Coordinator	Date
1.	Conservation of Macro Aquatic Fauna of Riverine Ecosystem	Mr. Mohd. Danish Kaleem (Project Associate, Wildlife Institute of India (National Mission for Clean Ganga)	Dr. Mohammad. Usama	27 <sup>th</sup> February 2025
2.	Advances in bioremediation and biomonitoring of polluted sites	Prof. Brijesh Yadav, Head Department of Hydrology, IIT Roorkee	Dr. Amina Jafri	8 <sup>th</sup> November 2024
3.	Importance of IPR in environmental conservation and protection	Prof. Geethika, Adjunct Professor, Asian Institute of Technology, Thailand	Dr. Rushda Sharf	23 <sup>rd</sup> October 2024
4.	Bioinspired engineering: Learning from science	Dr. Pradeep Kumar Shukla, Senior Principal Scientist (Ex), CDRI, Lucknow	Dr. Amina Jafri	1 <sup>st</sup> August 2024

5.	Mission life awareness program on waste management for a sustainable lifestyle	Ms. Anuradha Gupta, Founder and General Secretary, Pritthvi Innovations, Lucknow	Dr. Amina Jafri	18 <sup>th</sup> July 2024
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### The Details of seed money provided to teachers for research.

S.No.	Name of Faculty	Granting Agency/Seed Money	Project Title	Session	Status & Amount
1.	Dr. Mariya Hasnat	Seed Money	Profiling of Socio-economic Status and Skill Development of Females for Sustainable Livelihood in Kaurihar block, Prayagraj, UP, India	2023-2024	Ongoing 1,50000/-
2	Dr. Anand Mishra	Seed Money	Studies on Zooplankton Diversity in Fresh Water Ponds near at Integral University, Lucknow, Uttar Pradesh, India	2023-2024	Ongoing 1,50000/-

### Financial Support

#### Research Scholar Dr. Syed Seema

Twelve number of Research Scholars were enrolled during the year

### Ph.D. Awarded in 2024-2025

S.No.	Name of Research Scholar	Topic of the Thesis	Supervisor Name	Date of Ph.D. Award
1	Mr. Anil Kumar Jha	Effect of Rhododendron arboretum on immune response of fishes under varying environmental condition in Nepal	Prof. M.A. Khalid	13 <sup>th</sup> June 2025
2	Mr. Gurpreet Singh	Avifaunal diversity of selected wetlands in Haryana, based on physico-chemical parameters and vegetation composition	Prof. M.A. Khalid	9 <sup>th</sup> October 2024

Extramural funding for Research (Grants sponsored by non-government sources such as industry, corporate houses, international bodies) during the year and grants for research projects sponsored by the government agencies.

### Award received by the department

S.No.	Name of Faculty	Award Details	Date	Level
1	Dr. Azram Tahoor	Swami Vivekanand Excellence Award 2025 (Environmental Education) in National Seminar on Dreams of Swami Vivekanand: Viksit Bharat @20247	12 <sup>th</sup> January 2025	National
2	Dr. Azram Tahoor	Green Environment Promotion Award on Sixth World Clean Summit 2025	14 <sup>th</sup> April 2025	International

3.	Dr. Azram Tahoor	Young Scientist Award 2024/ Guru Ghasidas Vishwavidyalaya, Chhattisgarh (ICEE 2024 Conference)	18 <sup>th</sup> September 2024	National
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### Students Progressions & Placement

S.No.	Name of Student	BSc/MSc passout	Placement	Progression
1.	Ms Arshi Fatima	MSc	Subject Expert, Chegg India Pvt. Ltd.	Placed
2.	Ms Mamta Shukla	MSc	Office Assistant, RSAC, Lucknow	Placed
3.	Mr Kunwar Meekesh Rajput	MSc	Environmental Consultant, United Youngs India, Lucknow	Placed
4	Ms. Kajal Mishra	MSc	Sawen Consultancy Pvt Ltd, Lucknow	Placed
5	Mr Kabir Singh	MSc	UP State Disaster Management Authority	Placed
6.	Mr Munsif Kamal	BSc	---	MCA, IUL
7.	Ms Abhishree	BSc	---	MSc, Indira Gandhi National Open University
8.	Mr Ankit Kumar Singh	BSc	---	Forest Research Institute, Dehradun
9.	Ms Anshika	BSc	---	Cosmetology Course, Lakme India, Gorakhpur
11.	Mr Ali Ajmal	MSc	---	PhD (Environmental Science, IUL)
12.	Mr Pankaj Verma	MSc	---	PhD (Environmental Science, IUL)
13.	Ms Sania Rizwi	MSc	---	PhD (Environmental Science, IUL)
14.	Ms Ghousiya	MSc	---	PhD (Environmental Science, IUL)

### A brief on start-ups incubated at CIED.

#### Extension and outreach program through NSS, Swatch Bharat, Unnat Bharat Abhiyan.

On Sunday, 4th August, 2024, A program was organized by TERI (The Energy and Resources Institute) in coordination with NABARD (National Bank for Agriculture & Rural Development) & resources from Department of Environmental Science, Integral University, Lucknow at "Pritipur Village" Bakshi Ka Talaab, Lucknow, Uttar Pradesh as a part of the project "Boosting Farmer's Income and reducing Carbon Footprint through Solar Intervention in Agricultural Practices in Village Gohankalan, Tehsil Bakshi Ka Talaab, District Lucknow, Uttar Pradesh". The awareness program was on the topic "Kisano Ke Aarthik Uthaan Ke Liye Mahtwapoorna Aushodiye Evam Sugandhit Paudhe (MAPs) Ki Kheti Aur Krishi Mein Saur Urja Prodhayoki (Solar Energy Technology) Ke Upyog Ko Barawa Dene Ke Liye Jakrookta Abhiyaan (awareness Programme)". Mr. Lokendra Singh from TERI (Researcher & Consultant) discussed the significance of medicinal plants and its relevance in providing sustainable livelihood solutions to rural communities. The program was coordinated by Dr. Mohammad Usama and Dr. Mohd. Kashif Khan.



# DEPARTMENT OF MATHEMATICS & STATISTICS

**Prof. Abdul Rahman Khan** : Dean

**Prof. Mobin Ahmad** : HoD

Established in 2004, the Department of Mathematics & Statistics has been committed to excellence in teaching and research. Its vision is to develop competent professionals and contribute to national development through academic and research pursuits.

The department has a team of dedicated faculty actively engaged in research areas including Differential Geometry, Numerical Analysis, Algebra, Special Functions, Hydrodynamics, Functional Analysis, Statistics, and Operations Research. It offers a wide range of programs:

**Undergraduate:** B.Sc. (Hons.) in Mathematics, Statistics, and Mathematics with Computer Science/Physics/Chemistry; Statistics with Mathematics/Computer Science

**Postgraduate:** M.Sc. in Mathematics, Statistics, and Data Science

**Doctoral:** Ph.D. in Mathematics and Statistics

Over 330 research papers have been published in reputed journals, and 52 Ph.D. degrees have been awarded. The department also supports teaching of Mathematics and Statistics across various other UG and PG programs including B.Tech., B.Pharm., B.C.A., B.B.A., M.Tech., M.C.A., M.B.A., and M.Sc. programs.

## Highlights of the major activities and achievements

- The Department organized a guest lecture on August 22, 2024. Dr. Ziaul Haque, Director, Social Statistics Division, Ministry of Statistics and Program Implementation, New Delhi delivered a lecture on the topic "Official Statistics".
- Hosted a guest lecture titled "Research Opportunities for Young Researchers and Faculty" on 10th October 2024 at Central Auditorium Hall-3.

Dr. Ashok Kumar Singh, Senior Scientist-F/Director, National Geospatial Program Division, DST, Government of India, presented on research opportunities and R&D proposal strategies for funding agencies.

The session provided faculty and research scholars across disciplines with valuable insights drawn from Dr. Singh's extensive expertise.

- Organized a guest lecture on 23rd January 2025. Prof. Mirza A.K. Baig, Department of Statistics, University of Kashmir, delivered a lecture on the topic "Application of Statistics in Day to Day Life"
- Organized a guest lecture on April 21, 2025. Dr. Aareena Nazneen, Department of Languages, Integral University, Lucknow delivered a lecture on the topic "Communication Skills and Personality Development".
- Celebrated National Mathematics Day 2024 on December 24 to mark the 137th birth anniversary of Srinivasa Ramanujan. The event featured an expert lecture themed "Mathematics: The Bridge to Innovation and Progress", beginning with a welcome address by Prof. Mobin Ahmad, Head of the Department, who highlighted the significance of mathematics and encouraged students to achieve global excellence. The keynote lecture was delivered by Prof. Kalyan Chakraborty, Head of the Department of Mathematics, SRM University, Andhra Pradesh, who spoke on Ramanujan's remarkable contributions and their enduring influence. He emphasized how mathematical principles drive innovation in science and technology, promote critical thinking, and serve as powerful tools for societal advancement
- Successfully organized a National Seminar on the International Day of Mathematics 2025, themed "Mathematics, Arts, and Creativity." The event highlighted the connection between mathematical thinking and artistic expression, emphasizing creativity in problem-solving. Prof. Mobin Ahmad opened the seminar with a welcome address, underscoring the significance of IDM, as recognized by UNESCO. The seminar featured two expert talks: Prof. Pradyumn Kumar Sahoo (BITS-Pilani, Hyderabad)

discussed Wormhole Geometry as a mathematical solution to complex scientific concepts, while Prof. Syed Abbas (IIT Mandi) presented an engaging lecture on mathematical modeling through sheep distribution problems in logistics and resource allocation.

- Successfully organized the International Conference on Advances in Geometry, Algebra, Analysis, and Artificial Intelligence (ICAGAAAI-2024) from November 7-9, 2024, sponsored by ANRF and CSIR. This prestigious event brought together global experts to exchange ideas on the intersection of mathematics and AI. The conference was inaugurated by esteemed dignitaries, including the Hon'ble Pro-Chancellor Dr. Syed Nadeem Akhtar and Vice Chancellor Prof. Javed Musarrat, with keynote insights from renowned mathematician Prof. Zafar Ahsan. Prof. Mobin Ahmad, the Convener, extended heartfelt thanks to all contributors.

### **Keynote Sessions:**

In the conference, four keynote addresses have been delivered by renowned experts. The details are given as Prof. Zafar Ahsan (Aligarh Muslim University) presented a talk on "General Relativity - A Fascinating Application of Riemannian Geometry,". Prof. Aymen Badawi (American University of Sharjah, UAE) has delivered his talk on the complete integral closure of a commutative  $\mathbb{Z}$ -ring. In this talk, he discussed the complete integral closure of  $\mathbb{Z}$ -ring.

Prof. Mohammad Ashraf (Aligarh Muslim University) delivered a talk on "Nonlinear Generalized Lie-type Derivations on Algebras.". Prof. Inan Unal (University of Munzur, Turkey) delivered a talk on "Differential Geometry and Artificial Intelligence," explaining the intersection of differential geometry with AI.

The conference featured over 60 research paper presentations covering innovative topics in geometry, algebra, analysis, and their integration with AI. Papers ranged from advanced mathematical theories to practical AI applications like machine learning, neural networks, and data analytics. Presenters engaged with a global audience, gaining feedback and fostering research collaborations.

### **A Brief on Community welfare/ Charitable activities undertaken during the year.**

Integral University, Lucknow, upholds its commitment to social responsibility and sustainability. Reflecting this, the Faculty and Student Society of the Department of Mathematics & Statistics organized a "Cleanliness Awareness Drive" on April 5, 2025, at Prathmik Vidyalaya Dasauli, promoting hygiene, sanitation, and environmental cleanliness among students, parents, and the local community.

Integral University, Lucknow, is dedicated to fostering an educated and progressive society. Supporting this vision, the Student Society of the Department of Mathematics & Statistics organized an "Educational Awareness Drive" on April 8, 2025, at Paikaramau Village, Lucknow, to promote the importance of education among students, parents, and the local community.

The drive received a positive response from the local community, with many parents showing renewed interest in their children's education. Discussions helped clear doubts and shared valuable information about educational opportunities and support systems.

The event was smoothly led by Prof. Mobin Ahmad, Head of Mathematics & Statistics, and coordinated by Dr. Shadab Ahmad Khan and Dr. Uqba Rafat, with active involvement from other faculty and students. This outreach was a significant step toward fostering an informed, inclusive, and educated society, inspiring the community to prioritize education as a shared responsibility.

### **Curricula Developed**

Has relevance to the local, regional, national and global developmental needs, and the courses having focus on employability/ entrepreneurship/skill development.

### **A brief on students progression and placements.**

In the 2024 batch, out of 16 postgraduate (PG) students, 4 have secured jobs while another 4 have enrolled in further academic programs. Among 33 undergraduate (UG) students, 5 are employed, 2 are involved in family businesses, and 9 have pursued higher studies. Additionally, 13 UG and PG students are actively preparing for various competitive examinations.

## DEPARTMENT OF PHYSICS

**Prof. Abdul Rahman Khan** : Dean

**Prof. Shamoan Ahmad Siddiqui** : HoD

The Physics Department offers comprehensive education across undergraduate (UG), postgraduate (PG), and doctoral (Ph.D.) levels. Established with high standards in 1998, it stands as one of the pioneering departments within the university. With a commitment to excellence, the department boasts state-of-the-art infrastructure including well-equipped laboratories, smart classrooms, and ICT-based teaching tools.

The faculty comprises experienced and highly qualified educators, dedicated to nurturing students' academic and research pursuits. Through a blend of traditional teaching methods and modern technological resources, we strive to provide students with a stimulating learning environment.

The Department fosters academic excellence, research innovation, and professional growth, equipping students with the skills and knowledge necessary to excel in their chosen fields.

### Highlights of the major activities and achievements

- (I) The department organized a One-day National Seminar on Physics of Novel Magnetic and Superconducting Materials on 8th April, 2025.



Resource Person of One Day National Seminar,  
Prof Zakir Hossain, Department of Physics, IIT Kanpur



Resource Person of One Day National Seminar,  
Prof Shahid Hussain, Department of Physics, AMU, Aligarh

- (II) Organized a five-day Faculty Development Program (FDP) on "Current Trends in Theoretical and Experimental Research in Physics" between 29th March -5th May, 2025 in hybrid mode.

### Invited Lectures/Plenary Lectures organized by the Department: 02

- (i) Dr. Dharmendra Pratap Singh, Associate Professor, University of the Littoral Opale Coast (Université du Littoral Côte d'Opale (ULCO)), France, delivered an expert lecture on the topic - 'Liquid Crystal Based Optical Sensor for Selective Detection' on 23rd January 2025.
- (ii) Dr. Ajeet Kumar Maurya, Assistant Professor, Assistant Professor in School of Physical and Decision Sciences, Babasaheb Bhimrao Ambedkar University and also an expert in solar physics and satellite-based space weather delivered an expert lecture on the topic - 'Space Weather and Role of ISRO's Latest Mission Aditya-L1' on 4th February, 2025.



Prof. Shamoan Ahmad Siddiqui, Felicitating  
Dr. Ajeet Kumar Maurya

### International Visitors:

- (i) Dr. Dharmendra Pratap Singh, Associate Professor, University of the Littoral Opale Coast (Université du Littoral Côte d'Opale (ULCO)), France, visited Department of Physics and delivered an expert lecture on the topic - 'Liquid Crystal Based Optical Sensor for Selective Detection', on 23rd January 2025.

### Curricula Developed and implemented

To hone the various skills of the students so that they can understand the developmental needs at various level and mark their contribution as an employee or as an entrepreneur, the department offers various skill-based courses such as, Electrician, Refrigeration and Air conditioning, Physics of Nanomaterials, Renewable Energy Resources to name a few. Apart from these, department also offers various Value-Added Courses (VAC) such as Maintenance of Minor Equipment, Physics of Home Appliances, History of Physics, Fundamentals of Astrophysics, Fibre Optic Communication etc. to provide an edge to the students.

### ICT enabled tools including online resources.

Apart from providing the regular teaching material in form of PDF files and Power Point Presentations on the MOODLE based platform - Integral Learning Initiative - Learning Management System (ILI - LMS), the Faculty Members also use ICT enabled tools such as Online Lectures, Video Lectures, Science based films and documentaries to make the subject interesting and easier for the students so that they can grasp and apply the concepts in more effective manner.

### The Details of seed money provided to teachers for research:

S. No.	Session	Name of Principal Investigator	Type of Grant	Amount	Project Title
1.	2024-25	Dr. Mohd. Shahalam	Seed Money	1,50,000/-	Investigations of Dark Energy and Gravitational Waves through Cosmological Data

### Extension activities in the neighborhood community

As per instructions from University Grants Commission (UGC), Govt. of India, Higher Education Institutions have to actively take part in "Ek Ped Maa Ke Naam /Plant 4 Mother" campaign launched by the Hon'ble Prime Minister on World Environment Day, June 5, 2024, which aims to increase forest and tree cover to enhance ecosystem services and promote sustainable forest management. In view of this, the Department of Physics in collaboration with O/o Dean Students Welfare and NSS Unit, organized a plantation drive on 9th October, 2024 at 11:00 AM at "Upper Primary School, Behta, Lucknow, UP". During the event, faculty, staff members and students of Integral university along with Upper Primary School, Behtastaff enthusiastically planted a diverse range of plants.

### A brief on students' progression and placements.

The Department of Physics is proud to share the recent academic and professional accomplishments of its students, reflecting their dedication and the department's commitment to quality education and mentorship.

- Mohd. Arshad, a student of M.Sc. Physics, has successfully cleared the CSIR-NET examination, a prestigious national-level test that qualifies candidates for lectureship and research fellowships across India.
- Muskan Khan, another bright student from M.Sc. Physics, has been admitted to the Ph.D. programme in Physics, marking a significant step forward in her academic career and research journey.
- Rida Fatima, a student of B.Sc. (Physics), has progressed to M.Sc. Physics, continuing her higher education in the same discipline and strengthening her foundation for future academic and research pursuits.

## CENTER FOR DISTANCE & ONLINE EDUCATION

The objective of establishment of Center for Distance & Online Education at Integral University is to provide high quality programme of higher education which inter alia includes.

Under this programme Self Learning Material is developed with an approach that is self-explanatory, self-directed, self-motivating and self-evaluating. The major challenge for Distance Learning system is the near absence of the teacher, making it essential to carefully pre-plan each activity. Learning material plays a vital role in this system and includes both print and electronic formats. A key challenge in developing learning materials is ensuring that they are written in an engaging way that actively involves learners. Another challenge is the rapid pace of technological change, and adapting traditional teaching methods to these technologies. Therefore, it is must to emphasize over proper planning prior to the development of the learning materials.

**The courses offered by University in session 2024-25 are as follows:-**

S.N.	COURSES	MODE
1	BCA	Online
2	B.A.	Online
3	B.COM	Online
4	BBA	ODL
5	MCA	Online
6	MBA	Online / ODL
7	M.COM	Online
8	M.Sc. (Mathematics)	Online
9	MSW	Online
10	M.A. (English, Sociology, History, Pol. Science, Economics)	Online

**An abridged account of achievements of Integral University through this form of education is as follows:-**

S.N.	SESSION	EXAM HELD	NO. OF STUDENTS ENROLLED	NO. OF STUDENTS PASSED	PERCENTAGE
1	June-2024 to January-2025	January-2025	3220	2829	87.85
2	January-2025 to June-2025	June-2025	3775	3424	90.70%

# CENTRE FOR CAREER GUIDANCE & DEVELOPMENT

**Er. Zeeshan Raza Khan** : Director CCG&D

## **An Introduction & Role**

The Centre for Career Guidance and Development (CCG&D) of Integral University is a central facility of the University, managed by highly qualified and experienced professionals from industry. It is vigorously assisting the students in developing their personality, enhancing communication skills and general awareness through workshops, seminars, Industrial Training and Career Counseling. This eventually benefits them in their final career progression. High emphasis is laid on building Industry linkages and creating placement opportunities. The working of the center is automated and the records of the students' academic status, training, seminars, projects and placements etc. are digitally available.

CCG&D acts as a bridge between the corporate world and the University by providing a range of services to enhance students' job search and career management skills. It also provides regular career counseling to students.

Industry- Academia linkage is the focus area for the Center and CCG&D continuously liaisons and networks with organizations and recruiters both Indian and Overseas, to generate vast number of Job and Internship opportunities for the students resulting in constantly impressive placement & overall career progression numbers.

## **CCG&D - Functions**

### **Development - Through Skill & Attitude Enhancement**

- Career Development Course (CDC) classes on soft skills/ personality development & aptitude training to pre final and final year students
- Mock GD/ Interviews practice tests
- English communication skills enhancement training

### **Career guidance**

- Industry interaction through lectures, seminars and workshops
- Internships/ apprentice training
- Industrial/ project training
- Guidance for higher studies/ international studies
- Guidance on competitive exams like CAT / GATE/ SSB/ TOEFL/ IELTS.
- Guidance on entrepreneurship

### **Placements**

- On campus
- Off campus (online, national & overseas)
- Information & preparation support for public sector opportunities

## **Key Highlights & Achievements**

### **A. Placements**

901 job offers were generated in the placement year 2024- 2025.

### **Highest Package:**

- INR 11.00 lacs per annum (Adecco India Private Limited - Domestic)
- INR 10.90 lacs per annum (IKK Group, UAE - International)

Total number of Organizations: 245

Total number of offers: 901

Technical stream offers (including Shahjahanpur Campus): 284

Management stream offers: 308

Other stream offers (B.Com, BA, B.Sc, B. Pharma, B. Arch, Law, Agriculture, Nursing) etc.: 309

Prominent brands who recruited our students in 2024-25

S.No.	Name of the Recruiters	Package Rs. (LPA)	No. of Final Offers
1	Nestle India Ltd.	7.62	4
2	Adecco India Private Limited	11.00	1
3	Tata Consultancy Services Ltd. (TCS)	Up to 7.00	22
4	Jaro Education	Upto 10.50	2
5	IKK Group, UAE	10.90	6
6	Accenture India Ltd.	3.25 - 4.50	14
7	Berger Paints Industries Ltd	6.50	1
8	Capgemini	4.00	1
9	TO THE NEW Product Eng Services	4.50 - 6.00	3
10	HCL Technologies Ltd.	2.40 - 4.00	35
11	Tech Mahindra	3.25 - 4.00	2
12	Dr. Reddy's Laboratories	3.00 - 4.00	9
13	Fintrek Marketing, Dubai	7.00 - 8.40	6
14	HDFC Bank	4.25	1
15	Wipro Ltd	3.50	2
16	Cognizant Ltd.	4.0 - 4.50	4
17	Policy Bazaar	3.50 - 5.50	1
18	Cummins India	2.40	3
19	SLMG Beverages Pvt. Ltd. (Coca Cola)	2.40 - 3.00	6
20	Corizo, Bangalore	Up to 6.50	12

#### International Recruiters 2024-25

1	IKK Group, UAE	10.90 LPA
2	Adepts Inc. Qatar	Up to 10.00 LPA
3	Fintrek Marketing, Dubai	7.00 - 8.40 LPA

#### Training activities for employability enhancement of students as per the following details

Several initiatives were taken along with regular training programs and interventions which included industry interactions, competitive examinations preparation sessions, expert talks from various domains including healthcare etc.

S.No.	Training and E mployability Enhancement Activities
1	Awareness/Training Session by BOATS (Ministry of Education, Govt. of India) under Chief Minister Apprenticeship Promotion Scheme (CMAPS-HE), Government of Uttar Pradesh - on 25th July, 2024
2	Summer School organized by CCG&D from 27th June - 13th July, 2024
3	English Communication Evening Program (20th Aug - 30th Sep 24)
4	Interactive Session on <i>Educational Counseling &amp; Career Development</i> by Dr. Ariz Ahmad (IAS) Joint Secretary Government of India. Date?
5	Industrial Visit to Coca Cola SLMG for MBA - 2025 Batch Students on 25th September 2024
6	Industrial Visit to Coca Cola SLMG for B.Tech (EE / ME) - 2025 Batch Students on 26th September 2024
7	Seminar on <i>Importance of Soft Skills for students</i> by Col Sanjay Tripathi (National Defence Academy) for MCA - 2025 Batch (Final year students) on 01st October 2024 .
8	Session on <i>Profile Building</i> on by IMS, Lucknow for B. Tech (CSE) - 2025 Batch on (Final year students) on 07th October 2024 .
9	Industrial Visit to Gyan Dairy, Kursi Road, Lucknow Date 07th October 2024
10	Code-Vita Season XII Interaction & Pre Placement Talk BY TATA CONSULTANCY SERVICES LIMITED (TCS) for B. Tech (All Streams) /M. Tech (All Streams) / BCA / MCA / B.Sc. (CSE) / Diploma (CSE) 2025, 2026 & 2027, 2028 batch on 08th October 2024 .
11	Seminar on Communication & Soft Skills by Mr. Asif Ahmad (Communication Expert) for D.Pharm, B.Pharm, M.Pharm, Pharm.D - 2025 / 2026 Batch on 08th October 2024.
12	Interaction by Nestle select alumni with Nestle shortlisted students by CCG&D Team on 10th October 2024 .
13	Seminar on <i>"Tips and Tricks to Crack Aptitude Test"</i> by Class-plus Group for B. Tech. / BA / BCA / B. Com / MA / M. Com. - 2025 / 2026 Batch on 21st October 2024.
14	Seminar by Mr. Arun Sharma (Renowned Speaker) TOPIC <i>"How to prepare for UPSC/CAT/UGC/SPSC Exams"</i> for B. Tech. / BCA / BBA / B. Com / MCA- 2025 /2026 on 23rd October 2024 .
15	Seminar on <i>Job Opportunities in Germany</i> by Spaark Overseas on 24th October 2024 for Nursing students.
16	Online Aptitude Assessment Test - Series 1 B. Tech (CSE / CCAI / DSAI / CTIS / ECE / CCE / EE / ME / CE / CE (L&T) / BT / BME / FT) For Pre Final / Final Year Students from 23rd to 26th October 2024 on ILI portal.
17	Orientation to Exploring Synergies Between Expertrons & Integral University for BCA / B. Tech all batches by CCG&D on 11th November 2024.
18	Seminar on <i>"Navigating Career Paths in the Modern Landscape"</i> by Expertrons - Mr. Anil Tripathi (Senior Vice President of Business) for B.Tech / BCA / B.Com / B.Sc. / Pharmacy all batches on 11th November 2024.
19	Online Session on <i>"Effective and Impactful Communication -Confidence in Spoken &amp; Written Words"</i> By Ms. Renata Sguario - Founder & CEO - Maxme.com, Australia for B.Sc. (BT) / B.Tech (BT / FT) / M.Sc. (BT) / M.Tech (BT / FT) on 12th November 2024.

20	Personality Development Workshop: Right Side Story -LMP event -on 11th November 2024
21	Lucknow Freshers' Day 2024 with the theme " <i>Early Goal Setting: Dream Big</i> ", conducted by retired Senior bureaucrats ( <i>Guidance for various Government Jobs</i> ) Date 17th November 2024
22	Seminar on <i>Project &amp; Portfolio Management</i> by Mr. Nasir I- Founder - Project & Portfolio Consultant Zealvert.com for BCA / MCA-All years on 21st Jan 2025.
23	Seminar on <i>Future - Proofing Through Innovation</i> by Mr. Anil Tripathi (Senior Vice President of Business) Expertrons for BA / B.Sc. / B.Tech / B.Com / Pharmacy / BPT ,2026 / 2027 / 2028 Batch on 30th Jan 2025 .
24	Seminar on " <i>Job opportunities in Japan</i> " by BVG India Limited, Delhi for B. Sc. (Nursing) / GNM - 2025 / 2026 Batch on 25th Feb 2025
25	Seminar on <i>IELTS</i> by Mr. Ervin - IELTS Expert & Mr. Ariz Siddiqui - Senior Manager Apply Board for B. Tech / B.Com / B.Sc. / Law / Pharmacy, all year students on 25th Feb 2025
26	Webinar on <i>Campus to Courtroom : Building a Successful Legal Career</i> by Testbook for B.A. - LLB / BBA - LL.B / LL.B All year students on 25th Feb 2025 .
27	Seminar on <i>Effective Communication - a step towards job process</i> by Maxme.com, Australia for B. Tech / B.Com / B.Sc. / Law / Pharmacy / Nursing , All year students on 27th Feb 2025
28	US Universities Session on " <i>Battle of the Acceptance Letters: Choosing Among Admits</i> ". By EDUCATION USA on 27th February 2025
29	Winter School 2025 by CCG&D from 08 Jan to 22nd Feb 2025 for all year student
30	STEM for HER - Scholarship Program under the Genpact & United Way, Hyderabad for B.Tech ( All Streams) / B.Pharm / B.Sc Nursing / BPTH, 1 st Year Girls Only on 7th March 2025.
31	Counselling & Guidance session on Higher education in Forign Universities on 08 March 2025
32	Seminar On " <i>Exploring Careers in the Public Sector and Government Sectors</i> " By Physics Wallah for B.Tech / B.Com / B.Sc. / BCA / B.A. - 1st year to final year students on 10th March 2025.
33	Seminar on <i>Career Guidance on Opportunities in Medical Coding</i> by Mr. Vinay Singh - Sr.Manager Talent Success AAPC India Pvt. Ltd. For Pharmacy / B.Sc. Microbiology, Biotechnology Final / Prefinal year students on 08th April 2025.
34	Quiz (Pratispardha 2025) By My Mentor on 09th April 2025 for All Courses Final / Pre-final year students.
35	Seminar on " <i>Campus to Career : Your Pathway to NHS UK and Global Education</i> " by Mr. Irwin Das - NHS Recruiter for B.Sc. (Nursing) / GNM / M.Sc. (Nursing) 2nd year onwards on 17th April 2025.
36	UK University Fair - 2025 by StudyIn for B. Tech / BBA / BCA / B. Com / MBA / MCA / M.Com 2025 / 2026 Batch on 04th June 2025 .

37	Summer School Program - 2025 for all branches from 11th June 2025 to 9th July 2025 by CCGND Team.
38	Webinar on "Effective Study Techniques, Career Planning, and Skill Development" by Grad Guru Innovations for M. Pharma / B. Pharma / D. Pharma - 2025 / 2026 on 12th June 2025.
39	Seminar on <i>Aptitude Class Test Guidance for Government Sectors</i> by Physics Wallah for All Course / All Branch - 2026 / 2027 / 2028 Batch on 25th June 2025
40	Seminar on <i>English Communication for Career Progression</i> by Mr. Ervin Das - IELTS Expert for All Course / All Branch - 2026 / 2027 / 2028 Batch on 25th June 2025.

**Final Steps: An initiative to make students campus ready where special training sessions are conducted designed as per the company specific selection process**

1	Final Steps for IKK Group, UAE, B. Tech (Civil) 2022/ 2023 / 2024 batch from 02nd August to 07th August 2024 .
2	Final Steps for Nestle India Pvt. Ltd. B. Tech (BT/FT) / B.Pharm. 2025 batch from 28th Aug 2024 till Drive Date .
3	Final Steps for Accenture B. Tech / MCA / 2025 Batch from 3rd Sep. to 6th Sep. 2024.
4	Final Steps For Accenture for B. Tech / MCA- 2025 Batch on 02nd, 03rd & 06th September 2024.
5	Interaction with Nestle shortlisted students by CCG&D Team on 10th October 2024 .
6	Final Steps for 99acre.com, MBA 2025 on 15th October 2024 .
7	Online Aptitude Assessment Test - Series 1 B. Tech (CSE / CCAI / DSAI / CTIS / ECE / CCE / EE / ME / CE / CE (L&T) / BT / BME / FT) For Pre Final / Final Year Students from 23rd to 26th October 2024 on ILI portal.
8	Final Step for Accenture B.Sc/ BCA/BBA/ B.A/ B.Com/ B.Ed/ M.Sc/ M.A/ M.Com/ B.Design/ Pharmacy 2025 Batch on 13th November 2024.
9	Final Steps for HCL Technologies Online Master Series 2025 , B. Tech (CSE / EE) , 2025 batch on 08th Feb & 10th Feb 2025.
10	Practice Series / Hint Video Links On Logical Reasoning for B. Tech / B.A. / BBA / BCA / B.Com / B.Sc. 2025/2026 from 1st May to 17th May 2025 by Mr Shaz Alam (CCGND)
11	Practice Series / Hint Video Links On Quantitative Aptitude for B. Tech / B.A. / BBA / BCA / B. Com / B.Sc. 2025/2026 batch from 07 th May 2025 to Monday, 30 th June 2025 by Mr. Shaz Alam - CCG&D

**Internship / Project and Dissertation Support:**

CCG&D provided Internship Support to the students B. Tech (Pre-final Final year) and BBA / BCA / B. Com / B. Pharm. / Diploma / MBA / MCA / M.Sc / M.Tech, BA/MA in Humanities, Arts and Social Sciences/ M. Com / B.A.-LL. B / B.B.A.-LL. B / LL. B

# More than 350 Internship offers have been made through 95 internship organizations during this period.

International higher education / Scholarship Support: CCG&D provided International higher education / Scholarship Support to top International Universities in a periodic interval.

**Government / Competitive Job Support:**

CCG&D provides support for through timely notifications, guidance on application process and Exam pattern, and past year papers to help in preparation for Government competitive exams.

**Few of the recent ones are:**

- Staff Selection Commission (SSC)
- Combined Graduate Level (CGL)
- Railway Recruitment Coard( RRB) Junior Engineer.
- Institute of Banking Personal Selection (IBPS) PO
- Hindustan Petroleum Corporation Limited (HPCL)
- Indian Army 142nd Technical Graduate Course (JGC-142)

# INTEGRAL UNIVERSITY LIBRARY SYSTEM

**Dr. Mustahsan Usmani Raja** : University Librarian

*"Nothing is pleasanter than exploring a library." Walter Savage Landor*



## Introduction

The Integral University Library System (IULS) acts as the primary source of intellectual and cultural resources for the entire University community. Its primary objective is to provide fair and effective access to recorded knowledge for all students, faculty, staff, and administrators in support of the University's teaching, learning, and research activities. Furthermore, it seeks to meet the information literacy requirements of every individual within the University community.

The library's essential function includes the thoughtful selection, acquisition, organization, preservation, and distribution of a wide variety of reading resources. IULS is committed not only to expanding its collection and improving its infrastructure but also to delivering outstanding facilities and services for its users. The IULS has maintained a positive perspective as it continues to develop, featuring a robust collection of materials, impressive services, and modernized physical facilities, all seamlessly integrated with Information and Communication Technology (ICT) to create an efficient library experience.

## The Central Library:

The Integral University Library System (IULS) comprises a Central Library alongside various Departmental Libraries, which together play a crucial role in supporting the educational, research, and outreach efforts of the University.

The Central Library is a carefully organized collection that holds an extensive array of resources. The IULS boasts a varied assortment of over 154,000 documents, including textbooks, reference works, journals, theses, back issues, and multimedia content. These resources encompass a wide array of subjects, primarily focusing on Science and Engineering, Commerce and Management, IT and Computer Science, Medical and Paramedical Sciences, Biotechnology, Agriculture, Applied Sciences, Humanities, Law, Education, and Literature.

The library is fully automated and located within a centrally positioned multi-story structure. It offers seating for more than 550 students, creating an excellent atmosphere for study and research. The IULS is overseen by skilled library professionals.

## Mission:

Aligned with the vision and mission of Integral University, the Central Library functions as the main

Learning Resource Centre of the University. It provides a diverse array of both traditional and contemporary ICT-based resources, services, and facilities to enhance the educational programs of the University.

#### Objectives:

- To support the teaching/learning process of the UG/PG/Ph.D. students at the university, through the provision of knowledge/information/dissemination.
- To meet the knowledge/information needs of the faculty, to support their teaching activities.
- To meet the knowledge/information needs of the faculty and research staff to support their research activities.
- To respond effectively, where possible, to the knowledge/information needs of the university's client systems.
- To facilitate convenient and user-friendly access to the holding of the library.

#### Collection Development and Management

Curating the library collection is a vital task that underpins the academic and research endeavors of the University. During the 2024-2025 academic year, the library saw considerable expansion in its collection, reflecting its commitment to improving resources for the advantage of its users. The Central Library added 4,753 print books, 600 master's theses, 153 physical copies of dissertations, and 332 print journal titles. Furthermore, it offered access to an extensive array of prestigious databases, including over 8,000 e-journals and more than 2,000,000 e-books.

In addition, the Central Library obtained subscriptions to 36 well-known and specialized magazines, along with 15 newspapers in Hindi, English, and Urdu for the 2024-2025 academic year. To visualise the library's spending during that time, please see the provided table.

Resources	Total Expenditure (In Lakhs)
<b>Books</b>	<b>44.28</b>
<b>Print Journals</b>	<b>80.43</b>
<b>Online databases /ebook/e-journals</b>	<b>98.4</b>
<b>Total</b>	<b>223.11</b>

#### Subscription of E-Resources

During the year 2024-2025 the library has subscribed to the following e-resources:

EBSCO-E-Books Academic Collection
EBSCO-Business Source Elite (B SE)
IEEE-All Society Periodical Package (ASPP) Online
IEEE-Proceedings Order Plan ( POP)
SCOPUS
Science Direct

Manupatra
Delnet
J-Gate Next
Springer Link
Oxford University Press

### Digital Library

The Integral University Library System features a dedicated web portal (<http://www.library.iul.ac.in>) that allows users to access electronic resources from any location at any time. The Central Library has also created an institutional repository for publications produced by the University community. The library is integrated into the campus-wide network and possesses adequate computing facilities to cater to the needs of its users. Moreover, the reading areas are equipped with Wi-Fi, enabling users to conveniently access both print and electronic resources using their laptops.

### Koha Integrated Library Management System

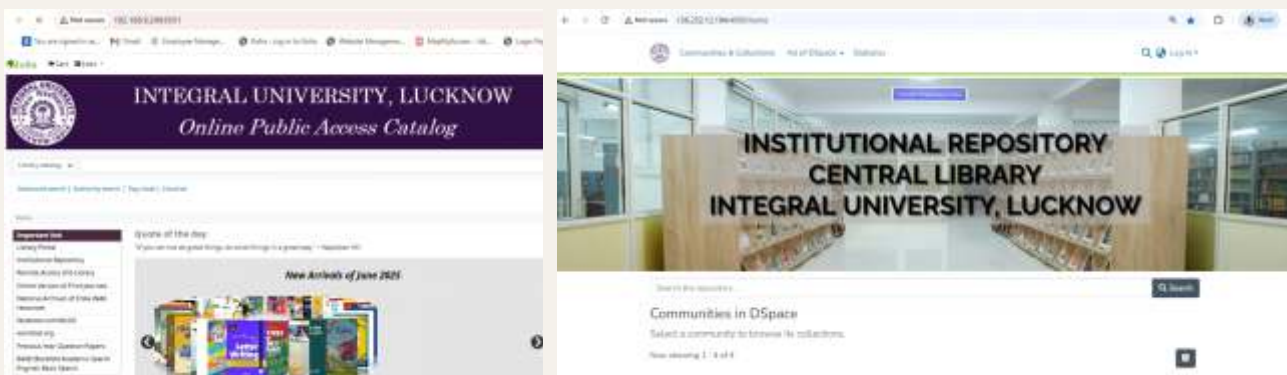
Handling a vast collection of books, magazines, and papers can be quite difficult. Nevertheless, the adoption of a library management system can significantly ease these responsibilities. The Integral University Library System has modernized its functions by utilizing the Koha Integrated Library Management System (ILMS), aligning with global library technology standards. In the 2024-2025 period, a refreshed version of KOHA was implemented, bringing a host of new functionalities.

To facilitate effective management, all existing and newly obtained books and materials are organized using Koha and labeled with barcodes. This system allows for automated check-in and check-out procedures, enhancing workflow and ensuring accuracy, efficiency, and dependability. Furthermore, it assists in producing essential statistics concerning book circulation and manages queries about borrowing history, book return processes, popular titles, and more.

### OPAC/Web OPAC (Online Public Access Catalogue)



The Online Public Access Catalog (OPAC) is a commonly utilized service offered by the library, available around the clock through the library portal. It provides a comprehensive listing of all accessible materials and shows the availability status of each book. Users can also oversee their library accounts through OPAC. Furthermore, there are 6 PCs available in the Central Library dedicated solely to accessing the OPAC. In the 2023-24 period, a new user interface for OPAC was launched to improve its attractiveness and ease of use.



### Institutional Repository (<http://136.232.12.194:4000>)

The Central Library at Integral University has developed a comprehensive and updated institutional repository of academic works. This collection includes a diverse array of materials such as books, book chapters, master's theses, news articles, newsletters, and more. Currently, the repository contains over 1200 items, with continuous efforts to enhance its contents while adhering to copyright laws. The long-term aim is to create a vast database that compiles all scholarly contributions from the university community. Users can easily access this repository via the library portal online, ensuring smooth accessibility.

### Digital Resource Center

The library offers a broad range of digital materials, such as CDs and DVDs covering diverse topics, which can be found at the Digital Resources Center. For easy access to these electronic resources within the Central Library, there are 12 specialized computers conveniently located in the Digital Resource Center.

### Lecture Capturing System (LCS)

The Central Library has a Lecture Capturing System (LCS) to help faculty record their lectures. This system is capable of capturing video lectures, presenting audio-visual content, and generating PowerPoint (PPT) slides with live annotations using a stylus on an active PPT, virtual whiteboard, or a browser interface. The diverse functionality allows users to effortlessly create and share recorded video content or documents via their chosen communication channels, promoting both asynchronous and live educational interactions across different platforms. This service is available to all faculty members and research scholars through two recording rooms situated on the first floor of the Central Library.



### Library Services

#### Circulation Service:

The Circulation Section serves as the hub for numerous activities including the issuance, renewal, and return of books, as well as collecting fines, registering members, and issuing no dues certificates. Additionally, they offer enhanced services such as creating statistical reports and sending email notifications to improve the user experience.

### *Circulation Statistics during 2024-25*

<b>Total Walkins</b>	<b>205576</b>
<b>Total Books Issued</b>	<b>20137</b>
<b>Total Books Returned</b>	<b>27132</b>
<b>New Memberships</b>	<b>1745</b>

In addition, the circulation department skillfully manages a diverse array of user questions, which is crucial for the library's administrative tasks and user interaction efforts.

#### **Reference Service**

The reference service serves as an important asset designed to improve the effective use of the library's diverse collection of resources and services. It provides critical assistance to users, helping them to find particular information or documents effortlessly. Users are invited to utilize the "Ask the Librarian" feature on the library's online portal to access the reference service remotely, from the convenience of their own environment.

Inside the Central Library, there exists a carefully organized Reference section that contains a variety of important reference materials, including encyclopedias, dictionaries, directories, handbooks, technical data, atlases, bibliographies, CD-ROMs, audio and video DVDs, and an extensive collection of competitive books. Additionally, this section features an extraordinary three-volume manuscript of the Holy Quran, which is approximately 156 years old, along with other valuable and rare books.

#### **Reserved Books Service**

The Central Library contains a unique collection of reserved books totaling over 13000 titles, encompassing all key subjects and fields. These books are included in the course syllabus or suggested by the appropriate faculty members. Reserved books can only be read within the central library and are available for consultation from 9:00 A.M. to 8:00 P.M. on weekdays, and from 9:00 A.M. to 4:00 P.M. on Saturdays.

#### **Research Support Service**

In the modern digital era, libraries have evolved to include broader responsibilities, with research support services emerging as a crucial element. These services address the varied requirements of scholars from different fields. The Central Library is committed to equipping researchers with the tools they need to carry out significant studies by providing targeted resources, assistance, and an encouraging atmosphere.

The thesis/e-thesis collection at the library is an important resource for researchers, offering insight into contemporary research trends across various subjects. Featuring more than 690 theses and 3,000 hard copy master dissertations, the collection bolsters the research efforts of the University.

Furthermore, the Central Library provides researchers with plagiarism and similarity detection services using DrillBit software to improve research quality and uphold academic integrity. In the 2024-2025 academic session, the Central Library assessed more than 7,100 theses, research papers, and manuscripts for plagiarism and similarity, highlighting its dedication to maintaining academic integrity and delivering high-quality research.

#### **Users' Education/Assistance Service**

The library focuses on educating and assisting users to raise awareness, inform, and support them regarding the available resources and services. Its goal is to improve users' ability to take advantage of the library's offerings. In addition to the Orientation Program, the library is dedicated to offering ongoing support to faculty members, research scholars, and students to help them utilize library resources both efficiently and effectively.

To connect with the user community, the library frequently sends out emails that provide information about new resources, activities, and services. This fosters a platform for users to communicate their thoughts, feedback, and suggestions. Users also get regular

updates from Koha regarding their circulation activities. Furthermore, notice boards positioned strategically in both the Central and branch libraries keep users informed about all the latest developments related to the Integral University Library System.

#### **Innovative services:**

- Remote Access
- Lecture Capturing System
- Plagiarism/Similarity Check
- Digital Resource Center for accessing e-resources
- Exclusive Library Portal
- Institutional Repository
- 24x7 Ask a Librarian Service
- Faculty Publications Area
- Current Awareness Service
- New Arrivals Service
- News Clippings Service
- User Orientation/Information Literacy program
- Separate reading room for Faculty & Researchers
- CCTV Surveillance
- 24x7 Campus-wide access to e-journals and e-books
- Access to previous years' exam question papers

#### **Professional Activities by the University Librarian**

Dr. Mustahsan Usmani Raja, the University Librarian, was invited as a resource person to the ICPD-2024 International Conference on Population and Development, which took place at Jai Narain PG College in Lucknow on November 16-17, 2024. He spoke about "The Importance of Databases for A Researcher"

Additionally, Dr. Mustahsan Usmani Raja served as a speaker at the Superhouse Education Foundation Librarians' Meet on February 24, 2025, held at DPS ELDECO in Lucknow. He delivered a talk titled "Skills-The Librarians Should Have" to librarians participating from across the DPS network.

Furthermore, Dr. Mustahsan Usmani Raja served as a panelist at the 9th International Conference of Asian Special Libraries, which was held at Dr. Ram Manohar Lohiya National Law University in Lucknow on May 9, 2025.

The Library's Annual Report for 2024-2025 reflects our commitment to enhancing knowledge, fostering learning, and empowering our academic community. The report highlights the important initiatives aimed at expanding the library's collection, enhancing user interaction, and adapting to the evolving trends in information access.

## WOMEN GRIEVANCE CELL

A Women Grievance Cell has been established at University as per UGC guidelines, against sexual harassment of women employees and students. The aim and purpose of the cell is to provide facilities and amenities for safe, secure and violence free environment for women and sensitization, policy implementation, monitoring and grievance redressal in the University.

### Important Events

**During the year the cell has organized following programmes:-**

#### **A Seminar on Women's Health and Empowerment on International Self-Care Day**

In collaboration with Pink Shakti and Department of Bioengineering, hosted a one-day seminar on International Self-Care Day on 24th July, 2025 emphasizing women's health and empowerment. The program began with a Welcome Address by Dr. Alvina Farooqui, HOD of the Department of Bioengineering. Professor Syed Waseem Akhtar, Chancellor of Integral University, expressed, "We are proud to host this seminar on International Self-Care Day, reinforcing our commitment to fostering women's health and empowerment through knowledge-sharing and community engagement." Dr. Syed Nadeem Akhtar, Pro Chancellor, remarked, "Events like these underscore our dedication to holistic education, addressing critical issues such as women's health and empowerment, which are pivotal for societal progress." Vice Chancellor Professor Javed Musarrat stated, "Integral University is honored to collaborate with esteemed organizations like Pink Shakti to provide platforms that educate and empower women, ensuring their well-being and contribution to society."

The event also featured expert sessions on menstrual hygiene, cervical cancer prevention, and mental health awareness. Distinguished guest speakers enriched the seminar with their expertise: Mrs. Manjari Upadhyay, Founder of Jijiwisha Society, discussed menstrual hygiene and dispelled associated myths. Dr. Asma Nigar, a prominent gynecologist IIMSR, elaborated on cervical cancer causes, prevention strategies, and the importance of HPV vaccination. Ms. Neha Anand, Founder of Bodhi Tree and a psychologist, emphasized the significance of mental health in today's challenging environment.

Ms. Snigdhaa Ritesh, Chief Visionary of Pink Shakti, highlighted the organization's holistic approach to women's empowerment through the Pink Shakti App and community campaigns, offering free mental and menstrual health counseling.

#### **Awareness Program on Women Empowerment and Gender Equality**

In collaboration with Eco-sync, University's Environmental Club, organized an Awareness Program on Women Empowerment and Gender Equality for the fifth phase of Mission Shakti Abhiyan on 29th October 2024, in online mode. Mission Shakti is a comprehensive and visionary initiative taken by the Department of Higher Education, Government of Uttar Pradesh that aims to empower women for safety, security, and self-reliance.

By raising awareness, establishing a secure environment, and providing workshops and training programs, the mission strives to transform women's lives and create an inclusive and empowered society. Through its multifaceted approach, Mission Shakti empowers women to take charge of their safety, pursue entrepreneurship, and gain the skills needed to thrive in various sectors. By addressing the specific challenges women face and providing them with the necessary support and opportunities, Mission Shakti paves the way for a more equal and inclusive society where women can fulfil their potential and contribute to the overall progress and development of the nation. The objectives of this program were to promote gender equality and empower women through various initiatives that enhance their social, economic, and political participation.

**The Department took an initiative and organized two activities under this event.**

1. Slogan Writing competition was organized for undergraduate/postgraduate students from different disciplines and Departments and research scholars to participate in the event. Twenty students participated and submitted their entries through google form. The competition saw enthusiastic participation, with many creative slogans highlighting the spirit of Mission Shakti.
2. An online awareness lecture was organized through Google Meet for the students to increase awareness about women's empowerment and their safety. The distinguished guest speaker for the

event was Dr. Kritika Agarwal, Faculty in Department of Journalism in the University of Lucknow. She is a famous academia, a YouTuber and ex-journalist in Asian News International and Times of India. She raised issues about women's safety and the benefits of empowering women through her inspiring presentation. She highlighted the objectives of Mission Shakti Abhiyan Phase 5, the importance of women's empowerment, steps to ensure women's safety and security, and community involvement and support systems. Participants expressed appreciation for the informative session. Many shared personal reflections and insights on how they could contribute to the mission in their communities.

## INFRASTRUCTURE

For parents who want to see their children excel in their academic life, their number one concern when considering which university their child should attend is always quality education. They are fully aware that campus life is a very important factor for many of those who make it to University. Those in the academia can attest to the fact that there is more to universities than research and teaching. For the period that student pursue their studies, and even long after their graduation, a University campus becomes the centre of their lives and in many cases, their actual homes. Immediately, a student begins living independently in a place that presents more challenges than those which an individual would have imagined while still at secondary school, the importance of a University infrastructure becomes clear. This entails everything that a particular institution offers beyond the lecture theatres and academic sessions. In pursuit of institutional excellence in teaching and research, the Integral University has been making massive investments to upgrade the physical infrastructure particularly to cater for the requirements of students. The University is complementing these activities through a host of physical and technological programs to provide high quality educational services.

The University's infrastructure support enables and enhances the work of its faculty, staff and students. The quality and attractiveness of the overall work environment assists in the recruitment and retention of outstanding faculty, students and staff. In twenty one' time the University has made substantial progress towards becoming a showcase for environmental sustainability. It has slashed energy use, expanded green spaces, and built and retrofitted buildings to strict environmental standards. Complementing these concrete actions with its teaching, research, and development efforts in environmental mapping, the institution is widely recognized as a model for a Green University.

The University is located at Kursi Road, North of Lucknow, 7 Kms from Ring Road. It is spread over the area of 122 Acres of Land with an excellent infrastructure co-extensive with its burgeoning academic activities. The total buildup are of University is 3,37,402.78 Sq.Mtr.

**Total Built-up Area of Main Campus is 3,37,402.78 sq. mtr., as per following breakup.**

### Details Of Buildings

S.N.	NAME OF BUILDING	AREA IN M <sup>2</sup>
1	Gate Complex	73.40
2	Main Academic Block-I	17,088.60
3	Faculty Club	86.32
4	Auditorium	2,344.18
5	Amenities Block	1,811.57
6	Staff Quarters	195.00
7	Workshop	1,652.00
8	Guest House	418.60
9	Canteen-A	697.02
10	Academic Block-II	7,167.28
11	Gymnasium	464.37

12	Canteen-B	297.67
13	Hospital Block	21,464.00
14	Girls Hostel Old	5,354.50
15	New Girls Hostel 1st Phase	16,170.00
16	New Girls Hostel 2nd Phase	27,574.00
17	New Girls Hostel Mess	1,553.00
18	Boys Hostel (A-Block)	9,909.60
19	Boys Hostel (B-Block)	10,924.26
20	Boys Hostel (C-Block)	5,796.60
21	Boys Hostel (D-Block)	5,796.60
22	Administrative Block	5,140.60
23	Pharmacy Block	6,387.60
24	Central Library	17,116.58
25	Lecture Theatre Block-A	7,984.04
26	Polytechnic Block	10,087.59
27	Lecture Theatre Block-B	14,271.09
28	Warden Residence (Boys Hostel)	1,466.46
29	Medical College Phase-II	19,146.94
30	Residential Block (Medical)	13,630.30
31	Techno Academic Inter College	10,508.37
32	Medical College Phase-III (under Construction)	18,122.64
33	PG Hostel IIMSR (under Construction)	12,000.00
34	Academic Building Shahjahanpur (Under Const.)	17,933.08
35	STP 1MLD	1,580.00
36	New Girls Hostel Common Hall	1,400.00
37	New Girls Hostel 3rd Phase	12,000.00
38	Boys Hostel Hall-5 (Under Construction)	11,563.00

**Total Built -up Area Main Campus**  
**Total Built -up Area Shahjahanpur Campus**

**2,99,243.78 Sq.Mtr.**

**38,159.00 Sq. Mtr.**

**Total**

**3,37,402.78 Sq. Mtr.**

In addition to above, the University also has under its use 53 Acres of Developed Leased Land under an MoU with a Society having identical objectives. This Leased Land has around 55,000 sq.mtr. constructed area comprising Buildings, Laboratories, Lecture Halls, Class Rooms, Hostels etc. \

**The details of other Academic Infrastructure are as follows:-**

- Class Rooms 210
- Laboratories 177
- Research Laboratories 12
- Central Library 01
- Departmental Library 23
- Centre Auditorium 01
- Seminar Hall 28
- Studio 11
- Moot Court 01
- Multipurpose Hall 01

**Other Physical Facilities:**

- Hospital with Modular OT's and Labs at IIMSR
- Student's Activity Centre
- Gymnasium
- Fly Ground
- Centre for Career Guidance and Development Cell
- A Central Workshop alongwith six shops.
- Lecture Theaters and Tutorial Rooms
- Campus wide networking with Internet facilities.
- Differently-abled Friendly Washrooms

**Transport Department:**

The University has its own transport department, which consist of Fleet of buses for students and Separate coaches for staff

**Computing Facilities:**

Desktop Computer	1900
Student Ratio	1:6
All Computers are connected to LAN	-
Whole Campus is Wi-Fi enabled	-
Projectors	274

<b>Central Computer Centre</b>	
Server	11
Terminals	200
Printer	273
UPS-1KVA	37
UPS-2KVA	7
UPS-3KVA	95
UPS-5KVA	7
UPS-6KVA	11
UPS-10KVA	9
UPS-15KVA	2
UPS-40KVA	1
UPS-75KVA	1
All the systems have internet connectivity	
<b>IT Infrastructure/Internet Facilities</b>	
NKN Leased line Connection from BSNL	1GBPS
Leased Line-connection from JIO	600 MBPS
Campus Network is through Optical Fiber Backbone	Yes
Internet Connectivity is available in all the departments and buildings including Hostels & Residence	Yes
Connectivity to the User points in though LAN/Wi-Fi	Yes
Whole Campus is under CCTV surveillance	Yes

**Hostel Facilities:**

Very good Hostel facility in the campus both for Boys and Girls along with common rooms, dining halls, mess, reading room and gymnasium etc.

- Four Boys Hostels with a total capacity= 1300
- Two Girls Hostels with a total capacity= 1900
- One more seven storied Hostel is under construction
- Special facilities of Hostels are provided to the International Students
- Internet connectivity is available in all the hostels
- Apart from students residential services the University also caters the residential needs of its faculty and staff

**Medical Facilities:****Institute of Medical Sciences and Research Hospital.**

- Emergency Care
- Facilities of a 845 bedded Hospital are available round the clock.
- Twenty-Four hours Ambulance Service
- Nominal/Concessional Medication charges for University Staff.
- Free Medication for the Students.

**Amenities for Students:**

- Internet Facility
- University Web-site
- University Canteens
- Play Grounds
- Health Centre (University Medical College)
- Urban Health Centre
- Rural Health Centre
- Banks: Punjab National Bank/HDFC/Union Bank of India
- Post-Office
- University Guest Houses
- Staff Quarters in University Campus

**Building-wise Details of Disabled Friendly Facilities**

S.N.	NAME OF BUILDING	Barrier Free & Disabled Friendly Facilities
1	Main Academic Block-I	Ramp
2	Auditorium	Ramp/Lift
3	Guest House	Ramp/Lift
4	Academic Block-II	Ramp/Lift
5	Hospital Block	Ramp/Lift
6	Girls Hostel Old	Ramp
7	New Girls Hostel 1st Phase	Ramp/Lift
8	New Girls Hostel 2nd Phase	Lift
9	Boys Hostel (A-Block)	Ramp
10	Boys Hostel (B-Block)	Ramp
11	Boys Hostel (C-Block)	Ramp
12	Administrative Block	Ramp/Lift
13	Pharmacy Block	Ramp/Lift
14	Central Library	Ramp/Lift
15	Lecture Theatre Block-A	Ramp/Lift
16	Polytechnic Block	Ramp/Lift
17	Lecture Theatre Block-B	Ramp/Lift
18	Medical College Phase-II	Ramp/Lift
19	Residential Block (Medical)	Ramp/Lift
20	Agriculture Block	Ramp/Lift
21	Medical College Phase-III	Ramp/Lift
22	PG Hostel IIMSR	Ramp/Lift

# INFORMATION TECHNOLOGY HELP DESK

**Syed Ghulam Mahmood** : Manager IT Services

## Introduction

Year-on-Year Comparison and 2024-25 Enhancements Over 2023-24

Compared to 2023-24, the year 2024-25 marked a significant leap forward in the digital transformation journey of Integral University. Several strategic upgrades were introduced across core infrastructure, surveillance, networking, and academic support systems. Notably:

- Expansion of digital podiums from Phase-3 to IIMSR and Main Campus.
- Full-scale CCTV surveillance growth from under 500 cameras to 800+ units.
- Consolidation of data resources through the creation of a state-of-the-art data centre.
- Migration from legacy Wi-Fi infrastructure to high-speed Wi-Fi 6 across academic and residential areas.
- Broader rollout of centralised UPS systems across Phases 1 and 2 for improved power reliability.

These advancements reflect a shift from foundational digitisation (seen in 2023-24) to intelligent automation and centralised control in 2024-25, setting the stage for scalable digital growth in the coming years.

In 2024-25, the IT Helpdesk at Integral University demonstrated exemplary performance through strategic planning, timely execution, and proactive technological interventions. This annual report presents a comprehensive overview of major initiatives and infrastructure developments, reflecting the university's vision for academic excellence, operational efficiency, and campus-wide digital empowerment. These efforts are pivotal in shaping a responsive, secure, and future-ready academic ecosystem.

## Key Technological Initiatives and Implementations

### Expansion of Interactive Smart Classroom Infrastructure

**Locations:** Phase-3 (Initial Deployment), IIMSR, and Main Campus (Expanded Rollout in 2024-25)



IIMSR LECTURE THEATER



DEPT OF AGRICULTURE SMART CLASS

**Description:**

- The initiative began with a limited implementation in Phase 3 and was significantly expanded in 2024-25 to cover the IIMSR and Main Campus academic blocks.
- Smart classrooms now feature digital podiums with high-definition touchscreen interfaces, fully integrated with audio-visual and networking equipment.
- The infrastructure supports hybrid learning models, allowing seamless switching between in-person and remote instruction.

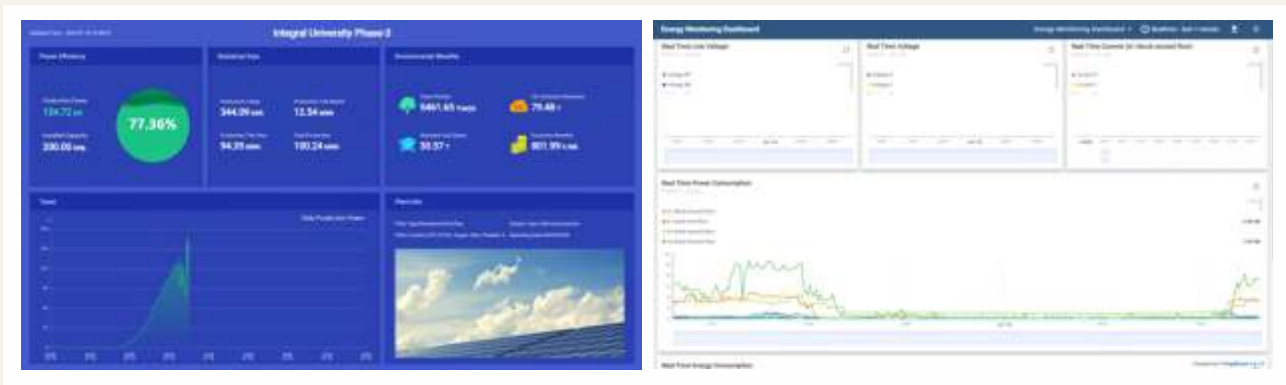
**Benefits:**

- Facilitates interactive, multimedia-based teaching methodologies.
- Encourages digital resource usage and minimises paper dependency.
- Enhances the teaching and learning experience through intuitive interfaces and flexible content sharing.

**Smart Solar Energy Monitoring Platform**

**Location:** Phase-3 Rooftop Units across the Academic Building.

**Technology:** Grid-connected solar panel systems with a real-time IoT-based energy monitoring and analytics platform.



SOLAR PLANT DASHBOARD

ENERGY MONITORING DASHBOARD

**Description:**

- A dedicated solar energy initiative was launched to support campus-wide power requirements and reduce dependence on the traditional grid supply.

- These IoT-integrated systems provide detailed visibility into energy generation, consumption patterns, and system health through centralised dashboards accessible by the facility managers.
- The system is integrated with smart meters and dashboards for real-time tracking of power generation, utilisation, and environmental benefits.

#### Benefits:

- Substantial reduction in electricity costs.
- Contribution to sustainability and clean energy goals.
- Enhanced visibility and control over energy usage.
- Supports green campus initiatives aligned with national and global sustainability frameworks.

### Enhanced CCTV Surveillance Coverage

**Locations:** Main Campus, IIMSR (Major Expansion in 2024-25)

#### Overview:

- In 2024-25, a significant expansion of surveillance infrastructure was undertaken at both the Main Campus and IIMSR. Hundreds of high-definition CCTV cameras were newly installed across key areas, including academic corridors, building entrances, parking zones, and hostel perimeters. These additions brought the total active surveillance units across the university to over 800, providing comprehensive visual coverage for safety and monitoring.
- This upgrade ensures wider surveillance coverage, minimises blind spots, and strengthens the safety net across university premises.

#### Benefits:

- Enables proactive threat detection.
- Improves monitoring of high-risk and sensitive zones.
- Coordinates efficiently with physical security teams and alarm systems.
- Generates automated logs and surveillance reports.

### Technology-Enhanced Conference & Collaboration Spaces

**Locations:** Phase-3 Board Room.

Phase -1 Block-B Meeting Room and Block A Board Room



BOARD ROOM PHASE-3



MEETING ROOM PHASE-1 B-BLOCK

**Technologies:**

- Integrated automation for lighting, sound, and visuals.
- Interactive panels with annotation support.
- High-quality microphones and speaker systems.

**Benefits:**

- Optimised for academic meetings, online conferences, and guest lectures.
- Supports live streaming and recording functionalities.
- Simplifies session setup with touch-based control systems.

**Advanced Server Infrastructure for Data Centre Expansion**

**Location:** Admin Block (Infrastructure Expanded in 2024-25 with Application-Specific Enhancements)

**Features:**

- High-performance servers were added in 2024-25 to support the growing needs of academic and healthcare systems, including a dedicated server for the Hospital Management Information System (HMIS). These upgrades ensure stable and secure hosting for medical records, patient workflows, and hospital operations. Additional servers were also provisioned to support virtualisation, academic portals, and internal applications.
- Multi-layered physical and digital security.

**Benefits:**

- Consolidates institutional data operations.
- Provides high availability for mission-critical services.
- Prepares the IT backbone for advanced digital services, including ERP, LMS, and AI tools.

**Strategic Infrastructure Modernisation Initiatives****Network Infrastructure Optimisation.**

- In the Phase-3 campus Structured network redesign with building-wise VLANs to reduce traffic congestion and increase management efficiency.
- As part of the broader network upgrade strategy in 2024, all student hostels were converted to Wi-Fi 6 infrastructure using Grandstream access points.
- This conversion addressed previous connectivity issues, reduced signal interference, and provided students with a stable, high-speed internet experience.

**Outcome:**

- Improved performance and containment of broadcast domains.
- Streamlined network policies and enhanced internal firewalling. The upgraded hostel Wi-Fi ensures uninterrupted access for academic, communication, and research needs, significantly improving student satisfaction and digital resource accessibility.

**Centralised UPS Integration****Phases Covered:**

- Phase-1 (Blocks B, D, E),
- Phase-2
- Phase-1&2 IIMSR

**Scope:** Classroom podiums, network switches, and digital equipment linked to UPS infrastructure.

**Benefit:**

- Maintains instructional continuity during outages.
- Central monitoring of backup power usage and load patterns.

**Wi-Fi 6 Deployment**

- IIMSR Phase-2: 26 Aruba Instant On Access Points
- Phase-1 Block B: 21 Aruba Instant On Access Points
- Hostels: Grandstream Wi-Fi 6 APs

**Benefits:**

- Increased throughput, capacity, and device concurrency.
- Enhanced security protocols for institutional wireless traffic.
- Supports bandwidth-demanding academic applications and streaming platforms.

**Overall Conclusion**

In 2024, the IT Helpdesk at Integral University reinforced its role as a key enabler of institutional transformation. Through forward-thinking initiatives, robust digital infrastructure, and strategic alignment with academic goals, the department has established a resilient, future-focused foundation.

These initiatives underscore the university's commitment to academic innovation, operational excellence, and a secure digital campus environment, ultimately fostering an ecosystem conducive to holistic education and research.

# INTEGRAL UNIVERSITY SPORTS ACADEMY (IUSA)

**Dr. Mohd. Zafar :** Director

The Integral University Sports Academy (IUSA) Plays a central role in nurturing Physical fitness, discipline, and a sporting culture among students. With a strong commitment to holistic development, IUSA focuses on structured coaching, organizing university-level and national-level events, and maintaining a robust infrastructure. The department is supported by qualified instructors and dedicated ground staff. The team ensures regular coaching sessions, the upkeep of grounds and equipment, and the seamless execution of sports activities across campus.

## Importance of Sports in the University

At Integral University, sports aren't treated as extracurricular, but they are an integral part on students growth. The students participate actively in morning and evening practice sessions, which are scheduled right from 6:00 AM to 8:00 AM and 4:30 PM to 6:30 PM. These timing are subject to slight changes in view of seasons and the academic activities of students. Sports are emphasized not just for fitness, but for promoting leadership, discipline, and mental well-being. Therefore university supports National and Inter-University participations and recognizes athletic excellence as a core pillar of its educational philosophy.

## Key Sports Events and Participation

### Sponsored Events by the University:

- Hockey (Senior National) - 2017-18 (Held at Lucknow)
- Under-14 National Hockey Championship - 2018-19
- Table Tennis 1st U.P. Ranking - Four consecutive years 2016-2020
- Table Tennis 1st U.P. Ranking - Four consecutive years 2022 -2023
- Table Tennis 1st U.P. Ranking - Four consecutive years 2023 -2024
- Integral University Facilitated in Khelo India University games -2023-24
- 2nd U.P. State Ranking table Tennis Tournament - Four consecutive years 2024-25

Student Participation Highlights: - Consistent representation in State and National level competitions - In-house tournaments, selection trials, and university league matches held regularly - Community outreach programs under NSS involving sports for underprivileged sections

## Photographs (Selected Highlights) :- Main Cricket Ground & Practice Pitch

- Football Ground & Practice Pitch
- Lawn Tennis Court
- Main & Girls' Hostel Basketball Courts
- Volleyball Courts
- Indoor Halls for Table Tennis, Billiards, Chess, Carrom, and Yoga

## 11th International Day of Yog -2025



Run For Fit India Week- 2024

### 2nd U.P State Ranking Table Tennis Tournament 2024-25



### 5th U.P. State Rugby 7s Championship -2025



### Annual Sports "Fiesta" Sports Competition -2024-25



## Existing Sports Infrastructure

**Outdoor Facilities:**

<b>Sport</b>	<b>No. of Grounds</b>	<b>Ground Size</b>
Football	1	90m x 120m
Cricket	1	50m x 60m
Lawn Tennis	2	78ft x 36ft
Basketball	2	28m x 15m
Volleyball	2	18m x 19m
Athletics Track	1	400m (Standard)

**Indoor Facilities:**

<b>Facility</b>	<b>Number</b>	<b>Size</b>
Main Campus Gymnasium	2	16m x 9m, 21m x 9m
Girls Hostel Gymnasium	1	28m x 16m
Badminton Courts	9	44ft x 20ft
Table Tennis Tables	5	12m x 6m
Chess Room	3	12m x 6m
Carrom Room	5	12m x 6m
Billiards Room	3	12m x 6m
Yoga Room	1	12m x 6m / Outdoor

**Proposed Developments**

To elevate the sports culture and accommodate the growing interest among students, the following proposals are under consideration:

- Synthetic Athletics Track: For enhanced training during all weather conditions
- Covered Multi-sports Arena: For indoor basketball, volleyball, and five-a-side football
- Digital Fitness Studio: With smart equipment and AI-driven fitness analytics
- Sports Equipment Upgrades: Annual replacements and expansion for growing student strength
- Swimming Pool Complex: To promote aquatic sports and cross-training

**Governance & Staff Responsibilities**

Director (Dr. Mohd. Zafar): - Leads coaching in football, gym, and powerlifting - Manages all sporting activities and events - Acts as Deputy Proctor and NSS Program Officer - Teaches Physical Education across programs (B.Ed., M.Ed., D.El.Ed.)

Physical Instructor (Ms. Sitara Sahani): - Specializes in Tennis, Gym, and Yoga for girls - Oversees sports equipment issuance and audits - Organizes inter-university events

Gym Trainers: - Mr. Aman Khan: Boys' gym training and fitness assessments - Mr. Aryan Kumar: Gym training plus coordination of athletic events.

Ground Staff: - Aravind Kumar: Maintenance of sports grounds and equipment - Ram Narayan: Cleaning and sanitization of gyms, arenas, and office areas

**Conclusion**

The Integral University Sports Academy stands as a pillar of discipline, health, and student engagement. With a dedicated staff, structured governance, and a growing infrastructure, IUSA continues to build a vibrant and inclusive sporting environment. Future plans focus on modernization and inclusivity—ensuring every student finds their passion in sports.

## LIST OF NATIONAL & INTERNATIONAL COMMEMORATIVE DAYS & FESTIVALS CELEBRATED DURING SESSION 2024-25

Sl.No.	Date	Title of Commemorative Days/Festivals
1.	13.05.2024	Pledge Campaign "Say Yes to Life, No to Drugs".
2.	31.05.2024	World No Tobacco Day
3.	05.06.2024	World Environment Day-2024
4.	05.06.2024	Ek Ped Maa Ke Naam
5.	27.07.2024	Catch the Rain, Nari Shakti Se Jal Shakti
6.	29.07.2024	International Tiger Day-2024
7.	23.08.2024	National Space Day
8.	02.10.2024	Gandhi Jayanti
9	02.10.2024 To 08.10.2024	Wild Life Week
10	03.10.2024	Gandhian Vision for "Viksit Bharat"
11.	26.10.2024	Mission Shakti Abhiyan
12.	11.11.2024 To 12.11.2024	World Science Day
13	15.11.2024 To 21.11.2024	Fit India Week-2024
14.	23.11.2024	Constitutional Day
15.	24.12.2024	Swachhata Hi Seva
16.	25.01.2025	National Voters Day
17.	30.01.2025	Plants & Pollution under the aegis of "Mission Life"
18.	27.02.2025	Amrit Dhara-A festival -A festival & Rivers.
19.	11.03.2025	Nasha Mukta Bharat Abhiyan
20.	08.03.2025	International Women's Day

# **SUMMARY OF DEPARTMENT WISE ANNEXURES 2024-25**

**Department wise Consolidated Status**

<b>S. No.</b>		<b>Nos.</b>
<b>1</b>	Details of Participation of Faculty Members in Conferences/ Workshops/Webinars held in abroad	16
<b>2</b>	Details of Participations of Faculty Members in International Conferences / Workshops / Webinars held in India.	89
<b>3</b>	Details of Participation of Faculty Members in National Conferences / Workshops / Webinars	382
<b>4</b>	Details of Books/Book chapters published by Faculty Members	493
<b>5</b>	Details of Research Articles/Papers published by Faculty Members	829
	<b>Total</b>	<b>1809</b>

**Department wise consolidated statement 2024-25**

<b>1.</b>	Statement showing the details of Participation of Faculty Members in Conferences/ Workshops / Webinars held in abroad	
<b>S.No.</b>	<b>Department</b>	<b>Nos.</b>
1	Architecture	1
2	Bioengineering	2
3	Chemistry	5
4	Dept. of Commerce	4
5	Electrical Engg.	1
6	Integral Institute of Agriculture Science & Technology	2
7	Integral Institute of Medical Science and Research (IIMS&R)	1
	<b>Total</b>	<b>16</b>

**Department wise consolidated statement 2024-25**

<b>2.</b>	Statement showing the details of Participations of Faculty Members in International Conferences / Workshops / Webinars held in India.	
<b>S.No.</b>	<b>Department</b>	<b>Nos.</b>
1	Architecture	6
2	Bioengineering	1
3	Chemistry	2
4	Civil Engg.	4
5	Computer Application	13
6	Computer Science & Engg.	7
7	Dept. of Commerce	6
8	Education	5

9	Electrical Engg.	8
10	Environment Science	12
11	Integral Institute of Medical Science and Research	5
12	Integral Institute of Agriculture Science & Technology	1
13	Law	5
14	Mathematics & Statistics	3
15	Mechanical Engg.	4
16	Physics	1
17	Pharmacy	4
18	Polytechnic Lucknow	2
	<b>Total</b>	<b>89</b>

### Department wise consolidated statement 2024-25

<b>3.</b>	Statement showing the details of Participation of Faculty Members in National Conferences / Workshops / Webinars	
<b>S.No.</b>	<b>Department</b>	<b>Nos.</b>
1	Architecture	1
2	Bioengineering	19
3	Chemistry	12
4	Civil Engg.	1
5	Dept. of Commerce	7
6	Dept. of Languages	43
7	ECE	13
8	EE	8
9	Education	7
10	Environment Science	43
11	Integral Institute of Medical Science and Research (IIMS&R)	137
12	Integral Institute of Agriculture Science & Technology	31
13	Law	29
14	Mathematics & Statistics	1
15	Mechanical Engg.	11
16	Pharmacy	15
17	Polytechnic Lucknow	3
18	Physics	1
	<b>Total</b>	<b>382</b>

### Department wise consolidated statement for Annexure 2024-25

<b>4.</b>	Statement showing details of Books published/Book Chapters by Faculty Members	
<b>S.No.</b>	<b>Department</b>	<b>Nos.</b>
1	Architecture	4
2	Bioengineering	18
3	Chemistry	21
4	Civil Engg.	5

5	Business Management	15
6	Computer Application	55
7	Computer Science & Engg.	23
8	Education	37
9	Environment Science	35
10	Humanities & Social Science	48
11	Integral Institute of Medical Science and Research	53
12	Integral Institute of Agriculture Science & Technology	42
13	Law	45
14	Mechanical Engg.	1
15	Pharmacy	39
16	Polytechnic Lucknow	4
17	Physics	13
18	Commerce	2
19	ECE	2
20	Languages	13
21	Mathematics & Statistics	18
	<b>Total</b>	<b>493</b>

#### Department wise consolidated statement for Annexure 2024-25

<b>5.</b>	Statement showing the details of Research Articles/Papers published by Faculty Members	
<b>S.No.</b>	<b>Department</b>	<b>Nos.</b>
1	Architecture	15
2	Bioengineering	44
3	Civil Engg.	7
4	Business Management	54
5	Computer Application	17
6	Electronic Communication Engg.	28
7	Education	27
8	Electrical Engg.	33
9	Humanities & Social Science	21
10	Integral Institute of Medical Science and Research (IIMS&R)	137
11	Integral Institute of Agriculture Science & Research	42
12	Law	29
13	Mathematics & Statistics	40
14	Mechanical Engg.	6
15	Pharmacy	93
16	Polytechnic Lucknow	8
17	Physics	12
18	Commerce	46
19	CSE	48
20	Chemistry	66
21	EVS	27
22	Languages	29
	<b>Total</b>	<b>829</b>



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