



**INTEGRAL
UNIVERSITY**



NEWSLETTER

2023-2024
VOLUME IV

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING





VISION

To produce highly skilled personnel who are empowered enough to transform the society by their education, research and innovations.



MISSION

- To offer diverse academic programs at undergraduate, postgraduate, and doctorate levels that are in line with the current trends in Computer Science and Engineering.
- To provide the state of the art infrastructure for teaching, learning and research.
- To facilitate collaborations with other universities, industry and research labs.
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The Message

Head of Department, Computer Science and Engineering



It gives me immense pride to reflect on the journey and accomplishments of the Department of Computer Science & Engineering, established in September 1998. Over the years, we have grown exponentially, now offering one undergraduate, two postgraduate, and one PhD program, all designed to meet the demands of an ever-evolving technological landscape.

Our department is well-equipped with state-of-the-art computer labs, providing an optimal learning environment where education meets innovation. Each laboratory, staff room, and office is fully networked and connected to the internet, ensuring that both faculty and students have seamless access to the resources they need. Our faculty members are not only highly qualified and educated from reputed institutions but are also actively engaged in pioneering research in areas such as Software Engineering and Cloud Computing, Computer Networks and Security, Digital Image Processing, Soft Computing, Big Data, and Artificial Intelligence.

We are committed to excellence in both academic and research endeavors, continuously striving to push the boundaries of knowledge. Additionally, our focus on best practices, including the establishment of student clubs and the integration of Sustainable Development Goals (SDGs) into our courses, ensures that we contribute meaningfully to the broader educational landscape.

As we continue to empower minds and innovate futures, I am confident that our department will remain at the forefront of technological evolution, producing graduates who are well-equipped to meet the challenges of the future.

Mrs. Kavita Agrawal,
Head of the Department,
Computer Science and Engineering

THE MESSAGE

EDITOR-IN-CHIEF

In the fast-paced world of academia, staying informed isn't just a choice; it's essential. As the Chief Editor of the Department of Computer Science and Engineering Newsletter at Integral University, I am excited to invite you to explore our platform, which embodies the vibrant spirit of our academic community.

Within the pages of our newsletter, you'll find a rich collection of highlights, ranging from technical events that showcase the latest innovations to cultural celebrations that promote unity and diversity. Our sports events highlight teamwork and camaraderie, while workshops, seminars, and guest lectures provide valuable insights from both industry leaders and academic experts.

Our What makes our newsletter truly special is the contributions from our students. They bring fresh perspectives, writing insightful articles, and sharing the latest developments in technology and academia. Their active participation ensures that our publication stays current and reflective of the diverse ideas within our department.

Our newsletter is more than just a publication; it represents our collective pursuit of excellence. It reflects our shared vision of using the power of education to shape a brighter future. We value your trust in us and look forward to nurturing a culture of curiosity, creativity, and inclusiveness together.

DR. ROSHAN JAHAN
ASSISTANT
PROFESSOR,
DEPARTMENT OF
COMPUTER SCIENCE
AND ENGINEERING



THE MESSAGE

FROM THE EDITORIAL DESK



Reflecting on the events that shaped the 2023-2024 academic session for the Department of Computer Science and Engineering, Albert Einstein's words come to mind: "In the middle of difficulty lies opportunity." This past year, our department embraced challenges and transformed them into opportunities for growth and innovation. From technical breakthroughs to cultural connections, each endeavor expanded our collective experience and contributed to our success.

Our technical symposiums created platforms for exploring the latest advancements in technology, fostering a culture of curiosity and innovation. These events empowered students and faculty alike to push boundaries and engage in thought-provoking discussions that not only deepened our understanding but also opened doors to future possibilities.

Cultural celebrations further enriched our journey by strengthening the bonds within our diverse community. These events allowed us to celebrate the uniqueness of our identities while promoting unity and inclusiveness. Sports competitions also played a vital role, teaching us the value of teamwork, resilience, and perseverance, traits essential for both academic and personal growth.

A major highlight of the year was the interactive alumni visits, where former students shared their experiences from the professional world. These sessions offered valuable insights, bridging the gap between academic knowledge and real-world applications, and inspiring students to pursue their ambitions with confidence.

As we celebrate our achievements, we look forward to continuing our pursuit of excellence. Let us embrace innovation, collaboration, and the spirit of exploration as we shape the future of technology and engineering, leaving a lasting impact on the academic community and beyond.

**EDITOR,
MS. ANUM KAMAL,
ASSISTANT PROFESSOR,**

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING


INTEGRAL UNIVERSITY


2022-2023
Volume III

NEWSLETTER
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING
INTEGRAL UNIVERSITY



Upcoming Events
Online Training & Certification: Microsoft Azure Fundamentals AZ-900 & Cybersecurity/ Data Analyst (IT Specialist).
Click the Link below:
https://drive.google.com/file/d/1ahu21Ae9sXwgWa_a6gNoBQshLMa0IZ5m/view?usp=sharing

About Computer Science and Engineering
Established in September 1998, the Department of Computer Science & Engineering offers 05 undergraduate, 02 postgraduate, and 01 PhD programs. Equipped with cutting-edge hardware and software, its computer labs are fully networked and internet-connected. The faculty actively engages in Research and Development, focusing on emerging fields like Software Engineering, Cloud Computing, Computer Networks, Digital Image Processing, Soft Computing, Big Data, and AI. Comprising highly qualified and dynamic members educated from prestigious institutes, the department emphasizes innovation and advancement in the realm of Computer Science & Engineering.



Faculty of CSE

01/16

Release of our Departmental newsletter – Volume III

The newsletter includes highlights of key events organized by the department, research contributions from students and faculty, updates on the latest technological advancements, and student-written articles on emerging trends in computer science, fostering a vibrant academic and technical exchange within the department.

On September 5, 2022, the Department of Computer Science and Engineering at Integral University celebrated the prestigious release of the third volume of its newsletter, coinciding with Teachers' Day. The event was graced by the Head of the Department, Mrs. Kavita Agrawal, who, along with the Chief Editor, Ms. Roshan Jahan, Editor, Ms. Anum Kamal, and the faculty, officially launched the newsletter. This annual publication highlights key events, technical advancements, and research contributions from students and faculty, while also providing insights into emerging technologies and trends in the field of computer science.



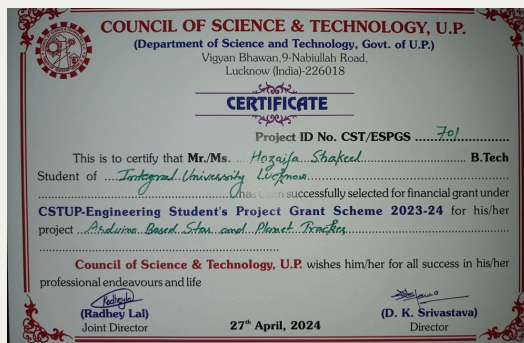
Due to growing student interest, the editorial committee saw an expansion this year, including several first-year students. The official committee was led by Ms. Roshan Jahan as Editor-in-Chief and Ms. Anum Kamal as the Editor, with student editors comprising Mohammad Avaish Khan, Md Arfakshad, Md Saad Bin Rizvi, Mohammad Atif (1st Year), Salman Ali (2nd Year), and senior students Samad Kausar, Mohtasham Faraz, and Mohammad Shoibab (3rd Year). The newsletter continues to serve as an important platform for fostering academic and technical exchange within the department.

Key Highlight:

ARDUINO BASED STAR AND PLANET TRACKER



Hozaifa Shakeel, Insha Yasfeen Ansari, and Faiz Ahmad Raza participated in the Project Display held from November 20th to 22nd, 2023, during the Innovation Festival at the Regional Science Center, Lucknow. Their Arduino-based star tracker project received significant praise and was even featured in the news. The project was also selected for a financial grant under the Council of Science & Technology, U.P. (CSTUP) - Engineering Students' Project Grant Scheme 2023-24. Additionally, they showcased their project at Integral University, where it was highly commended by the Vice Chancellor, Prof. Javed Musarrat.



This project was completed under the supervision of Dr. Faiyaz Ahmad, Associate Professor in the Department of Computer Science and Engineering. A paper related to their invention was also presented at the 2024 International Conference on Control, Computing, Communication, and Materials (ICCCCM 2024) and published by IEEE.



रात में ग्रहों और तारों दिखेगी साफ तस्वीर

■ **एनवीटी, लखनऊ:** अभियांत्रिकी प्रोजेक्ट अनुदान योजना 2023-24 के तहत शनिवार को नबीउल्लाह रोड स्थित विज्ञान भवन में वीटक अंतिम वर्ष के छात्रों द्वारा बनाये गए 60 प्रोजेक्ट्स की प्रदर्शनी लगाई गई। इंटीग्रल यूनिवर्सिटी के छात्र हुजैफा, इशा और फैज का प्रोजेक्ट एड्रुइनो माइक्रो कंट्रोलर पर आधारित ग्रह एवं तारों के लगातार ट्रैक करने वाला मार्गदर्शक खस्य है।

उत्तर प्रदेश अमेचर एस्ट्रोनामर्स क्लब के मेटर सुमित कुमार श्रीवास्तव ने बताया गया कि अभी भारत में कंप्यूटराइज्ड मार्गदर्शक इमोट किये जाते हैं। यह अपने तरह का नवीनतम और स्वदेशी कंप्यूटराइज्ड मार्गदर्शक का मॉडल है। छात्र हुजैफा ने बताया कि इसको टेलेस्कोप में इस्तेमाल करके रात के समय आकाश में खगोलीय पिंडों को सटीक तरीके से ट्रैक किया जा सकता है। यह मॉडल एस्ट्रो फोटोग्राफी में अच्छी फोटोज लेने के साथ फोटोमैट्री में सहायता के लिए सहर उन पर

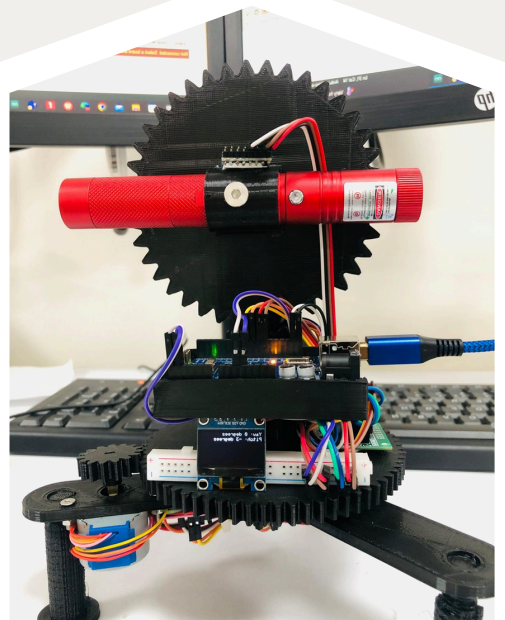


विज्ञान भवन में प्रदर्शनी, इंटीग्रल यूनिवर्सिटी के छात्रों ने प्रदर्शित किया। ग्रहों-तारों को ट्रैक करने वाला मार्गदर्शक अन्धे से रिसर्च करने में सहायता मिलेगी।

इस दौरान प्रोजेक्ट्स के मूल्यांकन के लिए 9 सदस्यीय समिति में विभिन्न तकनीकी संस्थानों के विषय विशेषज्ञों को सम्मिलित किया गया। नवीनता तथा उपयोगिता के आधार पर प्रोजेक्ट्स का मूल्यांकन किया गया। योजना के तहत इस वर्ष 475 प्रोजेक्ट्स प्राप्त हुए थे। जिनमें 60 को 20,000 रुपये के अनुदान के लिए चुना गया।

इन्हें नकल

- अभिनव मोहन यादव ग्रीन सॉल्वेंट के आयन बैटरीज बनाने के लिए फलखरूपो।
- अभिषेक शर्मा और दुर्गिबावित यादव अल्ट्रासोनिक सिस्टम डिवेलप फुरस्कार
- अमित द्विवेदी और लोकेन्द्र



Key Highlight: INTERNATIONAL YOUTH CAMP IN BANGKOK

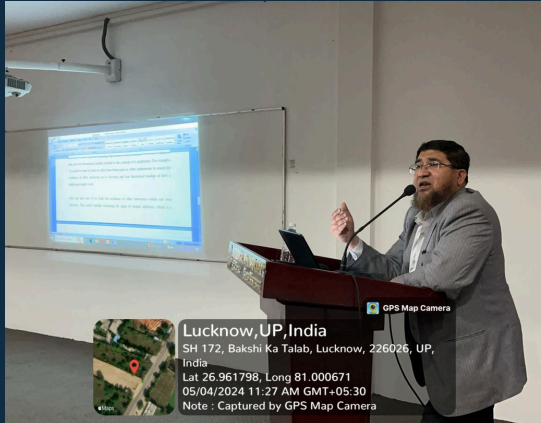


We are excited to share that students from Integral University participated in the International Youth Camp held in Bangkok from April 22nd to April 30th, 2024, organized by Rajamangala University of Technology Rattanakosin (RMUTR). This opportunity was made possible through an MoU initiated by the Directorate of International Affairs in 2023. Three students, Mahwish Siddiqui (BBA - Business Analytics), Kulsoom Zaidi (B.Tech - CSE), and Maryam Fatima (BBA), represented the university with great enthusiasm. Their experience included visits to iconic landmarks such as the Emerald Temple and Nitasrattanakosin Exhibition Hall, as well as learning traditional Thai skills like cooking and fruit carving.

We extend our heartfelt congratulations to these students for their outstanding representation of Integral University on the international stage. Their participation not only highlighted their personal achievements but also reflected the university's dedication to fostering global collaboration and cultural exchange. Their captivating presentation on India's rich heritage and their pride in wearing traditional Indian attire showcased the diversity and unity of our culture to an international audience.



TECHNICAL HIGHLIGHTS



Expert Lecture on X-AI (Explainable Artificial Intelligence) and Generative AI

On May 4th, 2024, the Department of Computer Science and Engineering at Integral University, in collaboration with the Computer Society of India (CSI), Lucknow Chapter, organized an expert lecture on X-AI (Explainable Artificial Intelligence) and Generative AI. The lecture was delivered by Dr. Yazdani Hasan, a distinguished professor from Noida International University, Noida. His in-depth expertise and research provided valuable insights into the future applications of AI technologies. The event covered advanced topics in AI, focusing on the importance of X-AI in ensuring responsible AI development and its potential to address AI bias and fairness. Attendees also gained an understanding of Generative AI models like GANs and their transformative applications across various sectors.

The event attracted a diverse audience of students, faculty, and professionals eager to learn about cutting-edge AI developments. It was organized by Dr. Faiyaz Ahamad, Associate Professor, Mr. Mohd. Usman Khan, and Mr. Anas Habib Zuberi, Assistant Professors from the Department of CSE, along with student coordinators Mohd Danish, Mohd Umar Khan, Danish Kamal, Darakhsha Khan, and Mohd Hussain Siddiqui. The event was hosted by Ms. Anum Kamal, Assistant Professor, and special thanks were extended to Mrs. Kavita Agrawal, Head of the CSE Department, for her guidance and support in making the event a success.



CHUNAUTI 9.0: Challenge Hunt Under NGIS for Advanced Uninhibited Technology Intervention

On May 9, 2024, the Department Placement Committee of Integral University, in collaboration with STPI Lucknow and IEEE Student Chapter, organized an expert lecture titled "CHUNAUTI 9.0: Challenge Hunt Under NGIS for Advanced Uninhibited Technology Intervention" at Hall 2 in the Central Auditorium. The session, held from 12:00 PM to 1:00 PM, aimed to introduce students and aspiring entrepreneurs to the CHUNAUTI 9.0 program, which supports startups working on emerging technologies like AI, IoT, Blockchain, and cybersecurity. Dr. Praveen Dwivedi, Additional Director & Office In-Charge at STPI Lucknow, was the keynote speaker, sharing his expertise on fostering innovation and entrepreneurship. He discussed the program's objectives, selection criteria, and the resources provided to startups, such as funding and mentorship. Dr. Dwivedi also emphasized the role of academic institutions in promoting innovation and potential partnerships between STPI and universities to encourage startup culture. The session, well-received by attendees, inspired many students to explore entrepreneurial ventures. The event, driven by the Department Placement Committee, was coordinated by Ms. Roshan Jahan, with key contributions from Ms. Ambreen Anees and Ms. Saleha Mariyam, highlighting the team's dedication in making the event a success.

REMOTE SENSING AND ITS APPLICATIONS IN RESOURCE MANAGEMENT

On October 9, 2023, the Tech Club, in collaboration with the Computer Applications Department, organized a guest lecture on "Remote Sensing and its Applications in Resource Management" at the Central Auditorium, Integral University, under the guidance of Mrs. Kavita Agarwal and Dr. Shish Ahmad. With around 350 attendees, the event featured Mr. Tasneem Habib, a renowned scientist and former executive director of the Madhya Pradesh Council of Science and Technology, who shared his expertise on the importance of remote sensing in fields like agriculture, disaster management, and urban planning. He explained key concepts such as the electromagnetic spectrum, data acquisition techniques, and showcased real-world applications through case studies, including forest fire detection and crop yield prediction. Mr. Habib also highlighted India's achievements in space exploration, discussing remote sensing contributions from missions like Chandrayaan-1, 2, and 3. The session was a success, enriching students' understanding of the critical role of remote sensing in addressing global challenges and advancing sustainable practices.

“Technology is best when it brings people together.”
– Matt Mullenweg



WORKSHOP ON EXPLORING VIRTUAL LABORATORIES: ENHANCING SCIENCE EDUCATION & RESEARCH

On March 20, 2024, the Department Placement Committee of the Computer Science and Engineering Department at Integral University organized a one-day workshop focused on exploring virtual laboratories. Virtual labs offer students a platform for hands-on learning experiences without physical constraints, enhancing understanding, creativity, and critical thinking. The workshop featured two keynote presentations by Mrs. Suman Tripathi and Mr. Vinay Tripathi, Senior Project Associates at Virtual Labs, IIT Kanpur. Mrs. Suman introduced the concept of virtual labs and their role in teaching, learning, and assessment, while Mr. Vinay demonstrated the operation of virtual labs, providing attendees with practical insights. The event was inaugurated with a welcome address by Mrs. Kavita Agrawal, Head of CSE and Nodal Coordinator for Virtual Labs, and concluded with a vote of thanks by Ms. Roshan Jahan.

The workshop, attended by 220 students, was well-received, with the presentations offering valuable insights into how virtual labs can transform education. Hosted by Ms. Anum Kamal, the event highlighted the importance of virtual labs in modern education. Special thanks were extended to Prof. T. Usmani, Dean of Engineering, and Mrs. Kavita Agarwal for their support and guidance. The success of the event was a result of the dedication of the Department Placement Committee, particularly its coordinator Ms. Roshan Jahan and members Ms. Ambreen Anees and Ms. Saleha Mariyam. Faculty members and students also contributed significantly to the workshop's success.



HACKATHON CODE CLUB



FOR BEGINNER'S

HACKATHON 1.0

On September 29, 2023, the Departmental Placement Committee, in collaboration with the Code Club of the Department of Computer Science and Engineering, organized the "Hackathon Challenge" for beginners. The event aimed to engage students in solving coding problems within a limited time, offering a platform to showcase their programming skills. It featured basic coding questions from various languages such as Python, C, and Java in a Computer-Based Test (CBT) format, ensuring fair and efficient evaluation. With 80 students from all years participating, the hackathon covered a range of programming concepts, allowing participants 45 minutes to answer the problems. The solutions were judged for correctness and efficiency, and top-performing students were awarded E-Certificates after evaluations were completed on October 3, 2023.

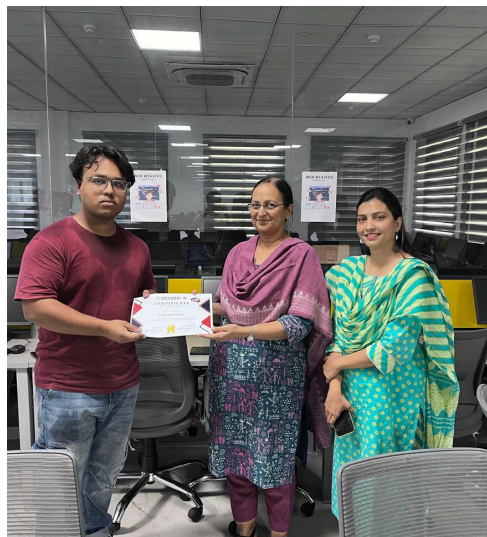
The "Hackathon Challenge" was a tremendous success, promoting healthy competition and providing students with an opportunity to improve their coding skills and learn from the experience. The enthusiasm and talent of the participants highlighted the strong coding culture at Integral University. The event was made possible through the efforts of Mrs. Roshan Jahan (Code Club Advisor and Departmental Placement Coordinator), Ambreen Anees, and club coordinators Aksha Malik, Taha Iftikhar, and Abdul Majid. The organizers look forward to hosting future editions of this challenge to continue fostering and celebrating the coding talent within the university.



HACKATHON 2.0

On November 18, 2023, the Departmental Placement Committee, in collaboration with the Code Club of the Department of Computer Science and Engineering, organized the "Hackathon Challenge - Advanced" to engage students in solving coding problems within a limited time. The event, which focused on a variety of programming languages including Python, C, and Java, was conducted in a Computer-Based Test (CBT) format, ensuring fair evaluation. With 37 participants from various years, the hackathon offered a platform for students to showcase and enhance their coding skills. The top-performing students were awarded E-Certificates. The event, which fostered healthy competition, was a testament to the enthusiasm and talent of Integral University students. Special thanks were extended to Mrs. Roshan Jahan (Code Club Advisor), Ambreen Anees, and club coordinators Aksha Malik, Taha Iftikhar, and Abdul Majid for their contributions to the event's success.

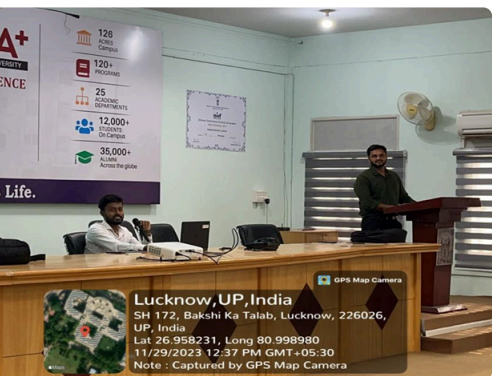
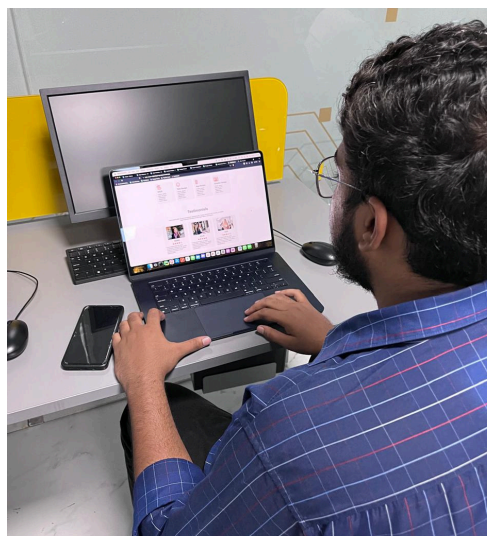




WEB WEAVERS

The Departmental Placement Committee, in collaboration with the Code Club of the Department of Computer Science and Engineering, organized a frontend coding series titled "Web Weavers." This event, aimed at fast learners, provided students with an opportunity to enhance their frontend coding skills in preparation for future placements. The series consisted of various rounds, or "Chapters," with Chapter 1 focusing on the basics of frontend development. Starting on 22nd September 2023, participants were tasked with converting a Figma design into a functional website using frameworks, which they successfully completed by 25th September 2023.

A panel of expert judges evaluated the submissions based on criteria such as design fidelity, responsiveness, code quality, and user experience. Winners were awarded certificates on 10th October 2023. The event not only helped students sharpen their coding skills but also encouraged collaboration and innovation in web development. Special thanks were extended to Mrs. Roshan Jahan, the Code Club Advisor and Departmental Placement Coordinator, along with student coordinators Aksha Malik, Abdul Majid, and Tahia Iftikhar for their efforts in making Web Weavers a success.



LATEST TRENDS AND BEST PRACTICES IN RECURSION IN PROGRAMMING

On 29th November 2023, the Department Placement Committee of the Computer Science and Engineering Department at Integral University, Lucknow, organized an expert lecture titled "Latest Trends and Best Practices in Recursion in Programming" in collaboration with Coding Blocks, a leading Edu Tech company. Held from 11:30 AM to 1:30 PM at the CSE Seminar Hall in Academic Block B, the session aimed to provide students with an advanced understanding of recursion in programming. The lecture focused on the latest trends and best practices in recursion, enhancing students' coding skills and exposing them to techniques that can improve algorithmic efficiency.

The keynote speaker, Mr. Abhigyan Vikram Singh, Director of Coding Blocks, delivered a comprehensive lecture on recursion, explaining key concepts like base cases, tail recursion, and memoization. He demonstrated how these techniques optimize recursive algorithms, reducing inefficiency and preventing stack overflow. The session also included an interactive coding demonstration where students actively participated in solving a complex recursive problem. We extend our gratitude to Mrs. Kavita Agrawal, Head of the Department, for her continuous support and to the event coordinators, Ms. Roshan Jahan, Ms. Saleha Mariyam, and Ms. Ambreen Anees, whose efforts ensured the event's success.

ALUMNI CONNECT AND GUEST LECTURE



On 18th March 2024, the Departmental Placement Committee of the Department of Computer Science and Engineering organized the "Alumni Connect and Guest Lecture" event. The primary goal was to provide students with valuable insights into studying abroad and career placement opportunities. Two distinguished speakers, Mr. Adnan Beg, an alumnus of Integral University and Associate in Global Technical Support at CIENA, and Mr. Prateek Garg, a consultant at Global Reach, shared their experiences and expertise. Mr. Beg discussed his journey from being a student to working in a leading telecommunications company, while Mr. Garg highlighted Global Reach's role in facilitating overseas education, representing over 500 universities worldwide.

The event was attended by 224 students, and the presentations from both speakers significantly expanded their understanding of global career opportunities and studying abroad. The session concluded with a memento presentation by Dr. Shish Ahmed to both speakers as a token of appreciation. Organized by the Department Placement Committee, the event's success was due to the dedication of its coordinator, Ms. Roshan Jahan, and members Ms. Ambreen Anees and Ms. Saleha Mariyam. Special thanks were extended to Ms. Anum Kamal for hosting the event, and to Mrs. Kavita Agrawal, Head of the Department, for her guidance and support throughout.





TRIVIAL FUSION

Integral University's Tech Club, under the guidance of Mrs. Kavita Agarwal, Head of the Computer Science Department, and Dr. Manish Madhav Tripathi, Club Advisor, hosted an engaging event titled "Trivia Fusion" on September 25, 2023. Held in the Central Auditorium Hall No. 3, the quiz competition was exclusively designed for first-year students to spark their passion for technology and motivate them in their academic journey. The event saw active participation from 44 students, eager to showcase their knowledge and skills.

"Trivia Fusion" masterfully combined technology-related questions with general knowledge, challenging students to think critically and expand their horizons. After three intense rounds, including a rapid-fire segment, Team "Quiz Busters" emerged victorious, demonstrating their dedication and composure under pressure. The event not only provided an exciting platform for competition but also motivated students to pursue academic excellence with renewed enthusiasm.



INFO SESSION ON GOOGLE DEVELOPMENT STUDENT CLUBS

The Tech Club of the Department of Computer Science & Engineering at Integral University, Lucknow, conducted an introductory session on the Google Developer Student Club on September 16, 2023. The event was directed by Dr. M. M. Tripathi, with organization by club coordinators Insha Khan, Md. Nehal Akhlaque, Ashish Kumar, and Ruhul Fatima Abdi.

The session introduced students to Google Developer Student Clubs, which are university-based groups promoting the use of Google technologies and open-source tools. There are over 700 such clubs in 110 countries, including India. The event aimed to expose students to cutting-edge technologies through participation in upcoming events like Google's Cloud Study Jam, which focuses on areas like Generative AI and Cloud Computing. More than 100 students attended, engaging actively in the session and discussions.



Cultural Canvas

**"Culture is the widening of the mind and of the spirit."
- Jawaharlal Nehru**

**"Art speaks where words are unable to explain."
- Mathiole**

KAHANI APKI ZUBANI - AN ON-SPOT STORYTELLING COMPETITION

The Arts & Cultural Club of the Department of Computer Science and Engineering, in collaboration with the Department Placement Committee, organized a highly engaging storytelling competition titled "Kahani Aapki Zubani" on November 6, 2023, at Seminar Hall 1, Central Auditorium. The event witnessed the enthusiastic participation of eight teams, showcasing their creativity, expression, and confidence. Participants captivated the audience with their stories, creating an electric atmosphere filled with excitement and applause. Judging was particularly challenging due to the high level of competition, with participants being evaluated on storytelling, expression, and showmanship. The top honors went to Team Riders and Team Tale Weavers.

The event was successfully coordinated by faculty advisors Mrs. Saleha Mariyam and Anum Kamal, along with student coordinators and hosts. Special appreciation was extended to Mrs. Kavita Agrawal, Dr. Sheeba Parveen, and Placement Coordinator Ms. Roshan Jahan for their support. The competition aimed to inspire creativity and imagination, providing a platform for students from the Faculty of Engineering and Information Technology to express their storytelling talents. The jury included esteemed faculty from various departments, ensuring a fair and insightful evaluation of the participants.



SINGING COMPETITION



The Art & Cultural Club of the Department of Computer Science and Engineering, Integral University, organized a "Singing Competition" on October 10, 2023, at Seminar Hall, Academic Block B. The event began with an exciting beatboxing performance by Abdullah Masih and Ali Sarosh, setting a lively tone for the competition. A total of 18 passionate participants showcased their vocal talents, captivating an audience of 124 people with their melodious songs. The atmosphere was electric, with enthusiastic reactions from the audience, who supported their peers with applause and encouragement. The event concluded with a special guest performance by Shuangam and Yohana from BCA. The competition was organized by faculty advisors Mrs. Saleha Mariyam and Ms. Anum Kamal, along with student coordinators Rafiya Siddiqui, Syed Falah Jamal, Altamash Kamal, and Arohan Chaudhary, who worked hard to make the event a success. Special thanks were given to Mrs. Kavita Agrawal, Head of the Department, and Dr. Sheeba Parveen, whose support was instrumental in the smooth execution of the event. The participants were judged on vocals, expressions, and showmanship by jury members Mrs. Roshan Jahan, Mrs. Ankita Srivastava, and Mr. Ijtaba Saleem, who were impressed by the performances.



PAINTING COMPETITION

The Women's Study Center and Women's Grievance Cell, in collaboration with the Arts & Cultural Club of the Department of CSE, Integral University, organized a painting competition on the theme "Health and Wellbeing" on September 22, 2023, as a pre-event for the international seminar on "Lifestyle Diseases: Working Women's Health Priorities and Interventions." The competition encouraged creativity while raising awareness on topics like healthy lifestyles and mental health, with students showcasing their artistic skills. A total of 17 students participated, and the artwork was highly appreciated by the faculty.

Under the mentorship of Ms. Kavita Agrawal and Prof. Ar. Zeba Nisar, the event was coordinated by Dr. Halima Sadia and Ms. Saleha Mariyam, with student coordinators Rafiya Siddiqui, Altamash Kamal, and Subham Pandey. Judges Prof. Zeba Nisar and Ar. Shweta Verma evaluated the entries, and winners were Sumayah (1st), Asrah Saquib (2nd), and Mehvish Ansari (3rd).

"Words are, of course, the most powerful drug used by mankind." – Rudyard Kipling

Scavenger Hunt

On February 14, 2024, the Literary Club of the Active Mind Club organized an engaging Scavenger Hunt, which saw a total of 68 registrations. Participants, competing in pairs, were tasked with completing various challenges within a set time limit. The event was highly competitive, with standout performances from the winning team of Mohd Maaz Siddique and Mohd Maaz Ahmad, both first-year DSAI students. The second position was secured by Irtiqua Miran and Iqra Khan from CSE, while the third place was shared between two groups, one consisting of Mohd Abran Khan and Ehtisham Ali, and the other of Muskan Sharma and Mohd Danish. Close runners-up Zoya Rafey and Iqra Zafar also performed admirably.

The event was successfully managed under the guidance of Mrs. Nudrat Fatima and Ms. Falak Alam, with the help of student coordinators Mohd Ali Raza Khan and Mohd Adnan Talha. The presence of respected faculty members Ms. Nida Khan, Ms. Ummey Habiba, and Mrs. Qudsiya Shahab added to the significance of the occasion. The participants demonstrated great enthusiasm and teamwork, making the event a memorable success.





Extempore

On 2nd September 2023, the Literary Club organized an Extempore event for the 4th-year B.Tech CSE 1 students, with 83 participants speaking on various topics such as politics, scientific achievements, and social issues. Notable performances included Hammad Ahmad on "Globalisation," Khubaib Ahmad on "Chandrayaan 3," Fariha Firoz Khan on "Girls' Education," Pragya Misra on the "Impacts of AI," and Insha Zeeshan on "Privatisation." Each participant showcased excellent skills, receiving constructive feedback from Ms. Nida Khan and Ms. Falak Alam.

The event was smoothly managed by the Literary Club under the guidance of Ms. Nudrat Fatima. The efforts of student coordinators Mohd Adnan Talha and Mohd Ali Raza Khan ensured the event's success.

Group Discussion

On 16th September 2023, the Literary Club organized a Group Discussion event for the 4th-year B.Tech CSE 2 students. A total of six groups, each with three members, discussed various topics ranging from ethical values to scientific advancements. Group 1, consisting of Zeenat Jahan, Afreen Qamar, and Anum Nadeem Ahmad, excelled on the topic "Night Owls vs Early Birds," while Group 2, featuring Jhanvi Verma, Divya Yadav, and Neha Kumari, impressed with their discussion on "Ban on Smartphones in Schools: Good or Bad?" The participants received valuable guidance from Mr. Mohd Usman Khan, and the event was efficiently coordinated by the Literary Club under the leadership of Mrs. Nudrat Fatima and Ms. Falak Alam. Student coordinators Mohd Adnan Talha and Mohd Ali Raza Khan played a key role in the smooth execution of the event.





BATTLE OF WITS

On 7th November 2023, the Literary Club of the Active Mind Club hosted an engaging event titled "Battle of Wits." In this competition, participants embodied various personalities and scenarios, showcasing their intellectual prowess. While all participants gave remarkable performances, the top three distinguished themselves: Mohd Ali Jasim as an Extrovert, Syed Mohd Faiq as a Perfectionist, and Mohammad Shadain as a Narcissist. The event highlighted their creativity and adaptability in handling their assigned roles.

The participants received valuable suggestions from judges Mr. Usman Khan and Mrs. Roshan Jahan. The event was successfully organized under the guidance of faculty members Mrs. Nudrat Fatima, Ms. Falak Alam, and Ms. Nayma Khan, with student coordinators Mohd Adnan Talha and Mohd Ali Raza Khan playing a key role in its smooth execution.

JUST A MINUTE

On November 3, 2023, the Literary Club organized a Just a Minute (JAM) event for the 3rd-year B.Tech CSE 4(D) students. Eight participants engaged in discussions on topics ranging from philosophical values to the significance of education. Standout performances included Yaseen Ali Gazi and Subham Pandey, who shared insights on their favorite movies, while Rafiya Siddiqui explored the topic "Education or Character." The participants received valuable feedback from Ms. Nayma Khan and Ms. Falak Alam.

The event was efficiently managed by the Literary Club under the guidance of Mrs. Nudrat Fatima. Student coordinators Mohd Adnan Talha and Mohd Ali Raza Khan contributed to the event's successful coordination.



Lights, Camera, Action!

"Cinema is a matter of what's in the frame and what's out." – Martin Scorsese

INTRODUCTION TO CINEMA AND FILMMAKING

On 29th November 2023, the Film Club organized an inspiring event titled "Introduction to Cinema and Filmmaking" for B.Tech CSE students at LT-6. The seminar delved into various aspects of filmmaking, including storytelling and cinematography, sparking creativity and passion among the participants. The educational objectives were met, and the top two scorers will be awarded certificates for their exceptional performances.

The seminar was conducted by Film Club Coordinator Shashwat Dwivedi, along with Aman Verma and Abdullah Masih, offering attendees a remarkable insight into the world of cinema. The event was skillfully guided by Ms. Falak Alam (Film Club Advisor) and Dr. Sheeba Parveen (Club Coordinator), with the support of student coordinators Shashwat Dwivedi, Abdullah Masih, and Aman Verma.



Frame Tales

On 2nd December 2023, the Film Club organized an innovative event titled "Frame Tales" for B.Tech CSE students at NLT 16. The event creatively combined photography and storytelling, encouraging students to express narratives through their captured images. While all participants delivered impressive performances, standout contributions included Faisal Umar's "Lake," Mohd Kashif Siddiqui's "Cats," and Iqra Khan's captivating image of the "Moon." Student coordinators Shashwat Dwivedi and Abdullah Masih provided valuable suggestions to participants.

The event was expertly coordinated by the Film Club under the guidance of Ms. Falak Alam (Club Advisor) and Dr. Sheeba Praveen (Club Convener), with support from student coordinators Shashwat Dwivedi, Abdullah Masih, and Aman Verma.



Spotlight - Reel Competition

On February 7th, 2024, the Film Club hosted "The Spotlight - Reel Competition" for B.Tech CSE students at Academic Block B (LT-6). With 10 participants showcasing their videography, editing, and storytelling skills through reels based on specific themes, the competition was highly engaging. Asif Ahmed from 1st year B.Tech (CSE2) secured the first position, while Mohd Kashif Siddiqui from 1st year B.Tech (DSAI-B) claimed second place. Judges Dr. Faiyaz Ahamad, Dr. Akbar Shaun, Dr. Sheeba Parveen, and Dr. Halima Sadia were impressed by the exceptional talent displayed.

The top two scorers will be awarded certificates for their outstanding performances. The event was expertly managed by the Film Club under the guidance of Ms. Falak Alam (Film Club Advisor) and Dr. Sheeba Parveen (Club Convener), with the support of student coordinators Shashwat Dwivedi, Abdullah Masih, and Aman Verma.

HEARTS IN ACTION

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"No one has ever become poor by giving." - Anne Frank

DIGITAL SAKSHARTA MISSION



The Social Responsibility Club of the Computer Science Engineering department, in association with IUNSS and JIO AirFiber, conducted the "Digital Saksharta Mission" on February 14, 2024, at Paikaramau Gram to educate villagers on essential digital services. The program aimed to empower participants by teaching them to utilize technology for tasks like applying for Aadhaar, PAN, and Voter ID cards, accessing banking services, and introducing them to Jio Fiber 5G technology. Villagers received hands-on training in online applications, ensuring they could perform these tasks independently.

Key activities included guiding villagers through the online application and correction processes for Aadhaar, PAN, and Voter ID cards, explaining the importance of these identity documents for government services and financial transactions. The program also covered banking services, showing participants how to open bank accounts and update KYC both online and offline. The final session introduced the benefits of Jio Fiber 5G technology, emphasizing its potential to improve connectivity. The success of this event was driven by efforts from faculty advisor Dr. M. Akbar, Mrs. Kavita Agrawal, and the student coordinators. The initiative fostered digital inclusion and community development, equipping the villagers with valuable skills.



DONATION DRIVE

The Social Responsibility Club of the Computer Science Engineering Department, in collaboration with the NGO "PYS Foundation," conducted a Cloth Distribution Drive to support the underprivileged as winter approached. From December 1 to 31, 2023, the initiative was widely promoted on campus through social media and posters, resulting in an overwhelming response from the university community. Collection bins were placed across the campus, and generous donations of clothing were received. Volunteers carefully sorted the donated items to ensure recipients received age-appropriate and season-specific clothing.

On February 1, 2024, the collected clothes were distributed to over 75 marginalized individuals, including orphans, widows, the elderly, and those living in slums and asylums in the Munshipuliya area. This initiative, guided by faculty adviser Dr. M. Akbar Shaun and coordinated by student leaders M. I. Khan and Mr. Hammad Ahmad, was a resounding success. It not only provided essential clothing to those in need but also fostered empathy and social responsibility among participants. The drive underscored the power of community efforts in addressing social challenges and highlighted the importance of sustaining such initiatives for a more equitable society.



VOTERS AWARENESS PROGRAM

It is with great pleasure that we present the report on the "Voter Awareness Program" conducted by the Social Responsibility Club, Department of CSE, on March 22, 2024. Themed "मेरा पहला वोट, देश के लिए..." (My First Vote for the Nation), the program aimed to educate and encourage students, faculty, and staff about the importance of voting and understanding the electoral process. The event was held online at 4:00 pm, using an interactive quiz format that covered both general and specific knowledge about voting, civic duties, and legal rulings. Participants were encouraged to take a pledge to vote and fulfill their civic responsibilities.

A total of 150 individuals registered for the event, with 115 actively participating in the quiz. The program's interactive approach engaged participants effectively, and all participants received a "Certificate of Pledge" from the Election Commission of India's SVEEP portal, signifying their commitment to voting. The event, guided by faculty advisor Dr. M. Akbar Shaun and coordinated by Zavil Huda and Abdullah Noor, was a resounding success. It contributed to enhancing civic awareness and empowering participants to engage in the democratic process, ultimately fostering a more informed electorate.



Distribution of Collection (Donated Clothes)

2nd iteration of Collection (Donated Clothes)



Preparation of Donation Drive Posters and Collection Bins



Donation Camp-1 at Munshipuliya

Clothes Distribution in the vicinity of Munshipuliya



Donation Drive Camp-2

Clothes Distribution Camp-2



STUDENT POLICE EXPERIENTIAL LEARNING (SPEL) PROGRAM OVERVIEW

Duration: November 1st – November 30th, 2024

Location: Various police stations in Lucknow, Uttar Pradesh



The Student Police Experiential Learning (SPEL) program, organized by the Computer Science and Engineering (CSE) department of Integral University in collaboration with the UP Police Service, provided NSS Volunteers with practical insights into law enforcement operations. Participants spent time at police stations, learning about crime investigation processes and how officers address serious cases. Early in the program, students were introduced to specialized departments, including cybercrime units and the establishment of pink booths for women's safety, along with the process of filing an FIR.

As the program progressed, students explored law enforcement strategies, including crowd control techniques and emergency response systems, gaining hands-on experience at locations like Tedhipulia Chauraha. Through practical demonstrations and interactions with police professionals, students acquired valuable skills and knowledge about maintaining public safety and order. In total, 20 NSS volunteers from the Computer Science and Forensic Science departments benefited from this training under the supervision of Dr. Sheeba Praveen, Associate Professor and NSS Program Officer at Integral University. Overall, the SPEL program enriched students' understanding of law enforcement roles and responsibilities, contributing to their academic and professional growth in public safety.

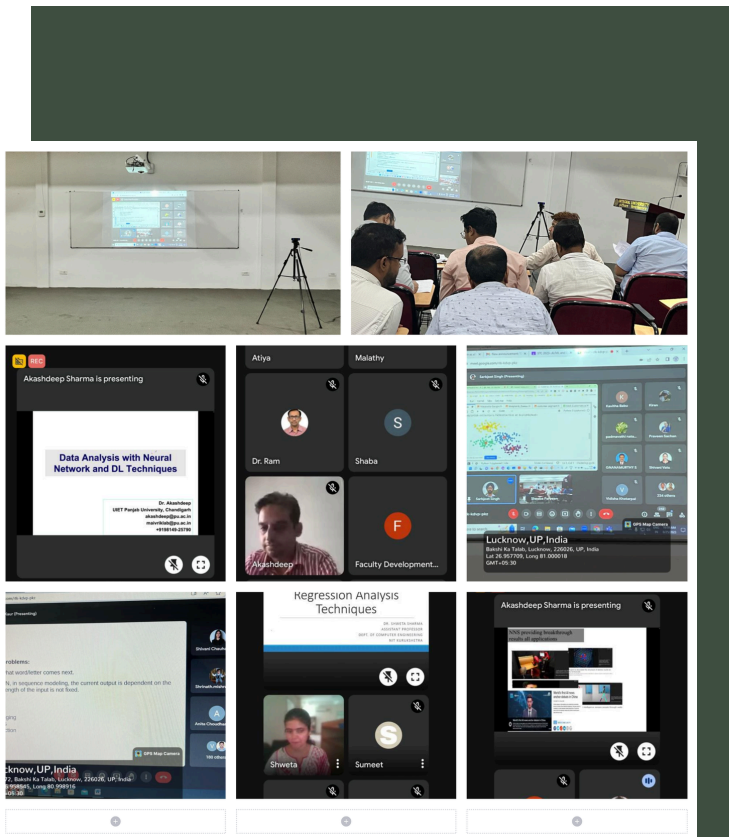
Department of CSE

AI/ML and Data Science for Industry 4.0 (Basic Level)

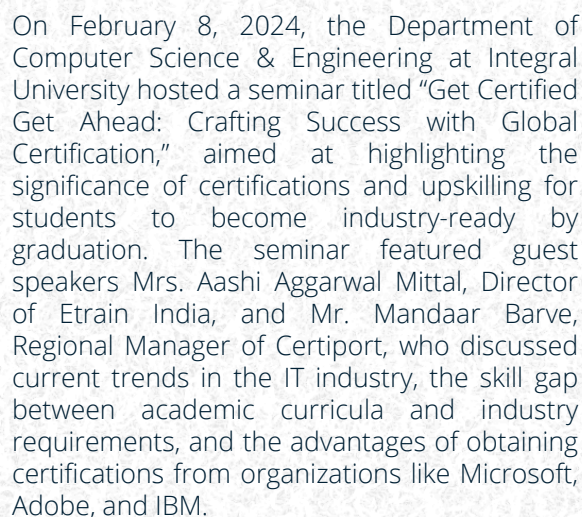


The Human Resource Development Centre (HRDC) at Integral University organized a one-week AICTE-recognized Short Term Course (STC) on "AI/ML and Data Science for Industry 4.0 (Basic Level)" from August 21 to 25, 2023, in collaboration with NITTTR, Chandigarh. This course aimed to equip participants with foundational knowledge and practical skills in AI, machine learning, and data science, along with insights into Industry 4.0 applications. A total of 15 technical sessions were conducted by expert speakers, covering topics such as Python programming, exploratory data analysis, supervised and unsupervised machine learning techniques, and deep learning.

Throughout the course, participants engaged with industry-relevant content and received hands-on experience, culminating in certification and networking opportunities. The program was well-received, benefiting 14 participants who appreciated the practical insights and foundational skills acquired. Integral University was commended for its active participation, and the event was coordinated by Dr. Sheeba Praveen and supported by Mr. Mohd Arif Ali Usmani from the Department of Computer Science and Engineering, enhancing the participants' readiness to contribute to advancements in Industry 4.0.



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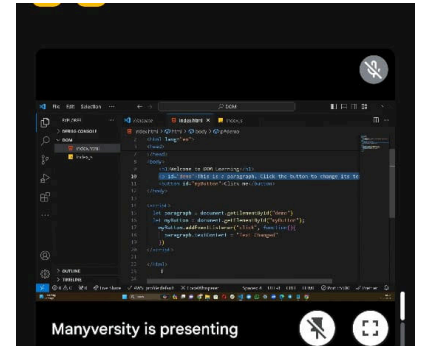
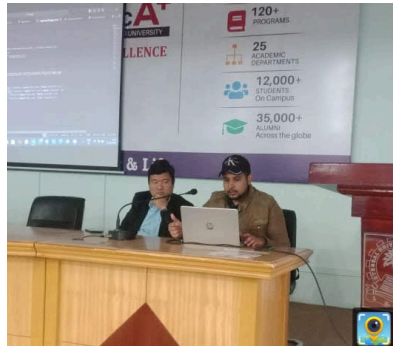


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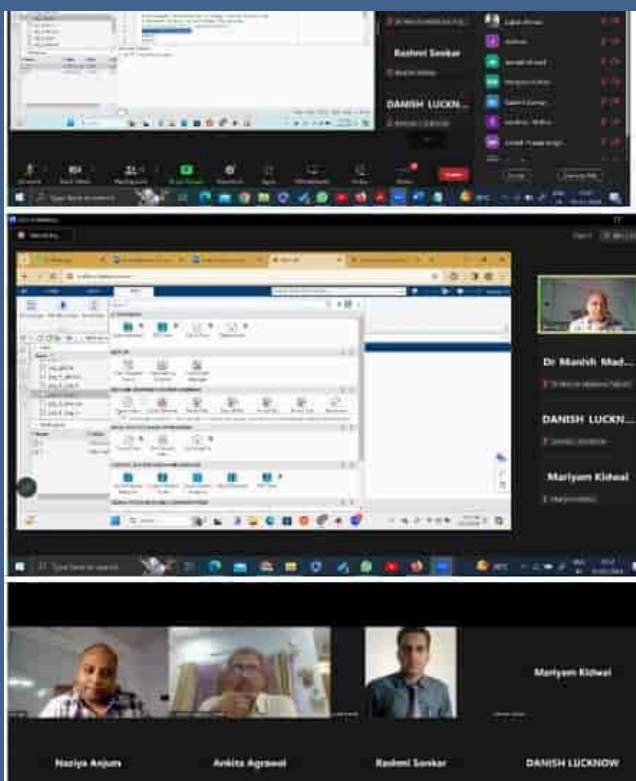


VALUE- ADDED COURSE CSV-23-03: HTML, CSS AND JAVASCRIPT / WEB DEVELOPMENT

The Department of Computer Science and Engineering (CSE) at Integral University, Lucknow, organized a two-week value-added course titled "HTML, CSS, and JavaScript / Web Development" from February 2 to February 18, 2024, conducted in hybrid mode with 30 hours of active engagement. Aimed at enhancing participants' understanding of web technologies and preparing them for industry demands, the course covered essential topics such as HTML, CSS, JavaScript, and the React JS framework, along with responsive design practices and various web development tools. Under the guidance of Ms. Kavita Agrawal, the course was organized by Dr. Halima Sadia, with content developed by Mr. Shabi Ata Khan from One Big Bit Technologies, and training provided by Mr. Shekhar Joshi. A total of 283 second-year B.Tech students successfully completed the course, receiving E-Certificates based on attendance, assignment submissions, and performance in offline sessions, all coordinated by faculty members Ms. Nudrat Fatima, Ms. Ummey Habiba, Mr. Mohd Aalam, and Ms. Shara Fatima.



STC CUM FDP ON MATLAB: AN APPLICATION TO AI



The Faculty Development Program (FDP) titled "One Week STC Cum FDP on MATLAB: An Application to AI," organized by the Department of Computer Science & Engineering at Integral University from March 12 to March 16, 2024, successfully attracted 57 participants. Conducted in a hybrid format, the program featured hands-on sessions led by Mr. Anurag Banoudha, Director of Ebrains Techno Solutions Pvt Ltd and an alumnus of IISc Bangalore. The curriculum spanned five days, covering arithmetic operations and elementary math functions, creating and addressing 1D and 2D arrays, performing mathematical operations with arrays, editing and running program scripts, and utilizing the AI toolbox in MATLAB. The program facilitated active engagement and interaction between speakers and attendees, highlighting its effectiveness in fostering a culture of continuous learning within the CSE community. The leadership of Dr. Manish, Dr. Shish, and Mrs. Kavita Agrawal was instrumental in achieving the program's educational objectives and ensuring its overall success.

EDUCATIONAL TOUR: VISIT TO CHANDIGARH & MANALI

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Chandigarh

Reminder

Travel more often
and don't overthink it

I agree

MANALI

It is with great pleasure that we share the report on the educational tour to Chandigarh and Manali, organized for 66 B.Tech (CSE) students, accompanied by four faculty members from the Department of Computer Science & Engineering. Led by Dr. Mohd Suaib, Dr. Mohd Akbar, Ms. Nida Khan, and Mr. Maruti Maurya, the tour took place from January 14 to January 20, 2024, during the winter vacation. The purpose of the tour was to enhance the students' practical knowledge and provide industry insights alongside recreational activities.

The tour began with a visit to CDAC in Chandigarh, where students learned about cutting-edge IT technologies in healthcare and academics. This was followed by an excursion to Kullu, where students participated in rafting and paragliding, fostering teamwork. In Manali, they explored Mall Road and experienced activities like zip-lining in Solang Valley. A visit to Koksar Snow-point offered a unique snow-filled experience.

The tour successfully met its objectives, offering practical insights, promoting team spirit, and contributing to the students' personal and academic growth.

ON THE WAY TO MANALI



VISIT AT KULLU SITE





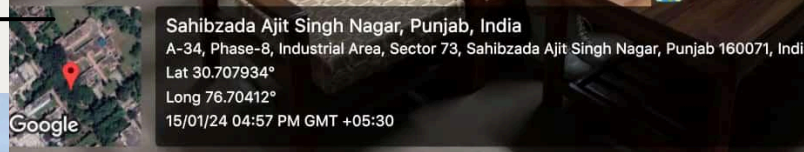
STUDENT VISIT TO CDAC, CHANDIGARH



**Faculty Members with
CADAC Officials**



**Technical Session at
CDAC, Chandigarh**



**Visit to Manali (Mall
Road)**

TECH TALK: STUDENT INSIGHTS

“

30

"The future is not something we enter. The future is something we create."

- Leonard I. Sweet

DEVIN AI: THE AUTONOMOUS SOFTWARE ENGINEER

Devin AI, an artificial intelligence software, which alters the way code is debugged, written and deployed has been launched by US-based startup Cognition. It is a first of its kind and has the ability of taking a simple command and turning it into a functioning website or software program. The AI assistant has successfully passed several practical engineering interviews from the leading AI companies and has also completed real jobs on the freelancing platform Upwork.

It is the third most popular and trending in the market topic along with SORA and ChatGpt, it's launch has risked thousands of jobs during the recession period of IT industry, it has just joined up the flow of Artificial Intelligence in the market.

Written By:
Mohammad Avaish Khan
2nd Year



COPILOT AI

Launched on February 7, 2023, Microsoft Copilot is a conversational AI chatbot designed as a personal and business assistant for creating, collaborating, and selling through natural language and image generation. Aiming for a unified user experience across Bing, Edge, Microsoft 365, and Windows, Copilot generates text, images, and code on command, powered by advanced technologies like OpenAI's ChatGPT (GPT-4) and DALL-E 3, alongside Microsoft's proprietary innovations. Accessible via its website, Copilot utilizes a mix of AI models, including Bing's web scraping and Microsoft's Natural Language Processing, backed by extensive cloud-stored training data. For enhanced capabilities, Microsoft offers Copilot Pro, a premium subscription version that boosts performance and integrates seamlessly with Office applications such as Word, Excel, and Outlook. Available in 222 countries, including India, Copilot Pro is priced at Rs 2,000 per user per month and includes a one-month free trial through the mobile app on iOS and Android, allowing users to access advanced AI features within Microsoft 365 apps without needing an additional subscription.

Written by:
Md. Saad Bin Rizvi
2nd Year



TIRED OF THE REAL WORLD? ESCAPE TO THE METAVERSE WITH SPECIAL GLASSES!

Say goodbye to jet lag and FOMO (fear of missing out)! The Metaverse is here, and it's not just for gamers. Imagine a 3D virtual world where you work, play, and connect with your crew – all as awesome avatars. Think social media on hyperdrive, but way more interactive! Here's the game-changer: special glasses (AR) can make virtual dragons soar through your park, or let you attend a holographic meeting with colleagues beamed right next to you, no matter the distance!

The Metaverse is a playground of possibilities. Imagine dissecting a virtual frog in class, trying on clothes before you buy them, or exploring the pyramids from your living room! It's still under construction, but the future is looking virtual. Buckle up, the Digiverse beckons!

Special Note: While the Metaverse offers exciting possibilities, it's important to consider how we navigate this new world responsibly. Ensuring equitable access, fostering healthy online interactions, and maintaining a connection to the real world will be crucial as we build this virtual future together.

Written by:
Fraz Ahamad Haidry
2nd Year



Devin AI, developed by the startup Cognition, is an advanced artificial intelligence system designed to understand human emotions through Natural Language Processing (NLP) and Machine Learning (ML) algorithms. It analyzes speech and behavioral patterns, allowing it to interpret the tone and context of conversations and respond appropriately by detecting emotions such as happiness, sadness, anger, and frustration. While the specifics of its training are not publicly disclosed, Devin likely employs a combination of techniques, including machine learning algorithms to learn from extensive software development data and large language models similar to Gemini and ChatGPT for interpreting natural language instructions and translating them into actionable code. Devin AI's capabilities include writing complete source code, debugging existing code by identifying errors, planning and executing complex software development tasks, building and deploying entire applications, and even training and fine-tuning its own AI models, making it a versatile tool that enhances productivity and efficiency for software engineers.

Written By:
Md Arfakshad
2nd Year

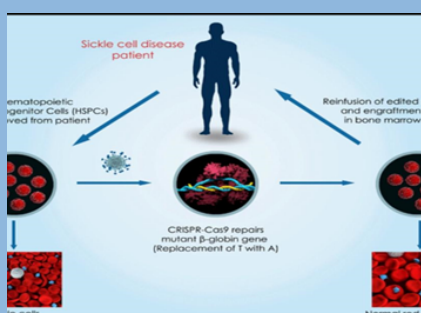


Devin AI
- World's First
AI Software Engineer

THE POWER OF CLOUD COMPUTING

Cloud computing has emerged as a leading technology trend in 2023-24, enabling users to store and access data and programs on remote servers rather than relying solely on local hard drives or servers. This data is maintained on physical servers operated by cloud service providers, with Amazon Web Services (AWS), Microsoft Azure, and Google Cloud Platform (GCP) being the prominent players in the industry. Cloud computing encompasses various deployment models, including public, private, and hybrid clouds, offering numerous advantages such as scalability and flexibility to adjust resources as needed, cost-efficiency through pay-as-you-go pricing, and accessibility from anywhere with an internet connection. Additionally, it ensures reliability with multiple data centers, robust security measures like encryption, automatic updates and maintenance, elasticity to adapt quickly to changing demand, built-in disaster recovery solutions, and access to innovative technologies that seamlessly integrate with existing systems.

Written By:
Salman Ali
3rd Year



FDA APPROVES INNOVATIVE GENE THERAPIES FOR SICKLE CELL DISEASE

The U.S. Food and Drug Administration has approved two groundbreaking treatments, Casgevy and Lyfgenia, as the first cell-based gene therapies for sickle cell disease (SCD) in patients aged 12 and older. Casgevy is notable for being the first FDA-approved treatment to utilize innovative genome editing technology. Sickle cell disease, a hereditary disorder affecting about 100,000 people in the U.S., primarily impacts African Americans and, to a lesser extent, Hispanic Americans. This condition is caused by a mutation in hemoglobin, resulting in crescent-shaped red blood cells that impede blood flow and oxygen delivery, leading to severe pain and organ damage during vaso-occlusive events (VOEs). Lyfgenia uses a lentiviral vector to genetically modify blood stem cells, enabling the production of HbAT87Q, a hemoglobin that reduces the risk of sickling, thus providing a promising treatment option for affected patients.

Written By:
Mohammad Atif
2nd Year



Apple Vision Pro

Apple's brand new mixed-reality headset, the Apple Vision Pro, promises to revolutionize how we interact with the digital world. Launched in February 2024, it overlays digital content onto the physical environment, allowing you to browse the web, watch movies on a giant virtual screen, or even collaborate with colleagues in a virtual space – all controlled with eyes, hands, and voice gestures. With its high-resolution displays, spatial audio, and advanced cameras, Apple Vision Pro aims to usher in a new era of spatial computing.

Written By:
 Mohammad Shoib
 4th Year



Landing of Chandrayan 3: India became the first to land on moon South pole

India achieved a historic milestone with the successful landing of the Lander Module of ISRO's third lunar mission, Chandrayaan-3, on August 23, 2023. Launched on July 14, 2022, this mission made India the first country to land near the Moon's south pole and only the fourth nation to achieve a soft landing on the lunar surface, following the USSR, the U.S., and China. Prime Minister Modi congratulated the ISRO team, emphasizing that this accomplishment symbolizes a shared human endeavor, stating, "Our approach of one earth, one family one future is resonating across the globe."

The Vikram lander, which carried the Pragyan rover, touched down at precisely 6:03 p.m., prompting celebrations at the ISRO Telemetry, Tracking, and Command Network (ISTRAC) in Bengaluru. The Pragyan rover conducted significant scientific experiments, analyzing the Moon's surface composition and searching for signs of water ice deposits. This mission not only highlights India's expanding capabilities in space exploration but also paves the way for future lunar missions and international collaborations aimed at uncovering the Moon's mysteries.

Written By:
 Mohtasham Faraz
 4th Year



Google turns off Third-party Cookies

In response to increasing pressure from privacy-conscious users, Google has started phasing out third-party cookies in its Chrome browser, with a complete elimination planned by Q3 of 2024. Initially, cookies for 30 million users have been disabled, representing just 1% of the total user base. While Google has encouraged advertisers to adopt more privacy-focused strategies, many have yet to make the shift. The impending removal of third-party cookies is likely to prompt significant changes in advertising practices, urging advertisers to consider Google's Privacy Sandbox, which processes user data on-device and sends only anonymized signals to advertisers. This approach aims to maintain ad relevance while prioritizing individual privacy, compelling advertisers to quickly adjust their strategies to avoid potential losses.

Written By:
 Samad Kausar
 4th Year

CAREER ACHIEVERS



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**Mohammad
Arish Siddiqui**

B.Tech CSE 2024 Batch

**We're thrilled to announce Mohammad Arish Siddiqui's
Placement at Mobility 4 Public Safety, Texas, USA!**

His talent and dedication have earned him this
placement, along with praise for his skills through
various certifications. More power to you!

Mobility **20 LPA**
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Congratulations and best wishes for a great future

16 students of 2024 batch selected by



Digital Profile @INR 7.0 LPA

Ninja Profile @INR 3.36 LPA



MD. JUNAID ALI ANWAR
B.TECH CSE



MOHAMMAD SHOAIB
B.TECH CSE



MOHD MUSTAFA TAQI
MCA



NASHRA FARID
B.TECH CSE



ALIZA RAZI
B.TECH CSE



AHZAM NASEEM KIDWAI
B.TECH CSE



AMAAN HAIDER KHAN
B.TECH CSE



KHUBAIB AHMAD
B.TECH CSE



ABDUR RAHMAN
B.TECH CSE



ANIKET SINGH
MCA



MOHAMMAD ALI
B.TECH CSE



FARHAN KHAN
MCA



INSHA ZEESHAN
B.TECH CSE



SAMAN ABID
B.TECH CSE



MOHTASHAM FARAZ
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EBRAHIM AFRIDI
B.TECH CSE



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Nine Students of the Computer Science and Engineering 2024 batch for getting selected in

HCLTech



Insha Hasan



Insha Yashfeen Ansari



Hasnain Ullah Khan



Nashra Farid



Mohd Belal Naim



Pragya Mishra



Gazi Siddiqui



Insha Zeeshan



Mohd Faraz Siddiqui

Best wishes for a great future

"The future belongs to those who believe in the beauty of their dreams."– Eleanor Roosevelt

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Summaiya Haider
B.Tech CSE 2024
Accenture


Integral University is proud of her achievement
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Mohd Suhaib Siddiqui
B.Tech CSE
2024 Batch
Accenture


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& wishes him the best for his future endeavors!

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SEED MONEY GRANT FOR RESEARCH TO DR. SHEEBA PARVEEN, ASSISTANT PROFESSOR, DEPT. OF COMPUTER SCIENCE AND ENGINEERING.

Seed Money Project titled 'Harvesting Sustainability: GreenTech for Hydroponic Farming with Waste Water Management' , has been sanctioned to the Department of Computer Science and engineering in 2024 with the amount of 1,50,000.

Name of the PI	Department	Project Title	Amount
Dr. Sheeba Parveen	Computer Science & Engineering	Harvesting Sustainability: <u>GreenTech</u> for Hydroponic Farming with Waste Water Management	1,50,000



GERMAN INTERN ISABEL RITTER JOINS CSE DEPARTMENT FOR DAAD RISE FELLOWSHIP PROJECT UNDER THE SUPERVISION OF DR. ROSHAN JAHAN



This research, conducted under the DAAD-RISE fellowship in Germany in 2023, focuses on developing a Parallel Convolutional Neural Network (CNN) approach for detecting brain tumors in functional Magnetic Resonance Imaging (fMRI) images. fMRI tracks changes in blood flow linked to brain activity, commonly used for assessing brain functions, evaluating stroke impacts, and guiding treatments. The study was led by Dr. Roshan Jahan from Integral University in collaboration with Isabel Ritter from Universität Osnabrück, Germany, to develop an advanced algorithm capable of identifying tumors in fMRI scans using a Parallel CNN approach.

Brain tumors, which can affect individuals across all ages and backgrounds, are associated with symptoms like headaches, cognitive difficulties, and convulsions, and may lead to sudden death in severe cases. This research aims to address early detection challenges through its innovative algorithm, which underwent rigorous testing using regression analysis. Achieving a remarkable efficiency rate of 97.86%, the algorithm shows promise as a reliable tool for clinical applications, offering significant potential for early tumor detection and improved treatment outcomes.



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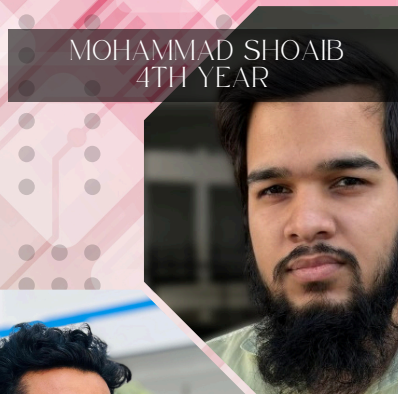
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