

# Dr. Halima Sadia

22 January 2023

- Associate Professor Computer Sc. & Engg.
- 18 years of Teaching & Research Experience



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## PROFILE SUMMARY

Associate professor with 18 years of academic and research experience at undergraduate and graduate level courses of computer science & engineering. I am committed to promoting an inclusive and engaging learning environment that fosters critical thinking and intellectual curiosity. I am passionate about my work, and dedicated towards contributing to the academic community through service and professional development. My areas of research writing and presentations revolve around requirement engineering, blockchain in healthcare sector, and cyber.

## EDUCATION

- **2021** Doctor of Philosophy (Ph.D.), Dr. A.P.J. Abdul Kalam Technical University, Lucknow
- **2013** M.Tech. (CSE) from Integral University, Lucknow, 79% marks
- **2006** B.Tech. (IT) from Uttar Pradesh Technical University (UPTU), Lucknow, 71.5% marks
- **2003** Diploma in Computer Engineering from Aligarh Muslim University, Aligarh, 73.08%
- **2000** High School from I.C.S.E Board, 82% marks.

## PROFESSIONAL EXPERIENCE

### Associate Professor | Integral University

- Associate Professor - Integral University, Lucknow  
*22<sup>nd</sup> March 2023 – current*
- Assistant Professor - Integral University, Lucknow  
*1<sup>st</sup> August 2012 – 21<sup>st</sup> March 2023*
- Sr. Lecturer - Integral University  
*1<sup>st</sup> August 2010 - 30<sup>th</sup> September 2012*
- Lecturer - Integral University, Lucknow  
*3<sup>rd</sup> July 2006 – 30<sup>th</sup> September 2010*

## KEY COMPETENCIES

- Curriculum design, development and implementation: defining clear, concise learning methodologies through university LMS
- Teaching skills: deliver effective lecture, tracking student performance, assignments, attendance, quizzes & test scores, and real-time progress monitoring
- Communication and interpersonal skills
- Continued professional development
- Leadership & management skills

## SKILLS & ABILITIES

- Languages: C, HTML, SQL
- Courses Taught: DBMS, Distributed OS, Computer Graphics, Advance Databases
- Teaching and supervision
- Academic communication and classroom effectiveness
- MOODLE LMS

## KEY ACCOMPLISHMENTS

- **Nominated as Session Chair** for ICACIA-2023, Koneru Lakshmaiah Education Foundation (Deemed to be University), Hyderabad (KLH), Telangana State, India-500075
- **Nominated as Member:** guest hosting committee, FIESTA 2023
- **Nominated as Member:** alumni committee for 14<sup>th</sup> Convocation of the Integral University
- **Nominated as Member Secretary** Women Study Center, Integral University (Ref.No.IU/RO/GA/Notification/W.S.C/2022/75)
- **Nominated as Criteria-1 Incharge** for NAAC related criterion (Ref.IU/IQAC/OO/NAAC/02)
- **Nominated as Vice-President:** Alumni Welfare Association of Integral University (AWAIU), Integral University
- **DQAC Member Secretary** for Computer Sc. & Engineering Department 2020-23
- **Nominated as Session Chair** for Track: Secure Software Systems in 1<sup>st</sup> International Conference on “Emerging Trends in Technology & its Impact on Law (ETTIL-2022)” organized by Department of Law in collaboration with Department of Computer Application, Integral University, Lucknow from 29<sup>th</sup> – 30<sup>th</sup> March 2022
- **Coordinator:** Value Added Course on CSV-02 Ethical Hacking (Run-2) and Value Added Course on CSV-02 Ethical Hacking (Run-1) organized by DQAC, Department of Computer Sc. & Engineering, Integral University, Lucknow
- **Nominated as Member:** Reception Committee for 13<sup>th</sup> Convocation of the Integral University
- **Nominated as Coordinator** for Trainer’s Capacity Building: Train the Trainer (TTT) program for BOSCH – Integral-Industry Academia Collaboration (IACL): University Subject Matter Experts Program from March, 2021 onwards
- **Nominated as Session Chair** for International Symposium on “Recent Advancements in Information and Communication Technologies (RAICT2020)” organized by Department of Computer Application, Integral University, Lucknow from 5<sup>th</sup>-7<sup>th</sup> November 2020
- **Reviewer:** European Alliance for Innovation (EAI) from November 2020

- **Nominated as Sub-Committee Member** for NAAC Cycle-2 from November, 2020 onwards
- **Reviewer:** Software Science and Computational Intelligence (IJSSCI), September, 2020 onwards
- **Nominated as Judge** for National Level e-Poster Presentation Competition on “The Pivotal Role of ICT in COVID-19 Pandemic” organized by Department of Computer Application, Integral University, Lucknow under the aegis of the Indian Society for Technical Education (ISTE) on 30<sup>th</sup> September 2020
- **Nominated as Sub-Committee member** for NAAC Cycle-1 from September 2019 - November 2020
- **Coordinator:** One Week Online FDP on “Advanced Research Trends of Satellite Image processing in Land Surface Monitoring” by Advanced Computing Research Lab, Department of Computer Application, Integral University, Lucknow from 24<sup>th</sup> - 28<sup>th</sup> August 2020
- **Nominated as a Trainer** for four days training program 'Train the Trainer' for training faculty members on new Learning Management System (LMS) from 10<sup>th</sup> - 13<sup>th</sup> August 2020
- **Coordinator:** National Level E-Quiz on “Plagiarism Awareness- Research & Academic Ethics” on 21<sup>st</sup> July 2020
- **Invited Talk:** delivered Webinar on “Emerging Trends in Computing Technology, Engineering & Research” organized by the University Women’s Polytechnic, AMU, Aligarh on 4<sup>th</sup> July 2020
- **Coordinator:** One Week online FDP on “Moodle: Learning Management System” by Department of Computer Application, Integral University, Lucknow in association with Spoken Tutorial Project, IIT Bombay-Pandit Madan Mohan Malviya National Mission on Teachers and Teaching (PMMMNMIT) from 16<sup>th</sup> - 20<sup>th</sup> May 2020
- **Coordinator:** One Week FDP (Online) on “R-Programming Language” organized by Department of Computer Application under the aegis of Human Resource Development Center (HRDC) Integral University, Lucknow in association with Spoken Tutorial Project, IIT Bombay from 11<sup>th</sup> - 15<sup>th</sup> May, 2020
- **Member, Organizing Committee:** Third International conference on Academic Science and Engineering (ICASAE-2020), 14<sup>th</sup> - 15<sup>th</sup> February 2020 in Punjab
- **Member, Organizing Committee:** International Conference on Technological Innovations in Engineering and Management (ICTIEM-20), 20<sup>th</sup>-21<sup>st</sup> March 2020, Noida, Uttar Pradesh
- **Coordinator:** One Week Workshop on “Information & Communication Technology Awareness” from 9<sup>th</sup> - 14<sup>th</sup> September 2019
- **Coordinator:** One Week FDP on “Research Oriented Project Work” from 5<sup>th</sup> - 9<sup>th</sup> August 2019 at Integral University, Lucknow
- **Among the Top 5 Performers:** “Teaching Skills and Communication Development Programme” conducted by Maxel Learning Pvt. Ltd. from 3<sup>rd</sup> - 20<sup>th</sup> July 2019
- **Coordinator:** One Week STC on “Project Work Planning and Execution through ICT” from 8<sup>th</sup>-10<sup>th</sup> October, 2018 at Integral University, Lucknow
- **Editorial Board Member, ACEIT-18:** Two Day International Conference on “Advancement in Computer Engineering & Information Technology” on 6<sup>th</sup> - 7<sup>th</sup> April, 2018, Integral University
- **Organizing Member, ACEIT-18:** Two Day International Conference on “Advancement in Computer Engineering & Information Technology” on 6<sup>th</sup> - 7<sup>th</sup> April, 2018, Integral University

- **Coordinator:** One Week STC on “Faculty Development Planning and Management” from 12<sup>th</sup> -16<sup>th</sup> March, 2018 at Integral University, Lucknow
- **Session Chair :** One day International Seminar on “Modern Trends in Engineering & Sciences” on 3<sup>rd</sup> August, 2017, HRDC Integral University
- **Coordinator:** One Week STC on “Artificial Neural Network and Fuzzy Logic through ICT” from 24<sup>th</sup> -28<sup>th</sup> April, 2017 at Integral University, Lucknow
- **Coordinator:** One Week STC on “Tools for Engineering Research through ICT” from 30<sup>th</sup> January, 2017 - 3<sup>rd</sup> February, 2017 at Integral University, Lucknow
- **Coordinator:** Two Day Workshop on “Python along with a mini project” from 18<sup>th</sup> -19<sup>th</sup> January, 2017 organized by HRDC & CEPC, Integral University, Lucknow
- **Coordinator:** One Day Workshop on “Era of Android Technology” on 3<sup>rd</sup> September, 2017 at Integral University, Lucknow
- **Organizing Member, ACEIT-16:** One Day International Conference on “Advancement in Computer Engineering & Information Technology” on 12<sup>th</sup> March 2016, Integral University
- **Program Coordinator:** National Seminar on “Cyber Threats to Digital World” on 24<sup>th</sup> September 2014, Integral University
- **Program Coordinator:** National Seminar on “Cyber Laws & Information Security” on 2<sup>nd</sup> March 2013, Integral University
- **Workshop Coordinator:** Two days’ workshop on “Ethical Hacking” organized by Kyrion Digital Securities (P) Ltd. on 15<sup>th</sup> -16<sup>th</sup> September 2012 at Integral University
- **Organizing Member, NCET-08:** Two Day National Conference on Emerging Technologies as Core member, Integral University, 2008

## PUBLICATIONS

### BOOKS

- **AUTHORED BOOK:** Book Titled “**Requirement Risk Management: A Practitioner’s Approach**” published by Lambert Academic Publication, Germany, ISBN: 978-3-659-15494-2
- **EDITED BOOK:** Book Titled “**Advances in Cyberology and the Advent of the Next-Gen Information Revolution**” published by IGI Global, , Pages: 271, June, 2023, ISBN13: 9781668481332 | ISBN10: 1668481332 | EISBN13: 9781668481356, DOI: 10.4018/978-1-6684-8133-2
- **EDITED BOOK:** Book Titled “**Computer Science & Engineering**” published by AARGON PRESS ISBN: 978-93-94070-54-7

### BOOK CHAPTERS

- “**Implementation of Industry 4.0 and Preparation for Industry 5.0 in Industrial Organizations**” Dr. F. Ahamad, Dr. S. H. Abbas and Dr. Halima Sadia (2024) In: Current Technologies and Tools Aiding Industry 5.0 Development, Cambridge Scholars Publishing. ISBN: 1-5275-5408-2.
- “**A Framework for Smart Agriculture System to Monitor the Crop Stress and Drought Stress Using Sentinel-2 Satellite Image In Algorithm for Intelligent System**” In: Mathur, G., Bundele, M., Tripathi, A., Paprzycki, M. (eds) Proceedings of 3rd International

Conference on Artificial Intelligence: Advances and Applications. Algorithms for Intelligent Systems. Springer, Singapore (2023). [https://doi.org/10.1007/978-981-19-7041-2\\_27](https://doi.org/10.1007/978-981-19-7041-2_27)

- **“A Critical Analysis of Cyber Threats and Their Global Impact”**Afaq, S. A., Husain, M. S., Bello, A., & Sadia, H. (2023). A Critical Analysis of Cyber Threats and Their Global Impact. In *Computational Intelligent Security in Wireless Communications* (pp. 201-220). CRC Press.
- **“Workplace Cyberbullying in the Remote-Work Era: A New Dimension of Cyberology”** Javed, N., Ahmed, T., Faisal, M., Sadia, H., & Sidaine-Daumiller, E. Z. J. (2023). Workplace cyberbullying in the remote-work era: a new dimension of cyberology. In *Advances in Cyberology and the Advent of the Next-Gen Information Revolution* (pp. 166-177). IGI Global. DOI: 10.4018/978-1-6684-8133-2.ch009
- **“A Bayesian Network-Based Software Requirement Complexity Prediction Model”** In: Asari, V.K., Singh, V., Rajasekaran, R., Patel, R.B. (eds) *Computational Methods and Data Engineering. Lecture Notes on Data Engineering and Communications Technologies*, vol 139. Springer, Singapore. [https://doi.org/10.1007/978-981-19-3015-7\\_15](https://doi.org/10.1007/978-981-19-3015-7_15)
- **“Characterizing and Predicting Reviews for Effective Product Marketing and Advancement”** published in *Computer Science & Engineering*, 2021. AARGON PRESS ISBN: 978-93-94070-54-7. Chapter 02, Pages: 22-39
- **“Blockchain Technology for Healthcare Record Management”** published in *Pervasive Healthcare A Compendium of Critical Factors for Success*. Part of the book series: EAI/Springer Innovations in Communication and Computing (EAISICC). Hardcover ISBN: 978-3-030-77745-6, eBook ISBN: 978-3-030-77746-3, Chapter 17, Pages: 255-292. DOI: <https://doi.org/10.1007/978-3-030-77746-3>
- **“Mapping Cyberbullying and Workplace Cyberbullying: A Road towards Understanding Research Gaps in the Indian Context”** published in the *Handbook of Research on Cyberbullying and Online Harassment in the Workplace*, October, 2020 (IGI Global) ISBN: 9781799849124, DOI: 10.4018/978-1-7998-4912-4.ch016, Pages: 331-359

## INTERNATIONAL JOURNALS

- Mishra A, Sadia H. **A Comprehensive Analysis of Fake News Detection Models: A Systematic Literature Review and Current Challenges.** *Engineering Proceedings*. 2023; 59(1):28. <https://doi.org/10.3390/engproc2023059028>
- Bi, N., & Sadia, H. (2023). **Accident Severity Detection Using Machine Learning.** *International Journal of Engineering and Management Research*, 13(3), 203-208.
- Misra , A., Sadia, H. (2023). **Fake News Detection using Machine Learning: A Review,** *International Journal of Creative Research Thoughts (IJCRT)*
- Srivastava, A., Sadia, H. (2022). **Effective Framework of Underwater Image Enhancement,** *International Journal for Research in Applied Science & Engineering Technology (IJRASET)*, ISSN: 2321-9653, Volume 10, Issue 8, July-2022, <https://doi.org/10.22214/ijraset.2022.44014>
- Srivastava, A., Sadia, H. (2022). **Performance of Underwater Image Enhancement Using Hybrid Techniques,** *International Journal of All Research Education & Scientific Methods,*



ISSN: 2455-6211, Volume 10, Issue 5, May-2022, Impact Factor: 7.429, Available online at: [www.ijaresm.com](http://www.ijaresm.com)

- Suhail, A., Sadia, H. (2021). **Characterizing and Predicting Reviews for Effective Product Marketing and Advancement**, Journal of Informatics Electrical and Electronics Engineering, 2021, Vol. 02, Iss. 02, S. No. 006, pp. 1-4 ISSN (Online): 2582-7006
- Akhtar, N., Rahman, S., Sadia H., Perwej Y.(2022). **A Holistic Analysis of Medical Internet of Things (MIoT)**. Journal of Information and Computational Science (JoICS), 2021, Vol. 11, Iss. 04pp. 209-2022, ISSN: 1548 - 7741
- Suhail, A., Sadia, H. (2021). **Characterizing and Predicting Reviews for Effective Product Marketing and Advancement**, International Journal of Scientific Research in Computer Science, Engineering and Information Technology, Volume 7, Issue 4, Page Number : 389-396. July-August-2021, ISSN : 2456-3307 (www.ijsrcseit.com) doi : <https://doi.org/10.32628/CSEIT2174107>
- Sadia, H., Abbas, S. Q. (2020). **RAUMM: A Model for Requirement Ambiguity and Uncertainty Management in Software Requirement Specification**, International Journal of Psychosocial Rehabilitation, (ISSN: 1475-7192) 24(4), 7508-7536, DOI: 10.37200/IJPR/V24I4/PR2020820
- Khan, A.U., Sadia H. (2020). **Intensive Literature Review for Online Classroom Based on Decision Support System**. International Journal of Advanced Science and Technology, 29(10s), 8713-8724. Retrieved from <http://sersc.org/journals/index.php/IJAST/article/view/26182>
- Khan, A.U., Sadia H. (2020). **A Decision Supports System for on line System to Predict Student Performance**. Shodh Sarita Journal of Arts, Humanities and Social Sciences, 7(26)
- Khan, A.U., Sadia H. (2020). **An Effective Mechanism for E-classroom Using Decision Support System**. International Journal of Advanced Research in Engineering and Technology, 11(6), 1039-1045, Retrieved from SSRN: <https://ssrn.com/abstract=3659113>
- Sadia, H., Abbas, S.Q., & Faisal, M. (2019). **A Systematic Literature Review of Multi-Criteria Risk Factors (VUCA) In Requirement Engineering**. International Journal of Scientific & Technology Research, 8, 13-20
- Sadia, H., Abbas, S.Q., & Faisal, M. (2019). **Volatile Requirement Prioritization: A Fuzzy Based Approach**. International Journal of Engineering and Advanced Technology (ISSN: 2249-8958), 8(5), 2467-2472, Retrieved from <https://www.ijeat.org/wp-content/uploads/papers/v8i5/D6159048419.pdf>
- Akhtar, S., Sadia, H. (2019). **Designing a Cloud Analytics Service Framework for Mobile Advertisement and Marketing: A Review**. Journal of Android and IOS Applications and Testing, 4(1), 10-18, Retrieved from <http://matjournals.in/index.php/JoAAT/article/view/3598>
- Akhtar, S., Sadia, H. (2019). **Designing a Cloud Analytics Service Framework for Mobile Advertisement and Marketing**. JASC: Journal of Applied Science and Computations Volume VI, Issue VI, JUNE/2019. Page No:1011-1017. <http://www.j-asc.com/gallery/124-june-3131.pdf>
- Jafri, U., Sadia, H. (2017). **PSO based Optimized Software Testing Technique**. International Journal of Research and Development in Applied Science and Engineering (IJRDASE), 13, 2, 283-288. ISSN: 2454-6844

- Yadav, A. S., Sadia H., Singh S. (2017). **Lossy Compression of Color Image using EZW and BTC**. International Journal of Science and Research (IJSR). Volume 6 Issue 12, December 2017. Paper ID: ART20176202 DOI: 10.21275/ART20176202
- Faisal, M., Beg, M.R., Sadia, H. (2016). **Stable Requirement Specification Framework: Requirement Volatility Perspective**. International Journal of Scientific & Engineering Research (IJSER), 7, 10, 1342-1347, ISSN 2229-5518
- Faisal, M., Beg, M.R., Sadia, H. (2014). **An Efficient Approach for Requirement Volatility Identification**. International Journal of Computer Applications (IJCA), 101, 15, 42-45, DOI 10.5120/17767-8884
- Sadia, H., Beg, M.R., (2014). **Requirement Risk Identification: A Practitioner's Approach**. International Journal of Computer Applications IJCA, 102, 15, 13-15, DOI 10.5120/17890-8886

### INTERNATIONAL/NATIONAL CONFERENCE

- **"A Framework for Smart Agriculture System to Monitor the Crop Stress and Drought Stress Using Sentinel-2 Satellite Image,"** in Proceedings of the *International Conference on Artificial Intelligence: Advances and Applications*, organized by Poornima College of Engineering, Jaipur, India, from 23 - 24 April 2022.
- **"A Bayesian Network Based Software Requirement Complexity Prediction Model"** in *International Conference on Computational Methods and Data Engineering - ICCMDE2021* organized by Vellore Institute of Technology-Vellore, India, from 25-26 November 2021.
- **"Transforming the face of Digital Health: Blockchain being the ultimate solution"** in *International E-Symposium on "Recent Advancements in Information and Communication Technology (RAICT 2020)* organized by Department of Computer Application, Integral University, Lucknow, India in association with Indian Society for Technical Education (ISTE), Institute of Engineers India (IEI) and Technically Co-Sponsored By IEEE Uttar Pradesh Section, from 5 - 7 November, 2020.
- **"A Model for predicting Diabetes Mellitus at an early stage"** in *International E-Symposium on "Recent Advancements in Information and Communication Technology (RAICT 2020)* organized by Department of Computer Application, Integral University, Lucknow, India in association with Indian Society for Technical Education (ISTE), Institute of Engineers India (IEI) and Technically Co-Sponsored By IEEE Uttar Pradesh Section, from 5 - 7 November, 2020.
- **"Volatile Requirement Identification: An Implementation Of Perspective Based Inspection Techniques"** in ACEIT-18, International Conference on Advancement in Computer Engineering and Information Technology organized by Department of CSE, Integral University, Lucknow on 6 - 7 April 2018, Volume 9, Special Issue No. 2, Pages 196-199, ISBN: 978-93-5311-643-9, doi: <https://doi.org/10.26483/ijarcs.v9i0.6164>.
- **"An Indiscriminate Semantic Similarity Search Using Latent Semantic Indexing in Data Mining"** in ACEIT-16, International Conference on Advancement in Computer Engineering and Information Technology organized by Department of CSE, Integral University, Lucknow on 12th March, 2016, ACEIT Conference proceedings.
- **"Requirement Volatility Management: A Dependency Analysis Approach"** in **NCISC 2014**, National Conference on Information Security Challenges organized by Babasaheb

Bhim Rao Ambedkar University, Lucknow on 28<sup>th</sup> March 2014, Vol 1, Issue 1, Pages 27-29, ISBN 978-81-7678-220-3 .

- **“Requirement Risk Management : An Early stage Identification Perspective”** in PCC 2012, International Conference on Pervasive Computing and Communication, New Delhi on 17-18 June 2012, ISBN: 978-981-07-2579-2
- **“A Proficient Model for Requirement Volatility Management”** in ICIET 2012, International Conference on Information & Education Technologies” Mumbai on 14-15<sup>th</sup> March 2012. (Journal Procedia Technology (ISSN: 2212-0173).
- **“Software Security: A Comparative Framework Analysis “in NCSOFT 10, National Conference on Software Engineering organized by Cochin University of Science and Technology on 24 - 25 May 2010.**
- **“An Approach to Offline Handwriting Recognition and Identification”** in National Conference on Emerging Trends and Technologies NCET-08, Integral University, Lucknow on 29-30 March, 2008.

### SEMINAR/SYMPOSIUM/WORKSHOP

- Two day workshop on **“Plagiarism and Code of Conduct (HRDC/W/22/01)”** organized by Human Resource Development Center (HRDC), Integral University in the duration 02.03.2022 to 03.03.2022
- Two-Weeks blended QIP workshop on **“Spreadsheet Applications - Intermediate Level”** organized by Internal Quality Assurance Cell (IQAC) and Human Resource Development Centre (HRDC), Integral University from 25<sup>th</sup> June - 15<sup>th</sup> July 2021
- Attended Virtual Global Summit on **“Responsible AI for Social Empowerment (RAISE 2020)”** organized by Government of India from 5<sup>th</sup> -9<sup>th</sup> October 2020
- One day Workshop on **“AB SAMJHAUTA NAHIN KNOW YOUR RIGHTS”** organized by Vivel : certified equality warrior held on 6<sup>th</sup> November 2019
- One Week Workshop on **“Information & Communication Technology Awareness”** organized by Department of Computer Application, Integral University, Lucknow from 9<sup>th</sup> - 14<sup>th</sup> September 2019
- One day Workshop on **“Python and its Application on IOT”** organized by SOFTPRO, India on 20<sup>th</sup> February 2019
- Three day Workshop on **“Core Java Training with Cloud Sim Implementation using Eclipse”** organized by iNurture Education Solution Pvt. Ltd. from 22<sup>nd</sup> - 24<sup>th</sup> March 2018
- One day National Seminar on **“Following the Research workflow using Elsevier’s Tools”** organized Integral University on 6<sup>th</sup> March 2018
- One day International Seminar on **“Present Scenario & Future Prospectives of Research in Engineering & Sciences ISPSFPRES-17”** organized by IEEE Student Chapter, Integral University on 21<sup>st</sup> January 2017
- Two day Workshop on **“Python along with a mini project”** organized by HRDC & CEPC, Integral University, Lucknow from 18<sup>th</sup> -19<sup>th</sup> January 2017
- One Day Workshop on **“Era of Android Technology”** organized by Department of CSE, Integral University on 3<sup>rd</sup> September 2017
- One day National Seminar on **“Nature Inspired Computing”** organized by Babu Banarsi Das University, Lucknow on 15<sup>th</sup> October 2017



- Four day Workshop on “**Modeling & Simulation in Scilab**” organized by Department of Computer Science & Engg., Integral University from 25<sup>th</sup> – 28<sup>th</sup> May 2016
- Three day National Workshop on “**ARM Controlled Robotics**” Organized by Microbotric Technologies at Integral University, Lucknow from 11<sup>th</sup> - 13<sup>th</sup> February 2015
- One day seminar on “**ARM (Advanced RISC Machine)**” organized by department of ECE, Integral University, Lucknow on 12<sup>th</sup> March 2015
- One day seminar on “**Leading the right path**” conducted by HCL CDC Integral University, Lucknow on 19<sup>th</sup> March 2015
- Two day workshop on “**Ethical Hacking and Information Security Workshop**” held at Integral University, Lucknow on 19<sup>th</sup>-20<sup>th</sup> September 2015
- One day National Workshop on “**Industrial Automation**” Organized by department of ECE, Integral University in collaboration with Unicon PLC Automation, Lucknow on 26<sup>th</sup> March 2014
- One day seminar on “**MATLAB and Simulink for Engineering Education**” organized by Mathworks India (Pvt.) Limited at Lucknow, 6<sup>th</sup> August 2014
- One day seminar on “**Cyber Threats to Digital World**” organized by Department of Computer Application, Integral University on 24<sup>th</sup> September 2014
- Two day workshop on “**Preparation of Self Learning Material**” organized by Distance Education Council (DEC) and Directorate of Distance Education, Integral University at Integral University on 5<sup>th</sup> -6<sup>th</sup> June 2012
- A seminar on “**Ageing and Health**” organized by World Health Organization- India and Integral Institute of Medical Science & Research at Integral University on World Health Day, 7<sup>th</sup> April 2012
- One day workshop on “**Economic Empowerment of the Deprived through Timely Information and its Utilization**” conducted by Zakat Foundation of India at Integral University on 2<sup>nd</sup> Feb 2011
- Two days National Conference on “**Minority Education in Uttar Pradesh**” organized by Aligarh Muslim University and Integral University at Integral University on 24<sup>th</sup> -25<sup>th</sup> April 2010
- A workshop on “**Language & Communication Skills**” conducted by Converse School of Communication-an ICC Initiative, at Integral University, on 16<sup>th</sup> -19<sup>th</sup> June 2009
- A seminar “**Shaping Your Mind**” conducted by Lucknow Management Association, 9<sup>th</sup> August 2008
- Attended “**Rational Rose Training Program**” conducted by IBM at Integral University, Lucknow.

## **FACULTY DEVELOPMENT PROGRAM**

- Two week Professional Development Program on “**Technology, Pedagogy and Research**” organized by Department of CSE, Integral University, Lucknow from 25<sup>th</sup> November – 8<sup>th</sup> December 2021
- Online Elementary FDP on “**Enabling Technologies for Artificial Intelligence, Machine Learning and IOT**” organized by AICTE Training and Learning (ATAL) Academy at Aligarh Muslim University from 21<sup>st</sup> – 25<sup>th</sup> June 2021

- Two week online International FDP on “**Communication Skills: Theory & Practices**” organized by Department of Languages, Integral University, Lucknow from 14<sup>th</sup> – 25<sup>th</sup> June 2021
- One week online FDP on “**Big Data Analytics using CLOUDERA**” organized by Department of CSE, Integral University, Lucknow from 19<sup>th</sup> – 26<sup>th</sup> March 2021
- One week FDP on “**Cyber Security**” organized by E & ICT Academy, IIT Kanpur (A Joint Initiative of MeitY& IIT Kanpur) from 8<sup>th</sup> - 13<sup>th</sup> February 2021
- One week FDP on “**Advanced Excel with Data Visualization**” organized by E & ICT Academy, IIT Kanpur (A Joint Initiative of MeitY& IIT Kanpur) from 4<sup>th</sup> - 9<sup>th</sup> November 2020
- One week FDP on “**Advanced Research Trends of Satellite Image Processing in Land Surface Monitoring**” organized by Advanced Computing Research Lab, Department of Computer Application under the aegis of HRDC, Integral University, Lucknow from 24<sup>th</sup> - 28<sup>th</sup> August 2020
- One week “**Online Faculty Induction Program**” organized by IQAC of Jagadamba Mahavidyalaya, Achalpur city from 15<sup>th</sup> – 19<sup>th</sup> July 2020
- One week online International FDP on “**Post Pandemic Scenario Building using AI, ML and Optimization Techniques (PPSB-AIMLOT-2020)**” organized by KDK College of Engineering, Nagpur from 10<sup>th</sup> - 14<sup>th</sup> July 2020
- One week online FDP on “**G Suite and Allied Tools in Education, Teaching & e-Content Development**” organized by PG Department of Computer Science & Engineering, SGBAU, Amravati from 29<sup>th</sup> June – 04<sup>th</sup> July 2020
- One week online FDP on “**MOODLE: Learning Management System**” Department of Electronics Engineering, AMU, Aligarh in association with Spoken Tutorial Project, IIT Bombay from 27<sup>th</sup> - 31<sup>st</sup> May 2020
- Attended five days online FDP on “**Artificial Intelligence**” organized by Department of Computer Engineering, Sridevi Women’s Engineering College, Delhi in collaboration with National Youth Council of India & Brainovision Solutions Pvt. Ltd. from 22<sup>nd</sup> – 26<sup>th</sup> May 2020
- Attended five days online FDP on “**Python Programming**” organized by Spoken Tutorial Project, IIT Bombay remotely at Amity Institute of Information Technology, Amity University, Lucknow Campus from 1<sup>st</sup>- 5<sup>th</sup> May 2020
- Attended five days online FDP on “**R-Language for Analytics and Data Sciences**” organized by Spoken Tutorial Project, IIT Bombay remotely at Amity Institute of Information Technology, Amity University, Lucknow Campus from 26<sup>th</sup> – 30<sup>th</sup> April 2020
- One week online FDP on “**Power of Python**” organized by the Department of CSE, Integral University Lucknow in collaboration with iNurture Education Solutions, from 18<sup>th</sup> - 23<sup>rd</sup> March 2020
- One week FDP on “**Database Management Systems**” organized by NPTEL-AICTE and Funded by the Ministry of HRD, Govt. of India Aug - Sep 2018
- One week FDP on “**Xcel in Excel**” organized by the Department of CSE, Integral University from 22-28 May, 2018
- Three day FDP on “**Cloud Infrastructure & Services**” organized by EMC Center of Excellence from 21-23<sup>rd</sup> July, 2016

- Five day FDP on **“MATLAB & ITS Application in Engineering”** organized by Azad Institute of Engineering & Technology, sponsored by Dr. A.P.J. Abdul Kalam Technical University, Lucknow from 14<sup>th</sup>-18<sup>th</sup> January, 2016 (S.N./2015-16/380)

### **SHORT TERM COURSE/SHORT TERM TRAINING PROGRAMME/REFRESHER COURSE**

- UGC Sponsored online Faculty Induction Programme from 17<sup>th</sup> July – 24<sup>th</sup> August 2021 organized by UGC Human Resource Development Centre, Aligarh Muslim University, Aligarh and obtained Grade- 'A+'. E-Certificate No. **S. No./21-22/FIP-I-137**
- Four days online **“SkillNXT training program”** organized by BOSCH - Integral Industry-Academia Collaboration: Trainer’s Capacity Building: Train the Trainer (TTT) program from 15<sup>th</sup>-18<sup>th</sup> March 2021
- Attended seven days refresher course on **“National Education Policy (NEP)-2020”** by HRDC, Integral University from 24<sup>th</sup> February - 3<sup>rd</sup> March 2021
- One week online Training Programme on the **“Campus Sustainability”** organized by CALEM, UGC HRDC, Aligarh Muslim University, Aligarh from 16<sup>th</sup> – 22<sup>nd</sup> February 2021
- Attended five days online Short Term Training Program on **“Recent Trends In Data Science And Information Security”** by Department of Computer Engineering, Ramrao Adik Institute of Technology Nerul, Navi Mumbai, Maharashtra from 22<sup>nd</sup> – 26<sup>th</sup> June 2020
- Six weeks online course on **“Blockchain A-Z: Learn How To Build Your First Blockchain”** completed on 28<sup>th</sup> June 2020. Certification Course by Udemy
- Attended **“Teaching Skills and Communication Development Programme”** conducted by Maxel Learning Pvt. Ltd. from 3<sup>rd</sup> – 20<sup>th</sup> July 2019
- Four days training on **“GT Blockchain Technology Training”** organized by Grant Thornton Learning & Development Academy in India from 2<sup>nd</sup> – 5<sup>th</sup> July, 2019
- One week STC on **“Project Work Planning and Execution through ICT”** organized by NITTTR, Chandigarh & HRDC Integral University from 8<sup>th</sup> -12<sup>th</sup> October 2018
- One week STC on **“Faculty Development Planning and Management through ICT”** organized by NITTTR, Chandigarh & HRDC Integral University from 12<sup>th</sup> - 16<sup>th</sup> March 2018
- Two weeks STC on **“Training Course on Cyber Security (TCCS-2018)”** organized by Department of Information Technology, Ambedkar University, Lucknow from 1<sup>st</sup> - 15<sup>th</sup> February 2018
- One month STC on **“Remote Sensing & Digital Image Analysis”** organized by IIRS, ISRO and Department of Space Government of India from 21<sup>st</sup> August – 15<sup>th</sup> September 2017
- One week STC on **“Gender Equality in Academic Leadership”** organized by Center for Academic Leadership & Education Management (CALEM) under the scheme of PanditMadan Mohan Malaviya National Mission on Teachers and Teaching (PMMMNTT), MHRD, Govt. of India & UGC Human Resource Development center from 6<sup>th</sup> - 12<sup>th</sup> July 2017
- One week STC on **“Artificial Neural Network and Fuzzy Logic through ICT”** organized by NITTTR, Chandigarh & HRDC Integral University from 24<sup>th</sup> - 28<sup>th</sup> April 2017.
- One month STC on **“Remote Sensing & GIS Applications in Carbon Forestry”** organized by IIRS, ISRO and Department of Space Government of India from 16<sup>th</sup> February -10<sup>th</sup> March 2017
- One week STC on **“Tools for Engineering Research through ICT”** organized by NITTTR, Chandigarh & HRDC Integral University from 30<sup>th</sup> January -3<sup>rd</sup> February 2017

- One week STC on “**Data Analysis/SPSS & MINITAB**” organized by Center for Academic Leadership & Education Management (CALEM) under the scheme of PanditMadan Mohan Malaviya National Mission on Teachers and Teaching (PMMMNTT),MHRD, Govt. of India & UGC Human Resource Development centre from 2<sup>nd</sup> - 8<sup>th</sup>February 2016

## QUIZZES

- Organized e-quiz on "Plagiarism Awareness- Research & Academic Ethics" by Faculty of Doctoral Studies & Research and Faculty of Computer Application in association with Indian Society for Technical Education on 21<sup>st</sup> July 2020
- Organized e-quiz on “Yogathon 2020 (International Day of Yoga)” by Department of Computer Application on 21<sup>st</sup> June 2020
- Qualified Awareness e-quiz on International Yoga Dayorganized by Department of Applied Science & Humanities, Rajkiya Engineering College, Ambedkar Nagar on 21<sup>th</sup> June 2020
- Qualified e-quiz on "World Environment Day" by IEEE GEC Student Branch on 5<sup>th</sup> June 2020
- Qualified e-quiz on "Covid-19 Awareness" by Hostel, Integral University, Lucknow on 31<sup>st</sup> May 2020

## PROFESSIONAL MEMBERSHIP

- **Life Member:** Indian Society of Technical Education (ISTE), Membership No: LM85592
- **Member:** Computer Society of India (CSI), Membership No: I1506051
- **Member:** International Association of Engineers (IAENG), Membership No:108150
- **Member:** International Association of Computer Science & Information Technology, Membership No: 80344251
- **Member:** Universal Association of Computer and Electronics Engineers (UACEE), Membership No: SM1002687
- **Member:** Computer Science Teachers Association (CSTA), Membership No: 1348805
- **Member:** Indian Association for Research in Computing Science (IARCS)
- **Member:** Computer Society of India (CSI).
- **Member:** European Association of Software Science and Technology (EASST), Membership No: 1550
- **Member:** Internet Society Delhi Chapter (ISOC, USA).
- **Member:** The Institute for Computer Sciences, Social Informatics & Telecommunications Engineering (ICST).
- **Member:** Society of High Performance Computing Professionals (HPC, Houston), Membership No: 4281540

## DISSERTATION/PROJECT GUIDANCE

- Guided seven M.Tech Dissertation projects

S.No.	Name	Dissertation Topic
1	Nagma Bi	Accident Severity Detection Using Machine Learning
2	Anchal Srivastav	Effective Framework for Underwater Enhancement
3	Aihsan Suhail	Characterizing and Predicting Reviews for Effective Product Marketing and Advancement
4	Ashad Ullah Khan	Design of an Interactive Classroom using Decision Support System with Web Mining Approach

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5	Shabeen Akhtar	Building a Cloud Analytics Service Framework for Mobile Advertising and Marketing
6	Ajay Singh Yadav	Lossy Compression of Color Image using ESW and BTC
7	Uzma Jafri	PSO based Optimized Software Testing Technique

- Guided more than 100 projects at UG level

### PERSONAL INFORMATION

**Husband' Name** : Dr. Mohammad Faisal  
**Date of Birth** : 12<sup>th</sup> September 1984  
**Gender** : Female  
**Marital Status** : Married  
**Nationality** : Indian  
**Permanent Address** : Flat No. 205, IIMSR Residence,  
Integral University Campus,  
Kursi Road, Lucknow - 226026



(Dr. Halima Sadia)