



Dr. Mohammed Faizan Farooqui
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PROFILE

- I have completed **Ph.D.** in Computer Application in 2015,
- Presently working as **Associate Professor** in the Department of Computer Application, Faculty of Engineering and Information Technology, Integral University, Lucknow, India.
- Actively involved in research activities and have published over **23 research articles** in refereed international journals, conference proceedings and as book chapters, including **10 papers in Scopus** indexed high impact journals.
- **Supervised 6 Ph.D.s** successfully and 4 students are enrolled currently.
- I am member of several professional bodies including life member of ISTE.

TOTAL EXPERIENCE:

- **21+** Years of Teaching (Academics) at University level.
- **9+** years Post Ph.D. teaching experience.

ADMINISTRATIVE EXPERIENCE:

- Established the Department of Computer Application at Integral University.
- Served as **Head**, Department of Computer Application, Integral University, Lucknow from **2011-2018**.

ACADEMIC QUALIFICATION:

- Ph.D. in Computer Application, Integral University, Lucknow, India, 2015.
- M. Tech (I.T), with 1st Division, K.S.O.U, Mysore, 2010.
- Master of Computer Application (MCA), with 1st Division, U.P. Technical University, Lucknow, India, 2003.
- Bachelor of Science (Computer Application) with 1st Division, Lucknow University, Lucknow, India, 2000.

WORKING EXPERIENCE:

- Lecturer, Department of Computer Application, Integral University, Lucknow from 2005-2009.
- Sr. Lecturer, Department of Computer Application, Integral University, Lucknow from 2009-2010.
- Assistant Professor, Department of Computer Application, Integral University, Lucknow from 2010-2013.
- Associate Professor, Department of Computer Application, Integral University, Lucknow from 2013-Till date.

PROJECT GUIDED:

- Guided more than 50 Projects of M.C.A, B.C.A and B.Tech (CSE) Courses.

TECHNICAL SKILLS:

- Operating Systems : Windows, UNIX, Linux
- Languages : C, C++, Java .
- Web Technologies : JSP, Servlets, Java Beans, JDBC, HTML, DHTML, JavaScript.
- Databases : MYSQL, ORACLE 8i.

RESEARCH INTEREST:

- Web Engineering
- Data Mining
- Requirement Engineering
- Blockchain Technology

CONFERENCES/TRAINING /SEMINAR ATTENDED:

- NCET-08 at Integral University Lucknow, India
- Attended Conference on "Minority Education" at Integral University, Lucknow, India.
- Attended FDP on "Software Project Management" at LBSIMS, Lucknow
- Attended Training of "Rational Rose" at Integral University ,Lucknow, India
- Attended Training of "UNIX O.S" at Integral University ,Lucknow, India
- Attended Workshop on "Language & Communication skills" conducted by Converse School of Communication-an ICC Initiative, at Integral University.
- Seminar on "IBM Servers" organized by IBM, Lucknow.
- Attended 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.
- Attended International Conference on "Control Instrumentation Communication and Computational technologies", IEEE, Noorul Islam University, Kanyakumari, Tamil Nadu, July 2014.
- Attended two day workshop on "Ethical Hacking" Organized by Kyrion Digital Securities,

Integral University, Lucknow.

- Attended Short Term course on “Advance Java programming” Organized by QRAT Technologies, Lucknow, August 2013.
- Attended workshop on “Advanced Web development”, organized by Ostrich Academy, Bhopal, Dec 2013.
- Attended one day seminar on “Cyber Threat to Digital World”, organized by ISTE&CSI student chapter, Integral University, Lucknow, Sept 2015
- Attended workshop on “Hybrid Android Development”, organized by Integral University, Lucknow, Oct 2015
- Attended one day seminar on “Advance RISC Machine”, organized by ISTE&CSI student chapter, Integral University, Lucknow, Mar 2015
- Attended one day National Workshop on “Embedded Systems and Robotics”, organized by Integral University, Lucknow, Sept 2015
- Attended FDP on MATLAB organized by Integral University, Lucknow, Feb 2016
- Attended one day National Seminar on “Emerging trends and advancements in Cyber Security”, organized by Integral University, Lucknow, Sept 2016.
- Attended Short term course on “Web Development “, Ostrich Academy,2016
- Attended Workshop on “Python”, Integral University,2017
- Attended Workshop on, “Web Technology clubbed with .NET”, Integral University, 2017
- Attended Seminar on “ISPSFPRES-17”, Integral University, 2017
- Attended Seminar on “Modern Trends in Engineering and Sciences”, Integral University, 2017
- Attended FDP on “Xcel in Excel”, Integral University,2018
- Attended STC on “Faculty Development Planning and Management through ICT”, NITTR 2018.
- Attended workshop on “ Python and its Applications with IOT” ,Softpro India, 2018
- Attended short term course on “Built responsive real world websites with HTML5 and CSS3,Udemy India,2020
- Attended International E-Symposium on “Recent Advancements in Information and Communication Technology” Integral University, 2020
- Session Chair at International E-Symposium on “Recent Advancements in Information and Communication Technology” Integral University, 2020
- Next-Gen Computing Technologies (Two-Weeks Blended Faculty Development Programme, Integral University, 2021.

PROFESSIONAL MEMBERSHIP:

- Member of Editorial Board at “International Journal of Computer Application”, USA.
- Member of Computer Science teachers Association (CSTA), USA.
- Member of International Association of Engineers (IAENG), Hong Kong.
- Member of International Association of Computer Science and Information Technology (IACSIT), Singapore.
- Member of Society of High Performance Computing Professionals, Houston.

- Member of CSI.
- Life Member of ISTE.

PERSONAL INFORMATION:

- Date of Birth: 21 November 1979
- Sex: Male.
- Marital Status: Married.
- Language Known: English, Hindi
- Permanent Address: 233/7, Koray Wali Gali, Patanala, Lucknow -226003, (U.P), INDIA
- Mobile No: 91-9305411115

COURSE TAUGHT:

- Operating System
- Computer Graphics and Animation
- Database Management System
- Computer Organization
- Software Engineering
- Programming languages (C, C++)
- Computer Networks
- Management Information System
- Fundamental of Information Technology
- Advance Concepts in Database System
- Software testing & Quality Assurance
- Advanced Software Engineering
- Machine Learning
- Requirement Engineering

ADMINISTRATIVE/DEPARTMENTAL RESPONSIBILITY

- Member of Quality Assurance cell
- Project Coordinator of MCA Final year Projects.
- Member of Syllabus Review Committee for Computer Applications
- Member for Departmental Societies.
- Member of Research & Development Committee.
- Question Paper Setter of MCA, BCA, B-Tech (CSE).
- Member of Board of Studies

STUDENTS SUPERVISION

- Mr. Saif Abidi, was awarded Ph. D for his work on “Development Of Dependability Estimation Framework An Object Oriented Design Phase Perspective”, in September 2021.
- Mr. Mohammad Haleem, was awarded Ph. D for his work on “A Framework To Minimize The Impact Of Requirement Uncertainty In Software Projects”, in November 2022.
- Mr. Anwar Bari, was awarded Ph. D for his work on “Development of an Effective Technique to Perform Audit Testing of Web Services”, in February 2024.
- Mr. Arshad Ali, was awarded Ph. D for his work on “Analysis and Development of Knowledge based Framework for Multi Agent System in Web Mining”, in March 2024.
- Mr. Aftab Alam Abdussami, was awarded Ph. D for his work on “A Novel Approach for Analyzing Security Issues on Different Layers of Fog Computing”, in August 2024.
- Mr. Kashif Asad, was awarded PhD for his work on “A Framework for Requirement Management in Agile Software Development”, in October 2024.

PUBLISHED/GRANT PATENTS

- **Mitigation Of Cyber-Attacks On The IoT Devices In Fog Environment Using Cipher Physical System**
Application No: 202111056677 A
Date of filing of Application: 07/12/2021
Publication Date: 17/12/2021

PUBLISHED/ACCEPTED SCI/SCOPUS RESEARCH PAPERS

- Md. Faizan Farooqui et al., “A Critical Analysis of Software Product Failure: An Indian & Global Perspective”, International Journal of Engineering and Advanced Technology (IJEAT) ISSN: 2249-8958 (Online), Volume-8 Issue-6, August, 2019 (Scopus Indexed). DOI: 10.35940/ijeat.C5941.088619
- Md. Faizan Farooqui et al., “Cognitive Impact Validation of Requirement Uncertainty in Software Project Development”, International Journal of Cognitive Computing in Engineering (IJCCE) ISSN 2666-3074, Volume 2, 23 December 2020 (Science Direct Elsevier /Scopus Indexed). DOI: 10.1016/j.ijcce.2020.12.002
- Md. Faizan Farooqui et al., “Tackling Requirements Uncertainty in Software Projects: A Cognitive Approach”, International Journal of Cognitive Computing in Engineering (IJCCE), ISSN 2666-3074, Volume 2, June 2021 (Science Direct Elsevier / Scopus Indexed). DOI: 10.1016/j.ijcce.2021.10.003
- Md. Faizan Farooqui et al., “An Efficient Knowledge-Based Framework for Multi-Agent System”, Computer Integrated Manufacturing Systems 2022, vol. 28. Issues 11, Scopus indexed
- Md. Faizan Farooqui et al., “Interaction among Multiple Intelligent Agent Systems in web mining”, 3rd International Conference for Emerging Technology (INCET), 1-8, 2022 (Scopus indexed).
- Md. Faizan Farooqui et al., “An exhaustive review on web mining tools and applications”,

Journal of Critical Reviews, 7 (ISSUE 19, 2020), 4498-4503, (Scopus indexed).

- Md. Faizan Farooqui et al., "Selection of Requirement Elicitation Techniques: A Neural Network based Approach", International Journal of Advanced Computer Science and Applications (IJACSA), Vol. 13, No. 1, 2022(Scopus Indexed).
- Md. Faizan Farooqui et al., "Optimal Feature Selection with Weight Optimized Deep Neural Network for Incremental Learning-Based Intrusion Detection in Fog Environment", Journal of Information & Knowledge Management Vol. 21, No. 2 (2022) 2250042 (33 pages) World Scientific Publishing Co. DOI: 10.1142/S0219649222500423.
- Md. Faizan Farooqui et al., "Incremental Deep Neural Network Intrusion Detection In Fog Based Iot Environment: An Optimization Assisted Framework", Indian Journal Of Computer Science And Engineering, December 2021. doi: 10.21817/Indjcse/2021/V12i6/211206191.
- Md. Faizan Farooqui et al., "SERSC A Systematic Literature Review on Fog Computing", International Journal of Advanced Science and Technology Vol. 29, No. 7, (2020), pp. 12755-12769 12755 ISSN: 2005-4238 IJAST,
- Md. Faizan Farooqui et al., "A Fuzzy Logic based Solution for Network Traffic Problems in Migrating Parallel Crawlers", International Journal of Advanced Computer Science and Applications (IJACSA), Volume 14 Issue 2, 2023. DOI: 10.14569/IJACSA.2023.0140252
- Md. Faizan Farooqui et al.(2023.), "An AHP-Based Framework for Effective Requirement Management in Agile Software Development (ASD)", International Journal on Recent and Innovation Trends in Computing and Communication, Vol. 11 No. 10 (2023),DOI: <https://doi.org/10.17762/ijritcc.v11i10.8509>
- Md. Faizan Farooqui et al.(2023.), "Ensuring Security in Electronic Health Records: Implementing and Validating a Block chain and IPFS Framework", Journal of Electrical Systems (JES), Vol. 20 No. 7s (2024)DOI: <https://doi.org/10.52783/jes.3972>

PAPER PUBLISHED IN INTERNATIONAL CONFERENCES

- Md. Faizan Farooqui et al., "Study of Automated Testing of Web Services", Proceedings of the 12th INDIACom; INDIACom-2018; IEEE Conference ID: 42835 2018 5th International Conference on "Computing for Sustainable Global Development", 14th - 16th March, 2018 Bharati Vidyapeeth's Institute of Computer Applications and Management (BVICAM), New Delhi (INDIA).
- Md. Faizan Farooqui et al., "An Approach to Automate the Audit Testing of Web Services", Proceedings of the 12th INDIACom; INDIACom-2018; IEEE Conference ID: 42835 2018 5th International Conference on "Computing for Sustainable Global Development", 14th – 16th March, 2018 Bharati Vidyapeeth's Institute of Computer Applications and Management (BVICAM), New Delhi (INDIA).
- Md. Faizan Farooqui et al., "Software Dependability: Classification and Categorization", IEEE Conference Publication, , Proceedings of 6th International Conference on "Computing for Sustainable Global Development", pp. 1461-1465, 13th – 15th March, 2019, New Delhi (INDIA)
- Md. Faizan Farooqui et al., "Analytical Hierarchical Process for Software Dependability", IEEE Conference Publication, Proceedings of 6th International Conference on "Computing

for Sustainable Global Development”, pp. 1456-1460, 13th – 15th March, 2019, New Delhi (INDIA)

PUBLISHED NON-SCI-SCOPUS BUT PEER REVIEWED RESEARCH PAPERS

- Md. Faizan Farooqui et al., “A Comparative study of Multi Agent Based and High-Performance Privacy Preserving Data mining,” International Journal of Computer Application, USA, Volume 4 no.12, August 2010.
- Md. Faizan Farooqui et al., “An Extended Model For Effective Migrating Parallel Web Crawling With Domain Specific And Incremental Crawling,” International Journal on Web Service Computing , Vol.3, No.3, September 2012.
- Md. Faizan Farooqui et al., “Validation of Architecture of Migrating Parallel Web Crawler using Finite State Machine,” International Journal of Computer Science Issues, Vol. 11, Issue 1, No 1, January 2014.
- Md. Faizan Farooqui et al., “Change Detection In Migrating Parallel Web Crawler: A Neural Network Based Approach”, International Journal of Computer Science Issues (IJCSI), Vol. 11, Issue 1, No 1, January 2014.
- Md. Faizan Farooqui et al., “Software Dependability Estimation: Implementation through Fuzzy AHP”, International Journal of Computer Sciences and Engineering, Vol.7(4), Apr 2019, E-ISSN: 2347-2693.

BOOK EDITED/ AUTHORED

- A Handbook of Migrating Parallel Web Crawler, Lambert Publication, ISBN: 978-620-4-98402-5
- A Complete Guide to Effective Requirement Elicitation, Lambert Publication, ISBN: 978-620-4-98400-1
- Complete Guide to Multi-Agent Systems, ISBN: 978-620-7-48380-8

BOOK CHAPTERS

- “Extending Application of Non-verbal Communication to Effective Requirement Elicitation”, Advances in Computing and Information Technology, Advances in Intelligent Systems and Computing” SPRINGER, Volume 177, 2013, pp 623-630.
 - “A Critical Review of Migrating Parallel Web Crawler”, Advances in Computing and Information Technology, Advances in Intelligent Systems and Computing” SPRINGER, Volume 177, 2013, pp 631-637.
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