(Dr. Farooq Ahmad)
Assistant Professor, Department of Computer Application,
Faculty of Engineering, Integral University, Lucknow
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PROFILE

- PhD in Computer Application from Department of Computer Application, Integral University, Lucknow, 2023
- Master of Computer Application from Harcourt Butler Technological Institute (Kanpur), 1999
- Bachelor of Science(Mathematics, Physics & Statistics) from DDU Gorakhpur University, 1994
- Intermediate (Hindi, English, Physics, Chemistry and Mathematics) from U.P. Board, India, 1990
- High School (Hindi, English, Science, Social Study, Biology and Math) from U.P. Board, India, 1988
- Around 24 Years of total experience in IT software development industry and education with over 7 years of project management, 4 years of Database Architect, 4 years of Programmer Analyst and 9 years of Academic/Research experience with an additional responsibility of Technical Training and coordination of the Technical Trainings.
- Working as an **Assistant Professor and Technical Training Coordinator (IUCAT)** in Dept. of Computer Application at **Integral University, Lucknow,** Duration: **29thJanuary 2020 – Present**
- Worked as **Senior Faculty and Technical Trainer** with **iNurture Education Solutions Private Limited, Bangalore,** Duration:**16thJuly 2018 – 15th January 2020**
- Worked as an **Assistant Professor and Sr. Technical Consultant** in Dept. of Computer Application at **Pranveer Singh Institute of Technology, Kanpur,** Duration:**11thAugust 2015 – 30th June 2018**
- Worked as a **Sr. Project Manager and Database Architect** at **Ingenious Infotech, India**, Duration: **Aug'12 – Jul'15**
- Worked as a **Project Manager** at **OpenSource Technologies Pvt. Ltd., New Delhi**, Duration: **Apr'12 – Jul'12**
- Worked as a **Project Manager** at **Avadh Brainware Pvt. Ltd., Lucknow**, Duration: **Apr'11 –Mar'12**
- Worked as a **Project Manager and Database Architect** at **SRMTechsol Private Limited, Lucknow**, Duration: **May'07 –Mar'11**
- Worked as a **Project Leader and Database Developer** at **STG International Limited, Gurgaon**, Duration: **Apr'01 –Apr'07**
- Worked as **Application and Database Developer** at **LML Limited, Kanpur**, Duration: **Jul'99 – Mar'01**

- SILVER Level Partner of INFOSYS Campus Connect Program
- Certificate of Appreciation from PSIT for significant contribution towards DBMS Training
- Contributed as **'Organizing Secretary'** in an International Conference on "Advances in Science, Engineering, and Technology"
- Contributed as **'Coordinator'** in Two weeks blended Faculty Development Program on Next-Gen Computing Technologies Organized by Department of Computer Application under the aegis of Human Resource Development Centre (HRDC), Integral University, Lucknow, from 10th Nov, 2021 to 25th Nov, 2021.
- Contributed as **'Coordinator'** in two weeks Refresher Course/Workshop on "AI and Current Research" organized by Human Resource Development Centre, Integral University, Lucknow, from 19th August, 2023 to 11th November, 2023.
- Technical Training Coordinator "Integral University Center for Advanced Training"
- Served as a Reviewer for the ICECI-2023, IJCDS (University of Bahrain), Information Sciences, JKSUCIS (Journal of King Saud University) and IJECES
- Delivered Expert Lectures in International Webinars Organized by Integral University
- Successfully Coordinated Semester End (Odd & Even) Practical Examination students (around 2000) of BCA and MCA.
- Working as Criteria In-charge of Departmental NAAC Criteria II with 5 members
- Having sound knowledge of Web Application Development Technologies (Client-Server Architecture)
- Excellent training skills in RDBMS-SQL Programming (Oracle, PL/SQL, MS SQL Server)
- Organized and delivered Pre-Placement Training for MCA Students.
- Hired, mentored, coached and supervised a technical team

- Ability to handle the class as well as an ability to motivate students for better learning
- Profound knowledge of the subject areas and ability to teach students by using various methods
- Preparation of study material, lecture contents and revision material for BCA& MCA through Power Point Presentations.
- Designing Lecture Plan and lab plan for various trainings
- Ensure that the training is delivered in a way that is informative, creative, interactive and responsive within a relaxed environment.
- Coordinator of Integral University Center for Advanced Training (IUCAT).
- Managed technical trainer's team to organize training for the students under IUCAT.
- Taking technical training sessions regularly to help students to get good job
- Analytical approach and ability to research as well as an ability to respect students
- Highly skilled in collecting the study material and chunking it in a proper way
- Strong commitment with the job as well as interested in teaching students
- Ability to communicate with the students, staff, and management
- Ability to advise the students and problem solving attitude

RESEARCH INTEREST:
- Artificial Intelligence
- Natural Language Processing
- Machine Learning
- Software Engineering

- Internet of Things
- Data Analytics
- Database Management System

SUMMARY OF RESEARCH ACCOMPLISHMENT:
- Successfully defense my open Viva-Voce scheduled on 01-Sep-2023 after submitting my research thesis and received my PhD degree on 8th Nov, 2023.
- Served as a Reviewer for the ICECI-2023, IJCDS (University of Bahrain), Information Sciences, JKSUCIS (Journal of King Saud University), IJECES
- **PhD Thesis Title:** Analysis and Design of an Efficient Method to Measure Semantic Similarity between Words and Sentences of Software Requirements
- No. of Scopus Journal **(Unpaid)** Papers: 01
- No. of Scopus Journal **(Paid)** Papers: 01
- No. of Other Journal **(Unpaid**) Papers: 01
- No. of Conference Papers (Scopus): 02
- No. of Book Chapter: 11

PROFESSIONAL MEMBERSHIP:
- ISTE
- IAENG

COURSE TAUGHT:

- Database Management Systems (with lab)
- PL/SQL Programming
- Web Technology (with lab)
- Full Stack Web Development (with lab)
- Object Oriented Programming using Java
- Software Engineering
- Python Programming
- Machine Learning within Python Programming
- Data Structures and Algorithms (with lab)
- .Net Framework and C# (with lab)
- Programming Languages (C, C++ &C#)
- Open Source Technologies (PHP, MySQL, Apache, Linux)
- Database Security
- Internet of Things
- Data Warehousing and Mining
- Software Project Management

ADMINISTRATIVE/DEPARTMENTAL RESPONSIBILTY

- Working as Assistant Professor with an additional responsibility of Coordinator-IUCAT (Integral University Centre for Advanced Training).
- Total 43 Skill Development Courses offered in 2023 and organized these courses as IUCAT Coordinator.

- Total 790 students attended the courses offered in last 3 years and successfully completed the same and received e-Certificate.
- Creation of Lecture Notes, PPTs and Quizzes for the academic subjects and skill development courses under Development of the Innovative pedagogy
- Successfully delivered online lectures for the students of MCA Program of Distance Learning and Developed MOOCs lectures for the subject "Data Structure and Algorithms"
- Organized and delivered Pre-Placement Training for MCA Students.
- Course coordinator of BCA & MCA Programs.
- Departmental NAAC Criteria II Incharge.
- Member secretary of lab maintenance team
- Successfully coordinated Semester End (Odd & Even) Practical Examination for the students of BCA and MCA.
- Technical Trainer at iNurture Education Solutions
- Technical Head at PSIT, Kanpur
- Project Manager at OpenSource Technologies Pvt. Ltd.
- Project Manager and Database Architect at SRM Techsol Pvt. Ltd.
- Project Leader & Database Developer at STG International Ltd.
- Coordinator – DBMS Training & Infosys Campus Connect at PSIT, Kanpur

STUDENTS SUPERVISION

- Mohd Zaid Ansari
- Mohd Yusuf
- Abubaker Siddiqui
- Samsuddin Ansari
- Shivakant Pandey
- Avadh Ram Kashyap

PUBLISHED/GRANT PATENTS

(In Bullets)

PUBLISHED/ACCEPTED SCI/SCOPUS RESEARCH PAPERS

- **Farooq Ahmad,** Mohammad Faisal (2021). A Novel Methodology for Measuring Semantic Similarity of Words Using Concept Networks, Published in a SCOPUS indexed journal "Webology" (ISSN: 1735-188X), Volume 18, Special Issue on Computing Technology and Information Management, Pages 1536–1546, September, 2021. http://www.webology.org/abstract.php?id=3784.
- **Farooq Ahmad,** Mohammad Faisal (2022). A Novel Hybrid Methodology for Computing Semantic Similarity between Sentences through various Word Senses. Published in a SCOPUS indexed journal "International Journal of Cognitive Computing in Engineering" (ISSN: 2666-3074), 3, 58–77. https://doi.org/10.1016/j.ijcce.2022.02.001.

PAPER PUBLISHED IN INTERNATIONAL CONFERENCES

- **Farooq Ahmad,** Mohammad Faisal (2021). Comparative Study of Techniques used for Word and Sentence Similarity. Published in the Proceedings of the 8th International Conference on Computing for Sustainable Global Development (INDIACom), published by IEEE. March 2021, Page(s): 607–615. (SCOPUS, ISSN:2169-3536).
- **Farooq Ahmad,** Mohammad Faisal (2024). A Novel Hybrid Methodology for Evaluating Subjective Answers Using Machine Learning and Natural Language Processing. Accepted and will be published in the Proceedings of the 18th World Congress on Engineering Asset Management, Hosted by Indian Institute of Technology Kanpur.

PUBLISHED NON-SCI-SCOPUS BUT PEER REVIEWED RESEARCH PAPERS

- **Farooq Ahmad,** Mohammad Faisal (2023). Assessing Similarity between Software Requirements: A Semantic Approach. Published in "International Journal of Information Engineering and Electronic Business" (ISSN: 2074-9023), 2023, 15(2), 38–53. Published Online on April 8, 2023 by MECS Press (http://www.mecs-press.org/). https://doi.org/10.5815/ijieeb.2023.02.05

BOOK EDITED/ AUTHORED

(In Bullets)

BOOK CHAPTERS

- **F. Ahmad, M. Kumar**. Virtualization in the Cloud. *Cambridge Scholars Publishing,* 2019**, ISBN (10): 1-5275-3556-8**.
- **F. Ahmad, M. Faisal**. Challenges Generated by the Integration of Cloud and IoT. *CRC Press, New York,* 2022**, eBook ISBN: 9781003155577.**
- **F. Ahmad, M. Faisal**. Challenges in Integrating Cloud with IoT. Aargon Press, New Delhi*,* 2022**, eBook ISBN:** 978-93-94070-92-9**.**
- **F. Ahmad, M. Faisal**. Cyber Security Threats during COVID-19 Pandemic. Aargon Press, New Delhi, 2022**, eBook ISBN:** 978-93-94070-92-9**.**
- **Farooq Ahmad, Bably Dolly, Zohaib Khan**. Securing the weakest link - compressive approaches to social engineering attacks prevention: Strategies for Enhancing Organizational Resilience Against Social Engineering Threats. IGI Global, 2024, **eBook ISBN**: 9798369366677. **DOI**: 10.4018/979-8-3693-6665-3
- **Farooq Ahmad, Shweta Dwivedi, Nupur Mittal.** The Internet of Everything- Integrating Connectivity, Data, and Intelligence Across Industries. IGI Global, 2024.

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