



Dr. Anum Kamal
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PROFILE

QUALIFICATION	<ul style="list-style-type: none">• Doctor of Philosophy (Ph. D.), Integral University, Lucknow, (U.P.), India (2024)• Master of Technology (CSE), Integral University, Lucknow, (U.P.), India (2020) with 9.94 CGPA• Bachelor of Technology (CSE), Integral University, Lucknow, (U.P.), India (2018) with 81% aggregate.• ISC, Emma Thompson School, Lucknow, (U.P.), India, with 70% aggregate.• ICSE, Loreto Convent Intermediate College, Lucknow, (U.P.), India, with 79% aggregate.
TEACHING/ RESEARCH/ ESTABLISHMENT EXPERIENCE	<ul style="list-style-type: none">• Assistant Professor, Integral University, Lucknow, India August 2023 – Present• Assistant Professor, Babu Banarasi Das Engineering College, Lucknow, India August 2021 – August 2022• Post-Graduate Trained Teacher, Career Convent Girls College, Lucknow, India January 2020 – August 2021
PUBLICATIONS	Research -2, Chapter – 2, Book – 3, Conferences -1, Patent - 2
RESEARCH GUIDED	M.Tech: Ongoing - 01

WORKSHOP/ QIP/ FDP/ SHORT COURSES	11
ACHIEVEMENTS/ RECOGNITIONS AT THE NATIONAL/ INTERNATIONAL LEVEL	<ul style="list-style-type: none"> • University Silver Medalist (2019 – 2020) Master Of Technology, Dept. Of Computer Science And Engineering Integral University, Lucknow, India • Department Gold Medalist (2019 – 2020) Master Of Technology, Dept. Of Computer Science And Engineering Integral University, Lucknow, India
REVIEWER	International Conference: 01
PROFESSIONAL MEMBERSHIPS	IEANG

RESEARCH INTERESTS

- Machine Learning
- Deep Learning
- Artificial Intelligence

COURSE TAUGHT:

- Machine Learning
- Artificial Intelligence
- Database Management Systems
- Object Oriented Concepts using JAVA
- Data Warehousing and Data Mining
- Cryptography and Network Security
- Real Time Systems

ADMINISTRATIVE AND DEPARTMENTAL RESPONSIBILITY:

- Departmental Mentor-Coordinator for Deeksharambh/orientation since July 2024.
- NAAC Criteria 4 Member since, August 2023
- NBA Criteria 4 Member since, June 2024
- Co-Convenor Departmental Newsletter Committee
- Editor Departmental Newsletter
- Co-Convenor Departmental Alumni Committee
- Club Advisor in the Departmental Art and Culture Club.
- Club Advisor in the Departmental Code Club
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STUDENTS SUPERVISION

- **M.Tech. Thesis:** Ongoing – 1
- **B.Tech. Final year Projects:** Completed – 4, Ongoing – 4

PUBLISHED/GRANT PATENTS

- “Artificial Intelligence Based Nerve Activation Device for Treatment of Peripheral Neuropathy” – UK Design Patent (Design No. 6391254). Granted on: September 2024.
- “Design and Develop a device that predicts the job performance of employees based on emotional intelligence”- Indian Patent (Application No. 202311073759 A). Published on: November 2023.

PUBLISHED SCI/SCOPUS RESEARCH PAPERS

- **Anum Kamal**, Faiyaz Ahmad, “Enhancing Precision in Lung Cancer Detection through CapsuleNet-ResNet Fusion Model” (2024). Journal: Journal of Electrical Systems (JES). Paper ID: JES_2024_05_1977, Manuscript No.: MCN0002701
- **Anum Kamal**, Faiyaz Ahmad, “Enhancing Lung Cancer Detection through a Novel CapsuleNet-ResNet Fusion Model: A Comparative Study on Accuracy and Robustness” (2024). Journal: International Journal of Intelligent Systems and Applications in Engineering (IJISAE). Paper ID: IJISAE_24/04_2513, Manuscript No.: MCN0002419

PAPER PUBLISHED IN INTERNATIONAL CONFERENCES

- Presented paper,” Path Optimization: A Potential Approach to Path Planning using Deep Learning” at an international conference on “Recent Trends in Electrical, Electronics and Computer Science Engineering (ICEECS-2020)”.

BOOK CHAPTERS

- **Anum Kamal**, Faiyaz Ahmad, Aisha Kamal, “Artificial Intelligence and Drones: Revolutionizing Smart Farming through Precision and Automation” (2023). Book Title: Artificial Intelligence and Internet of Things for Smart Agriculture, CRC Press, Taylor and Francis, USA, ISBN; 9781032565873. (Accepted)
- **Anum Kamal**, Faiyaz Ahmad, Aisha Kamal, “Medical Image Analysis: Revolutionizing Diagnosis through Deep Learning” (2024). Book Title: Futuristic Trends in Artificial Intelligence, IIPV3EBS09_G75, IIP Series. e-ISBN: 978-93-6252-541-3 (Published)

OTHER PUBLICATIONS

- Article published “Empowering Working Women: AI-Driven Solutions for Managing Anxiety and Depression in Modern Lifestyle” in International Seminar on **Lifestyle Diseases Working Women’s Health Priorities and Interventions**, organized by Department of Bioengineering, Women’s Grievance Cell, Women’s Study Center, Integral University, Lucknow-India. In Collaboration with: International Society for Medical Food & Nutrition, KGMU on 23rd September 2023.