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DR.SHAN-E-FATIMA

Persona:

An optimistic lady full of life. Believes in smart work. Strong and determined. Sky is not the limit for me.

Education:

Sr. No.	Name of Course/Degree	Name of Institute	Year of Passing	Percentage (%)
1	PhD	Shri Krishna University, Chatarpur, M.P	2023	
2	M. Tech (CSE)	Graphic Era University, Dehradun	2012	72.0
3	B.Tech (IT)	Graphic Era Institute of Technology, Dehradun	2009	76.7
4	Class 12th	SJS Public School Raebareli (CBSE)	2005	69.0
5	Class 10th	SJS Public School Raebareli (CBSE)	2003	85.0

Experience:

Sr. No	Employer-College/University	Post/Designation	Period
1	Khwaja Moinuddin Chishti language University, Lucknow	Assistant Professor in CSE	Continuing since July 2020
2	Feroze Gandhi Institute of Engineering and Technology, Raebareli	Assistant Professor in CSE	2 years
3	Shivalik College of Engineering, Dehradun	Sr. Lecturer in CSE	2 years
4	Graphic Era University, Dehradun	Lecturer in CSE/IT	2 years

Software Skills:

- C
- C++
- SQL
- JAVA
- Python

Areas of Interest:

- Artificial Intelligence and Machine Learning
- Soft Computing
- OOPS
- Big Data
- Software Analysis
- Software Testing
- Network Security and Cryptography
- Fundamentals of Computer and C Programming

Academic Achievements:

- **International Patent Granted** titled IoT based automated green energy management of public gardens
- **Indian Patent Published** titled Enhanced Cybersecurity system for data communication to secure IoT devices
- **Indian Patent Published** titled Energy efficient routing protocol to eradicate spoofing in mobile adhoc networks
- **Indian Patent Published** titled Distributed smart ledgering solution for efficient contract systems based on Blockchain
- **Indian Patent Published** titled A system, method & device for facial expression synthesis
- *Sarva Shiksha Samman* by the Govt.of Uttar Pradesh
- Received ***Emerging Scientist Award*** in the *International Scientist Awards in Engineering, Science and Medicine, INSO Awards*
- Certificate of Participation in O*ne -Week* **Faculty Development Program** on *Quality Assurance in higher Education Institutions: A glance of revised NAAC Framework* held by IQAC, BHU, Varanasi, U.P *18th to 23rd Oct,2021*
- Certificate of Participation in *One-Week* **Faculty Development Program** on *Research Methodology & Paper Publication* held by the Dept. of Commerce KMCLU, Lko *8th to 14th June, 2022*
- Certificate of Participation of 2-day **Workshop** on *NEP 2020 Implementation* held by Aligarh Muslim University
- **Presented paper** on the topic "Performance Enhancement of Underwater Acoustic Communication using Deep Learning Approach" in 3-days ***National Conference on Advancement in Interdisciplinary Research (NCAIR-2021) 29th to 31st July,2021***
- **Presented paper** on the topic "AI Based Multipath Transmission Model for WSN Energy Efficiency" in 3-days ***International Conference*** on *Advancement in Interdisciplinary Research (NCAIR-2021) Oct 26th to 28th, 2021*
- **Presented paper** on the topic "Detection of under water changes using Artificial Intelligence to establish the Acoustic Networks" in 2-day **National Seminar** on *Climate Change, Environment, & Sustainable Development (CCESD-2022) scheduled on 24-25, Aug 2022 at KMC Language University, Lucknow, U.P*
- **Research paper** titled "Speaker Recognition in the case of emotional environment

using transformation of speech features" published in International Journal ACM ICPS and is indexed by ACM Digital Library

- **Research paper** titled "Image Segmentation using improved watershed algorithm" published in International Journal IJCSIT. ISSN: 0975-9646
- **Research paper** titled "Simulative study based on Mobility Network using Routing Protocol" published in International Journal IJCSIT ISSN: 0975-9646
- **Research paper** titled "Performance Enhancement of Underwater Acoustic Communication using Deep Learning Approach" published in International Journal of Advanced Research IJAR, a Peer Reviewed, Open Access, CrossRef Indexed Journal ISSN 2320-5407
- **Research paper** titled "AI Based Multipath Transmission Model for WSN Energy Efficiency" published in International Journal IJAR, a Peer Reviewed, Open Access, CrossRef Indexed Journal ISSN 2320-5407
- **Research paper** titled "A comprehensive study of underwater sensor acoustic network" published in NIU International Journal of Human Rights & Science ISSN: 2394 – 0298
- **Best Paper Award** in CUBE International Information Technology Conference & Exhibition, Pune, India

Extra-Curricular Achievements/Responsibilities held/holding:

- Convener, IIC Institution's Innovation Council
- BoS Member: Designed Syllabus for B.Tech CSE and M.Tech AIML
- Proctorial Board Member
- Eminent Speaker in International Seminar on New Education Policy & Sustainable Development
- Paper Setter, Evaluator and Examiner
- Mentored and conducted Tech Fest of AIML Projects
- Subject in-charge for B.Tech CSE in AIML
- Subject in-charge for B.Tech CSE in AI & DS
- Supervisor to M.Tech Dissertation
- Generated the official e-mail ids of all the teachers, students and the office staff of KMC Language University, Lucknow
- Framed a proposal for the virtual lab structure
- Asst.Controller Examination
- Convener 15-days Induction Program
- Attended as well as Organised number of Webinars/Seminars
- SPOC and Mentor of Smart India Hackathon 2022, a National Level Govt. Event
- SPOC and Mentor of Smart India Hackathon 2023, a National Level Govt. Event
- Member Website Administration, KMCLU
- Member Cultural Committee, KMCLU
- NAAC Criteria Committee Member
- Sub-Nodal officer of Darpan Dashboard, a govt.project
- Co-Ordinator MoU KMCLU & EduNet, Microsoft
- Received number of participating, organizing and winning certificates in various technical and non-technical events

Hobbies:

- Composing **Poems**
- Filling "Sudoku".
- Playing Badminton
- Collecting Stamps
- Decorating Pots
- Writing Diary

Key Strengths:

- Optimistic
- Focused
- Diligent
- Innovative
- Adaptive

Academic Projects:

1. **Ph.D**
   - An enhanced routing-based model for critical applications in underwater acoustic sensor networks

2. **M.Tech Thesis**

   - Speech Processing: Speaker Recognition in case of emotional environment using transformation of speech features.

3. **B.Tech Projects**

   - Taxation: The project was designed to make the tax calculation easy and accurate
   - Human Resource Recruitment Process: The project meant to make the recruitment process easy for the employees and applicants as well. Website of the institute-Graphic Era Institute of Technology

Industrial Training:

- Bhartiya Sanchar Nigam Limited Raebareli

Personal Details:

Date of Birth:	June 03-1989
Marital status:	Married
Spouse:	Meesam Imam