Dr. Fahmina Taranum,
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H. No. 16-2-35
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PROFILE

To become a successful expert in the field of CSE by channelizing my technical knowledge and skills to ensure personal and professional growth and to contribute to the prosperity of the organization

EMPLOYMENT HISTORY

25 years of teaching experience in Computer Science and Engineering department at Muffakham Jah College of Engineering and Technology

Have guided at least 23 and 35 projects at P.G and U.G level

EDUCATION

Philosophy in Doctorate (CSE), 2021, JNTUH

Masters in Technology (CSE), 2008, JNTUH

Bachelor of Engineering (CSE), 1997, Osmania University.

WEBSITES & SOCIAL LINKS

https://vidwan.inflibnet.ac.in/profile/290219
https://scholar.google.com/citations?user=jRwE_p0AAAAJ&hl=en
https://www.scopus.com/authid/detail.uri?authorId=53867228100
https://www.facebook.com/taranum.khan.982

SKILLS

Professor and CSE specialist

Advanced Technological skills

Excellent work ethics

Good team leadership qualities

Sincere and dedicated

Skilled professional with profound theoretical and practical knowledge of Computer

Ability to conduct co-curricular activities

TECHNICAL SKILLS

Languages: Python, Oracle, C, C++, JAVA

PROFESSIONAL GOALS

Proficient in all Computer Science and Engineering Subjects

Serious commitment to be the best faculty for each group of students

To equip students with technical competence and professional skills necessary to pursue successful career in the education with changing technologies.

Have organized seminars for student's growth is compatible with peer group

PAPER PRESENTATIONS

CONFERENCES

1. Automatic real-time medical mask detection using deep learning to fight COVID-19,*computer Systems Science and Engineering*, vol. 42, no.3, pp. 1181–1198, 2022.
2. Securing Mobile Adhoc networks from black-hole attacks, Frontiers in Artificial Intelligence and Applications, vol. 340, , pp. 285-295, 2021.
3. Legitimate-path Formation for AODV under black hole attack in MANETs, 4th International Conference on Electronics, Communication and Aerospace Technology (ICECA),2020.
4. Detection and Prevention of Blackhole node, 2020 4th International Conference on Electronics, Materials Engineering & Nano-Technology (IEMENTech).

5. Securing Data Packets In Manet Using R-Aodv and ECC and Justifying It using Matlab, 2020 4th International Conference on Electronics, Materials Engineering & Nano-Technology (IEMENTech).
6. Power consumption analysis in multi-hop networks of mobile environments, Futuristic Trends in Network and Communication Technologies: First International Conference, FTNCT 2018, Solan, India, February 9–10, 2018.
7. Maneuvering Black hole attack using different traffic generators in MANETs, Intelligent Systems Technology and Applications-ISTA 2018, Springer Germany.
8. Power Consumption analysis in Multi-hop Networks In Mobile Environments, International conference on Futuristic trends in Network and Communication Technologies -Springer Conference-2018.
9. JPCAP: A Novel Caching Approach for Sniffing Packet in Wired and Wireless Medium", IEEE conference, International Conference on Innovations Engineering and Sciences-2018.
10. Reduction of Power Consumption at Mobile nodes in MANETS, Ninth International Conference on Advances in Communication, Network, and Computing – CNC 2018.
11. Performance Analysis of Routing Protocols based on IPv4 and IPv6, International Conference of Innovative Technologies in Engineering 2018.

JOURNALS

1. Handover Management using IEEE 802.11 and IEEE 802.16 Standards in MANETs, SAMRIDDHI: A Journal of Physical Sciences, Engineering and Technology, 2020.
2. Efficient strategies to reduce power consumption in MANETs, PeerJ Computer Science, DOI 10.7717/peerj-cs.228, 2019.
3. Detection and interception of black hole attack with justification using anomaly based intrusion detection system in MANETs, International Journal of Recent Technology and Engineering, issue 8, vol. 11, pp. 2392-2398, 2019.
4. Proposals on Network Layer Attacks and Their Mitigation Strategies on MANET, IJET, 2018.
5. Power Management Strategies in MANETs – A Review", IJET, 2018.
6. Detection and prevention of black hole attack using Dymo in Manets, Journal of Mobile Computing, Communications & Mobile Networks, vol 5, no.2, 2018.
7. Deploying of black hole attack using Dymo in Manets", IJRECE VOL. 6 ISSUE 2 APR.-JUNE 2018
8. An Approach to measure the performance metrics of IEEE architectures with and without Relay nodes, Helix-The Scientific Explorer, April 2018.
9. Fault tolerant strategies in MANET, Helix-The Scientific Explorer, April 2018.
10. Effects of Mobile Environment on Transaction Management: A Review, International Journal of Electrical, Electronics and Instrumentation Engineering, Volume 2, Issue 4, April 2013, ISSN – 2278-8875(UGC Approved)

CHAPTERS

1. Role of an Optimal Multi-agent Scheduling in Different Applications Using ML, Intech open, Multi-Agent Technologies and Machine Learning, 2023.
2. Digital Forensics Identity to Improve Transparency in Block Chain Technology Using Artificial Intelligence, Artificial Intelligence and Block chain in Digital Forensics, River Publishers, ISBN 9781003374671, Taylor and Francis group, 2023.
3. An Overview of Cyber Physical System (CPS) Security, Threats, and Solutions, Convergence Of Deep Learning In Cyber-Iot Systems And Security, Artificial Intelligence And Soft Computing For Industrial transformation, Wiley publication,2022.
4. Custom manufacturing using Industry 4.0: cost-effective industry revolution model, Cloud Analytics for Industry 4.0, De Gruyter, 2022.
5. The Horizontal Handover Mechanism Using IEEE 802.16 E Standard, Emerging IT/ICT and AI Technologies Affecting Society, 2022.
6. Case Study: Intrusion Detection System Using Machine Learning, Machine Learning and Big Data: Concepts, Algorithms, Tools and applications, pp. 455-485, 2020.

PATENTS

1. SMART PATIENT REGISTRATION SYSTEM, Patent No. 356677-001, Published 2023-06-05, Intellectual property India,2023.

2. A SYSTEM AND METHOD FOR CONTROLLING DEPLOYMENT OF IOT DEVICES OVER WIRELESS NETWORKS WITH AN ADAPTIVE GATEWAY, 45/2021, 2021.

PERSONAL PROFILE
Name: Fahmina Taranum
DOB: 04 March 1974
Cell: 9394754916
Email: ftaranum@yahoo.com
Religion: Islam.
Nationality: Indian
Marital status: Married.
Language Proficiency: Hindi, Telugu, English, Urdu and Arabic.