Dr. Firoj Ahamad

Contact:

firjnu@gmail.com
g.fahamad@jmi.ac.in
+91 7379474069

Address:
A-116, Fatima Apartment
Jauhari Farm, Jamia

EDUCATION

Ph.D. 2025
Computer Science and Engineering
School of Computer and Systems Sciences,
Jawaharlal Nehru University
New Delhi, India.

Thesis Title: Security from Sybil Attack for Localization in WSN.

M.Tech. (Hons.) 2016
Information Technology
Department of Computer Engineering,
Madan Mohan Malviya University of Technology,
Gorakhpur, India.

B. Tech. 2012
Department of Computer Engineering, Gautam Buddha Technical University,
Lucknow, India.

NET 2019
University Grant Commission (UGC)

GATE 2021
Indian Institute of Technology (IIT)

PG Diploma in Yoga 2020
Rajarshi Tendon Open University,
Prayagraj, India

PG Diploma in Cyber Security 2019
Relearn Academy,
Gurugram, India

PG Diploma in Disaster Management 2024
Indira Gandhi National Open University, India

ACADEMIC EXPERIENCE

1. **Assistant Professor**   August 2024 - to date
   Department of Computer Engineering, Faculty of Engineering and Technology, Jamia Millia Islamia, Central University, New Delhi, India.

2. **Assistant Professor**   More than 10 Years
   Department of Computer Science and Engineering,
   RD Engineering College Ghaziabad, India.

Courses Teaching/taught at PG level
- *Data Science*
- *Big Data Systems and Analytics*
- *Wireless Sensor Network*
- *Advance Computer Network*

Courses Teaching/taught at UG level
- Android Application
- *Parallel and Distributed Computing*
- Fundamentals of Computing
- Data Structure and Algorithm
- Operating Systems
- *Genetic Algorithm*

ADMINISTRATIVE EXPERIENCE

Proctor: RD Engineering College, Ghaziabad, India   More Than Five years

TRAININGS

- A one-week (From 05th February to 14th February 2024) Faculty Development Program on NEP 2020 Orientation & Sensitization Programme under **Malaviya Mission Teacher Training Programme (MM-TTP)** of University Grants Commission (UGC) Organized by MMTTC, Jamia Millia Islamia, New Delhi.

- A one-week (From 13 JUL 2023 to 26 JUL 2023) Refresher Course on "Vedic Mathematics" at Ramanujan College, DU.

- A one-week (From 23rd November 2020 to 27th November 2020) Faculty Development Program on **"Cyber Security"** *Under the Aegis of* All India Council for Technical Education (AICTE), New Delhi at JNU, New Delhi.

- Two Days (From 8th APR 2020 to 09 APR 2020) National Seminar on "Significant Role of E-education through Social Distancing During Lockdown of Covid-19 Pandemic" at IET, Dr. RML Awadh Univ. Ayodhya.

- A one-week (From 12 MAR 2018 to 16 MAR 2018) Faculty Development Program on "Soft Computing Approaches and its Applications" at IET Lucknow.

- Workshop on "Renewable Energy and Environment" on 27 Feb 2018 at IET Lucknow.

- A one-week (From 05 Feb 2018 to 09 Feb 2018) Faculty Development Program on "Mobile Application Development using android Programming" at IET Lucknow.

- A one-week (From 17 Oct 2016 to 21 Oct 2016) Faculty Development Program on "Computer Based Security: Issues and Challenges" at KNIT Sultanpur.

SOFTWARE SKILLS

Hadoop, Python, MATLAB-21. a, SQL, C-Lang, C++, MS office, Linux.

ADMINISTRATIVE EXPERIENCE

Proctor: RD Engineering College, Ghaziabad, India   More Than Five years

PUBLICATIONS

JOURNALS

- **F Ahamad**, Sheereen Saleem, "भारतीय परिदृश्य में अनुवाद का इतिहास, विकास एवं भूमिका", **International** Journal of Research and Analytical Reviews (IJRAR), pp. 635-638, E-ISSN 2348-1269, P-ISSN 2349-5138, Volume-11, Issue-1 February 2024.

- **F Ahamad**, **"A Hybrid Localization Of Apit In WSN Using Secure Quantum Based Crypto Algorithm For Sybil Attack Detection And Prevention"**, Journal Of Optoelectronics Laser, pp. 585-590, IISN 1005-0086, Volume-41, Issue-10, Oct 24, 2022.

- **F Ahamad**, K SINGH, P PANDEY, A R MISHRA and A SEWAK, "**Brain Tumor Classification using Conventional Machine Learning Algorithms**", Neuro Quantology, pp. 78-86, IISN 1303-5150, Volume-19, Issue-3, March 2021.

- **F Ahamad**, K SINGH, P PANDEY, A R MISHRA and A SEWAK, **"Heterogeneous Clustering Protocol in Wireless Sensor Networks: A Study**," Parishodh, pp. 4164-4173, IISN 2347-6648, Volume-9, Issue-2, February 2020.

CONFERENCES

- **F Ahamad, "Inspecting and Finding Faults in Railway Tracks using Wireless Sensor Networks."** International Conference on Inventive Computation Technologies (ICICT 2023) IEEE Xplore Part Number: CFP23F70-ART; ISSN: 979-8-3503-9849-6, Page no. 1241-1245.

- **F Ahamad, "Energy Efficient Hybrid Routing for different Energy levels using Fuzzy Logic."** International Conference on IoT, Communication and Automation Technology - 2023 (ICICAT - 2023), ISSN: 979-8-3503-0282-0.

- **F Ahamad** and Rakesh Kumar, **"Energy Efficient Region Based Clustering Algorithm for WSN using Fuzzy Logic",** IEEE International Conference on Recent Trends in Electronics, Information & Communication Technology (RTEICT-2016), pp. 1020-1024, May 20-21, 2016.

- **F Ahamad** and Rakesh Kumar, **"Cluster Head Selection Scheme for Wireless Sensor Networks Based On Fuzzy Prediction",** Proceedings of the National Conference on Advanced Computational Science & Technology (NCACT-2016), pp. 208-212, ISBN: 978-93-84224-49-3, March 4-5, 2016.

BOOKS

- **F Ahamad,** "A Text Book on Problem Solving Using C", BR Publications, ISBN 978-81970539-4-8, February, 2024.

- **F Ahamad,** Abhilash Reddy, Dr. Gitanjali J and Dr. Ravindra Raman, "A Text Book on Cyber Security", **BR Publications**, ISBN 978-81-9716-49-5-8, Volume-41, **March**, **2024**.

PATENTS

NATIONAL
- **F Ahamad**, Firoj Ahamad, "Next-Gen Society through Artificial Intelligence, Block Chain, and IOT-Based Cloud Application Security", Indian Patent, January, 2024.

INTERNATIONAL
- **F Ahamad**, "Brain Tumor Detection Device", UK Design February, 2024.
- **F Ahamad**, "AI Based Plant Extract Analyzing Device To Identifying Disease", UK Design, March, 2024.

RESEARCH AREA

Wireless Sensor Network, Network Security, Quantum Computing, ML and Deep Learning.

HONORS AND AWARDS

- Visionary EduLeader Award, Maa Shakumbari Trust   2025
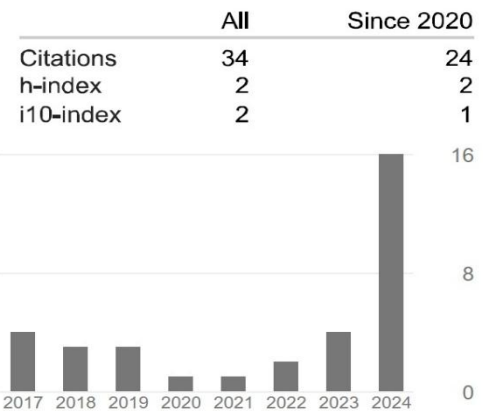
CONTRIBUTED TALKS

- Presented paper in 6th Prof. Vijaya Agarwal Memorial International Conference on Microwave Absorbing Materials (VAMMAM- 2022), jointly organized by IIT Roorkee and NIT Patna: **F. Ahamad**, "A Hybrid Localization of APIT in WSN Using Secure Quantum-based Crypto Algorithm for Sybil Attack Detection and Prevention".

- Presented paper in 6th Prof. Vijaya Agarwal Memorial International Conference on Microwave Absorbing Materials (VAMMAM- 2022), jointly organized by IIT Roorkee and NIT Patna: **F. Ahamad**, "Brain Tumor Classification Using Conventional Machine Learning Algorithms".

- Presented paper in 6th Prof. Vijaya Agarwal Memorial International Conference on Microwave Absorbing Materials (VAMMAM- 2022), jointly organized by IIT Roorkee and NIT Patna: **F. Ahamad**, "Heterogeneous Clustering Protocol in Wireless Sensor Networks: A Study"

- Presented paper in INTERNATIONAL CONFERENCE ON Organized By Buddha Institute of Technology, Gorakhpur, U.P: **F. Ahamad**, "Energy Efficient Hybrid Routing for different Energy levels using Fuzzy Logic".

- Presented paper in 6th International Conference on Inventive Computation Technologies (ICICT 2023) organized by Tribhuvan University, Pulchowk Campus, Lalitpur, Nepal: **F. Ahamad**, "Energy Efficient Hybrid Routing for different Energy levels using Fuzzy Logic".

Dr. Firoj Ahamad

Assistant Professor, Jamia Millia Islamia, New Delhi

Wireless Sensor Network
Cyber Security
Big Data Analytics
Quantum Computing
Localization

Google Scholar Profile

INVITED TALKS

- Resource person under SIDBI Entrepreneurship Project organized by Delhi Skill and Entrepreneurship University (DSEU), Dwarka Campus, Delhi: **F. Ahamad**, "IT analytics -Story Telling With Data: How should I maximize my Digital RoI?".
- Invited lecture organized by Veer Bahadur Singh Purvanchal University, Jaunpur U.P in 2020.: **F. Ahamad**, "Wireless Sensor Network".
- Invited lecture organized by Veer Bahadur Singh Purvanchal University, Jaunpur U.P in 2024.: **F. Ahamad**, "Web and App Security".

REVIEWER IN JOURNALS

- Serving as a reviewer of the IEEE Journal.
- Serving as a reviewer of EquinOCS (Springer Nature).

LANGUAGES KNOWN

1. Technical Proficiency: English, Urdu, Hindi, Sanskrit, Bhojpuri
2. Basic Level: Arabic
3. Beginner Level: Persian

REFERENCES

1. **Professor D. K. Lobiyal**, JNU New Delhi, India
   Email: **lobiyal@gmail.com**
2. **Professor Zahid Raza**, JNU New Delhi, India
   Email: **zahidraza@mail.jnu.ac**
3. **Professor Rakesh Kumar**, MMMUT Gorakhpur, India
   Email: **rkiitr@gmail.com**
4. **Professor Udaishankar**, MMMUT Gorakhpur, India
   Email: **udaigkp@gmail.com**