

FAHEEM SYEED MASOODI



+973 – 33729581



faheem.masoodi@polytechnic.bh



<https://cs.uok.edu.in/Main/Default.aspx>



Bahrain Polytechnic, Bahrain.

EDUCATION

Post-Doc

Kuala Lumpur University of Science and Technology, Malaysia

2025–Pursuing

Ph.D.

Aligarh Muslim University, INDIA

2010 – 2014

Summer Fellowship (CEMSAC-2014):

Cryptography CENTRE HENRI LEBESGUE

University of Rennes, FRANCE

2014

Fellowship (SP-ASCrypto-2011)

Advance School of Cryptography

University of Campinas, BRASIL

2011

Masters in Computer Applications

University of Kashmir

2006 – 2009

Bachelors in Computer Applications

University of Kashmir

2003 – 2005

SPECIALISATION

- Ethical Hacking
- Cyber Security
- Cryptography
- Threat Intelligence
- Intrusion Detection
- Financial Security

Experience



2025 – Present (Bahrain Polytechnic, Bahrain)

Associate Professor (Cyber Security)

- Delivered courses like Ethical Hacking & Threat Intelligence
- Supervising final-year student projects
- Published high-impact research in top-tier journals
- Organized/Chaired conference special sessions
- Presented invited talks at international forums



2026 (Jan-May) (British University of Bahrain/ Salford University)

Associate Professor (Visiting Faculty)

- Delivered course Coding in R for psychology



2017 – 2024 (University of Kashmir, India)

Sr. Assistant Professor (Cyber Security)

- Obtained funding for Research Project.
- Guided PhD Scholars/ post graduate students
- Organized Seminars, conference sessions, FDPs
- Designed Curriculum for Four Year Under-Grad Program and Post-Grad Program under National Educational Policy (NEP)
- Developed MOOCS course “DESIGN AND ANALYSIS OF ALGORITHMS” launched on Indian National MOOC platform SWAYAM portal



2014 – 2016 (Jizan University, Saudi Arabia)

Assistant Professor (Network Security)

- Developed curriculum in alignment with ABET & NCAA standards.
- Mentored graduate students in thesis research and development
- Researched and wrote articles on Cyber Security for professional journals and publications
- Delivered Invited talks at various conferences and seminars



2013 – 2014 (NMEICT-MHRD, Govt. of India).

Project Scientist

- Devised and initiated engineering solutions to three projects including Library Management System (LIBMS), Election Management System (EMS) and Alumni Management System (AMS).

Fellowship



2026 – 2028 (INTI International University, Malaysia)

Senior Research Fellow

2025-2026 (Advance HE, London, UK)

Associate Fellow (AFHEA)

2023 – 2025 (INTI International University, Malaysia)

Research Fellow

PUBLICATIONS

JOURNALS

- Mohd Zain Khan, Anjum Zameer Bhat, Mohammad Ubaidullah Bokhari, Faheem Syeed Masoodi, “*SE-IADM: An Optimized Stacked Ensemble Model for Smart IoT Attack Detection Using Hybrid Feature Selection*”, CMC-Computers, Materials & Continua, Tech Science Press, 2026. (Accepted)
- Ram Baksh, Samiulla Itoo, Lalit Kumar Soma , Musheer Ahmad , and Faheem Syeed Masoodi, “*Enhancing Medical Data Protection with a Resilient ECC and Blockchain Authentication Framework*”, Information Security Journal: A Global Perspective, Taylor and Francis Group, 2025
- Samiulla Itoo, Musheer Ahmad and Faheem Syeed Masoodi, “*Ensuring Secure Connectivity in Smart Vehicular to Grid Technology: An Elliptic Curve-based Authentication Key Agreement Framework*” Journal of Sustainable Energy, Grids and Networks, Elsevier, 2025
- Aamir S. Ahanger, Sajad M. Khan, Faheem Masoodi and Ayodeji Olalekan Salau, “*Advanced intrusion detection in internet of things using graph attention networks*” Scientific Reports, Springer, 15(9831), 2025
- Ram Baksh, Samiulla Itoo, Lalit Kumar Soma , Musheer Ahmad , and Faheem Syeed Masoodi, “*Securing Medical Data with an Advanced ECC and Blockchain-Based Authentication Framework*” International Journal of Applied Cryptography, Inderscience: 2025
- Rabia Nazir, Javaid Iqbal and Faheem Syeed Masoodi, “*Developing an innovative Imperfect Debugging Software Reliability Growth Model with enhanced Testing Coverage strategies.*”, International Journal of Reliability, Quality and Safety Engineering, 2024
- Pandow, B. A., Masoodi, F., & Punjabi, H. A.. Impact of COVID-19 on Banking and the Imperative for FinTech and Digital Transformation: A Case Study. *Pacific Business Review International*, 17(6). 2024
- Shaheena Aziz, Mohammad Ishfaq Mir, M Amin Dar and Faheem S Masoodi, “*ChatGPT in Teaching-Learning and Research, A Systematic Review*”, Asia Pacific Journal of Educators and Education, Vol 39(1), 2024
- Abdoh Jabbari, Tawseef A. Teli, Faheem Masoodi, Faheem a. reegu, Mueen Uddin, Ashwag albakri, “*Prioritizing the Factors for the Adoption of IoT-based Smart Irrigation in Saudi Arabia: A Comparative GRA/AHP Approach*” Frontiers in Agronomy: 06(01), 2024
- Abdul Humayed, Abdoh Jabbari, Faheem Ahmad Reegu, Mueen Uddin, Faheem Syeed Masoodi, “*Driving the Future: Design and Implementation of an Advanced Smart Car Network Simulation Platform for Education*”, Gorteria, 64 (1), 2024

- Samiulla Itoo, Lalit Kumar Soma , Musheer Ahmada , Ram Baksha and Faheem Syeed Masoodi, “A Robust ECC-based Authentication Framework for Energy Internet (EI)-based Vehicle to Grid Communication System” Journal of Vehicular Communications: 41, Elsevier, 2023
- Masoodi, F, Abrar, I and Bahmdi, “An effective intrusion detection system using homogeneous ensemble techniques”, International Journal of Information Security and Privacy, IGI Global, 2022.
- Masoodi, F. “Machine Learning for Classification analysis of Intrusion Detection on NSL-KDD Dataset.” Turkish Journal of Computer and Mathematics Education (TURCOMAT), 12(10), 2286- 2293. (2021)
- Faheem S Masoodi, Bilal A Pandow, “Internet of Things: Financial Perspective and its associated security concerns”, International Journal of Electronic Finance, (2020)
- Alwi M. Bamhdi, Iram Abrar, Faheem Masoodi, “An ensemble based approach for effective intrusion detection using majority voting”, TELKOMNIKA, (2020) UAD
- Pandow, Bilal Ahmad, Alwi M. Bamhdi, and Faheem Masoodi. "IoT: Financial Perspective and Associated Security Concerns." International Journal of Computer Theory and Engineering (2020).
- Masoodi, Faheem, et al. "Security & Privacy Threats, Attacks and Countermeasures in INTERNET OF THINGS." International Journal of Network Security & Its Applications (2019)
- Faheem Masoodi, Shadab Alam, M U Bokhari, ”An Analysis of LinearFeedback Shift Register Based Stream Ciphers”, International Journal of Computer Applications, (2012)
- Bokhari, M. U, Shadab Alam, and Faheem Syeed Masoodi, “Cryptanalysis Techniques for Stream Ciphers: A Survey” International Journal of Computer Applications, (2012)
- Faheem Masoodi, Shadab Alam, M U Bokhari, ”SOBER Family Of Stream Ciphers”, International Journal of Computer Applications, (2011)

BOOKS

Faheem Syeed Masoodi, “Generative AI for Cyber Security: Threats, Defenses, and Future Directions” Springer, 2026, (Accepted)

Bilal A Pandow, Faheem Syeed Masoodi, Philipe Pringuet, Rashid Khalil, Sayed Mohamed Fadhel, “Quantum Intelligence for Finance: Integrating Quantum Computing and AI for Financial Transformation”, Springer, 2026, (Accepted)

Faheem Syeed Masoodi, Nusrat Khan, Abhisekh Kumar, Bilal A Pandow B, and AAtif Khan, “Advancements in Financial Risk Prediction: From Classical Theories to AI and Beyond” ISTE Wiley, 2026, (Accepted)

Pramod Singh Rathore, Kumar Abhishek, Surbhi Khan, Masoodi Faheem Syeed, Fatima Asiri, and T RajaSantosh Kumar “AI Modernization Techniques for Contemporary Trends, CRC Press, Taylor and Francis Group, 2026.

Kumar Abhishek, Pramod Singh Rathore, Batta Priya and Masoodi Faheem Syeed, “Communications Protocol for Quantum Federated Learning in Healthcare”, CRC Press, Taylor and Francis Group, 2026, (Accepted)

M Amin Dar, Muhammad Muzamil, Faheem Syeed Masoodi, Sumeer Gul and Aasia Maqbool, “Equity and Quality in Higher Education: Examining Policies for Global Competitiveness”, Springer 2026

Pandow B, Masoodi F, K Rashid, and Z Hussain, “Beyond Oil: Harnessing AI and ML for the GCC’s Digital Financial Transformation” Bentham Sciences, 2026, (InPrint)

Masoodi Faheem, and Bamhdi A, “Deep Learning for Intrusion Detection: Techniques and Applications”, Wiley, 2025, ISBN: 9781394285167

Iqbal J, Bamhdi A, Pandow B and Masoodi F, “Applying Blockchain Technology: Concepts & Trends”, Taylor & Francis Group, 2025, ISBN: 9781032637037

Masoodi Faheem, Khalid Dar and Zubair Masoodi, “Digital and Technological Solutions”, BPB Press, 2024 ISBN: 9789355519153

Pandow B, Masoodi F, Iqbal J, and Hussain G, “Navigating the Future of Finance in the Age of AI” IGI Global, 2024 ISBN: 9798369343821

Masoodi F, Bamhdi A, Manocha A, Teli TA, Zubair M, and Reegu F, “Internet of Things: Applications and Techniques”, CRC Press, Taylor and Francis Group 2024, ISBN: 1032593951

Masoodi F, Bamhdi A, Churoo M, Zubair M, and Hussain G, “IoT Vulnerabilities and Recovery Strategies”, Taylor & Francis Group 2024, ISBN:1032473312

Iqbal, J; Faheem Syeed Masoodi ; Malik, I; Khurshid S; Saraf I and Bahmdi Alwi, “System Reliability and Security: Techniques and Methodologies”, CRC Press, Taylor and Francis Group. 2023, ISBN: 1032386928

Faheem Syeed Masoodi, F, Quasim T, Bukhari S N, Dixit S, and Alam S, “Applications of Machine Learning and Deep Learning on Biological Data”, CRC Press, Taylor and Francis Group, 2022, ISBN: 1032214376.

BOOK CHAPTERS

- Faheem Syeed Masoodi, “Intrusion Detection in the Age of Deep Learning: An Introduction”, Deep Learning for Intrusion Detection: Techniques and Applications, Wiley, 2026.
- Singh, Anushikha, Inam Ul Haq, Nehul Jain, Rohit Kumar, Mushtaq Ahmad Rather, and Faheem Syeed Masoodi. "Hybrid Quantum–Classical Learning Architectures for 6G/7G Edge Intelligence." In Deep Quantum Neural Networks: AI for 6G/7G Communication Systems, pp. 211-225, 2026
- Wasia Ashraf, Faheem Syeed Masoodi, Asra Khanam, “Dataset for Evaluating Deep Learning Based Intrusion”, Deep Learning for Intrusion Detection: Techniques and Applications, Wiley, 2026.
- Haq, Inam Ul, Anushikha Singh, Nehul Jain, Mushtaq Ahmad Rather, and Faheem Syeed Masoodi. "Quantum Convolutional Neural Networks for Intelligent Spectrum Management in 6G/7G." In Deep Quantum Neural Networks: AI for 6G/7G Communication Systems, pp. 227-236, 2026
- Aamir Salam, Asra Khanam, Faheem Syeed Masoodi, Bilal Ahmad Pandow, “A Deep Learning Approach for the Detection of Zero-day Attacks”, Deep Learning for Intrusion Detection: Techniques and Applications, Wiley, 2026.
- Haq, Inam Ul, Aabiroo Yousuf, and Faheem Syeed Masoodi. "Integrating Blockchain and Metaverse for Next Generation Smart Healthcare Networks." In Blockchain Enabled Metaverse for Smart Wireless Sensor Networks, pp. 157-170., 2026
- Shah, Shifa, Jaffar Amin, and Faheem Syeed Masoodi. "Bridging the Digital and Physical Worlds by Cyber-Physical Systems." In Cyber-Physical System for Rural Development, pp. 1-19. Chapman and Hall/CRC, 2025
- Bilal A Pandow, Faheem Syeed Masoodi, and Gousiya Hussain, “Can Blockchain Technology Be an Enabler for Climate Finance?”, Applying Blockchain Technology, 2025, CRC Press, Taylor and Francis
- Aamir Salam Ahanger, Faheem Syeed Masoodi, Asra Khanam, and Wasia Ashraf “Managing and Securing Information Storage in Internet of Things”, Internet of Things Vulnerabilities and Recovery Strategies, 2024, CRC Press.
- A Khanam, FS Masoodi, A Bamhdi, “From data to insights: Leveraging machine learning for diabetes management”, A Biologist s Guide to Artificial Intelligence, 97-123, Elsevier, 2024
- Khurshid Ali Ganai, Bilal Ahmad Pandow, and Faheem Syeed Masoodi, “IoT-Enabled Financial Inclusion: Challenges, Opportunities, and Policy Implications”, Internet of Things Applications and Technology, 2024 Taylor and Francis
- Mohammad Amin Dar, Insha Rasool, and Faheem Syeed Masoodi, “Healthier Horizons: Exploring IoT’s Impact on Education and Well-Being”, Internet of Things Applications and Technology, 2024 Taylor and Francis

- Suhail Qadir, Alwi M Bahmdi and Faheem Masoodi, “Definitive Guide to Software Security Metrics”, System Reliability and Security, Techniques and Methodologies, 2023, CRC Press.
- Tawseef Ahmed Teli, Alwi M Bahmdi, Faheem Masoodi, and Vahida Akhter, “Software Security”, System Reliability and Security, Techniques and Methodologies, 2023, CRC Press.
- Syed Nisar Hussain Bukhari, Faheem Masoodi, Muneer Ahmad Dar, Nisar IqbalWani, Adfar Sajad and Gousiya Hussain, “Prediction of Squamous Diseases Using Machine Learning”, Application of Machine Learning and Deep Learning on Biological Data” 2022, CRC Press, Taylor and Francis.
- Tawseef Ahmed Teli, Faheem Syed Masoodi and Zubair Masoodi “Application of Machine Learning and Deep Learning on Biological Data” 2022, CRC Press, Taylor and Francis
- Iram Abrar, Sahil Pottoo, Faheem Masoodi and Alwi M Bahmdi, “Challenges Generated by Integration of Clod and IoT” Integration and Implementation of the Internet of Things Through Cloud Computing, (2021) IGI Global.
- Tawseef Ahmed Teli, Faheem Syeed Masoodi and Alwi M Bahmdi, “HIBE: Hierarchical Identity Based Encryption” Functional Encryption (2021) Springer
- Iram Abrar, Zahrah Ayub and Faheem Masoodi, “Current Trends and Future Scope for the Internet of Things” Internet of Things in Business Transformation. (2020) Wiley
- Masoodi, Faheem Syeed, and Mohammad Ubaidullah Bokhari. "Symmetric Algorithms I." Emerging Security Algorithms and Techniques (2019) Taylor and Francis

CONFERENCES

- Asra Khanum and Faheem S Masoodi, " The Precision Diabetes Engine: Turning Patient Data into Better Prescriptions", 7th International Conference on Data Analytics & Management (ICDAM-2026), London, UK (Accepted)
- Faheem Syeed Masoodi, Omar Fayyad, Maryam, Mezna, An Optimized Stacking Ensemble Framework for Credit Card Fraud Detection Using SMOTE-ENN and LightGBM, 3rd International Conference on Advancing Sustainable Future, ICASF 2026, Abu Dhabi, UAE.
- W. Ashraf and Faheem S Masoodi, " Machine Learning Intrusion Detection System for Internet of Vehicles Using Car Hacking Dataset," 2026 13th International Conference on Computing for Sustainable Global Development (IEEE-INDIACom), New Delhi, India, 2026.
- Bhat, Anjum Zameer, Faheem Sayeed Masoodi, Said KHAMIS KHALAF Al Musilhi, and Jitendra Pandey. "Smart Governance using an Integrated IoT Model in the Sultanate of Oman: Architecture and Pilots." In Proceedings of the 13th International Conference on Information Technology: IoT and Smart City, pp. 38-44. 2025.

- Mohammad Ubaidullah Bokhari, Mohd Zain Khan, Faheem Syeed Masoodi, Md Zeyadduin, “Bagging Ensemble Model Performance in IoT Cyberattack Detection: A Comprehensive Evaluation”, 2025 12th International Conference on Computing for Sustainable Global Development (IEEE-INDIACom), New Delhi, India, 2025
- Mohammad Ubaidullah Bokhari, Mohd Zain Khan, Faheem Syeed Masoodi, A Hybrid Approach to Feature Selection for Cyber Threat Detection in IoT Networks, 3rd IEEE International Conference on Device Intelligence, Computing and Communication Technologies (DICCT), 2025
- W. Ashraf, Aamir Ahanger, and Faheem S Masoodi, " Enhancing Intrusion Detection using Supervised Machine Learning Algorithms," 2024 11th International Conference on Computing for Sustainable Global Development (IEEE-INDIACom), New Delhi, India, 2024, pp. 1404-1408,
- Asra Khannum and Faheem S Masoodi, " Early Detection of Type-2 Diabetes Mellitus using Machine Learning based Prediction Models," 2024 11th International Conference on Computing for Sustainable Global Development (IEEE-INDIACom), New Delhi, India, 2024, pp. 1398-1403, IEEE Xplore
- S. Arshad, W. Ashraf, S. Ashraf, I. Hassan and F. S. Masoodi, "Comparative Study of Machine Learning Techniques for Intrusion Detection on CICIDS-2017 Dataset," 2023 10th International Conference on Computing for Sustainable Global Development (IEEE-INDIACom), New Delhi, 2023, pp. 929-934., IEEE Xplore
- S. Ahanger, S. M. Khan and F. S. Masoodi, "Intrusion Detection System for IoT Environment using Ensemble Approaches," 2023 10th International Conference on Computing for Sustainable Global Development (IEEE-INDIACom), New Delhi, India, 2023, pp. 935-938
- T. A. Teli and F. S. Masoodi, "IoT Implementation in India: A Complex Decision Process using GRA/AHP," 2023 10th International Conference on Computing for Sustainable Global Development (IEEE-INDIACom), New Delhi, India, 2023, pp. 773-778.
- S. Ahanger, S. M. Khan and F. Masoodi “Building an Intrusion Detection System using Supervised Machine Learning Classifiers with Feature Selection” ICISC 2022, Vol 436, pp 811-821, LNNS Springer
- U Amin, A Ahanger, F Masoodi, AM Bamhdi, “Ensemble based Effective Intrusion Detection System for Cloud Environment over UNSW-NB15 Dataset”, Conference on Intelligent Systems, 2022, pp 483-494
- R Rahim, AS Ahanger, SM Khan, F Masoodi, “Analysis of IDS using Feature Selection Approach on NSL-KDD Dataset”, Conference on Intelligent Systems, 2022. pp 475-481
- S Jan, F Masoodi, AM Bamhdi, “Effective Intrusion Detection in IoT Environment: Deep Learning Approach”, Conference on Intelligent Systems, 2022, pp 495-502
- Tawseef Ahmed Teli and Faheem Masoodi “Blockchain in Healthcare: Challenges and Opportunities”, ICICNIS 2021, ELSEVIER

- S. Ahanger, S. M. Khan and F. Masoodi, "An Effective Intrusion Detection System using Supervised Machine Learning Techniques," 2021 5th International conference on Computing Methodologies and Communication (ICCMC), 2021.
- Tawseef Ahmed Teli, Faheem Masoodi, Rameez Yousuf, "Security Concerns and privacy preservation in blockchain based IoT Systems: Opportunities and Challenges", ICICNIS 2020
- Abrar, Iram, et al. "A Machine Learning Approach for Intrusion Detection System on NSL-KDD Dataset." 2020 International Conference on Smart Electronics and Communication (ICOSEC).(2020)
- Faheem Masoodi, M U Bokhari, "BOKHARI: A new proposed software oriented stream cipher". Proceedings IEEE Xplore WICT- 2013.
- Faheem Masoodi, M U Bokhari, "Comparative Analysis of Structures and Attacks on Various Stream ciphers", INDIAcom 2010.
- M U Bokhari, Shadab Alam, Faheem Masoodi, "Comparative Analysis of PY(ROO) Family of Stream ciphers", ICRITO'2010
- M U Bokhari, Shadab Alam, Faheem Masoodi, "Modern Tools and Technologies for Interactive elearning" INDIAcom 2011.

RESEARCH PROJECTS/ GRANTS

- "Advanced Flood Risk Prediction in Urban Areas Integrating Groundwater, Surface Water, and Microclimate for Enhanced Early Warning Systems", Funded by Department of Science and Technology, Ministry of Education, Govt of India. Amount: 100,00,000 INR (Accepted)
- "A Fuzzy GRA/AHP BASED Comprehensive Analysis of opportunities, Challenges and Implementation of IoT with Indian perspective". Funded by: JK Science Technology & Innovation Council, Department of Science and Technology, Govt. of Jammu & Kashmir. Amount: 4,00,000 INR
- "Computer Numerical Control Machine for Making small woodcarving Articles". Funded by: JK Science Technology & Innovation Council, Department of Science and Technology, Govt. of Jammu & Kashmir. Amount: 4,00,000 INR
- "Identification and Ranking of Adoption Factors for an IoT-based Smart Irrigation Management System in the Kingdom of Saudi Arabia Using GRA/AHP". Funded by: DRC, Ministry of Education, KSA. Amount: 20,000 SAR
- Developing Clinical Decision Support System Using Precision Medicine and Machine Learning Methods for Type 2 Diabetes Drug Management, Young Scholars Grant (YSG), Ministry of Education, KSA

INVITED TALKS/ EXTENSION LECTURES

- Delivered an invited talk on “From Vulnerability to Control: Gaining and Maintaining Access in Compromised Systems”, at the Short Term Programme on Cyber Security, organized by UGC-Malviya Mission Teacher Training Centre, University of Kashmir, 2026
- Delivered an invited lecture on “AI, Ethics, and Cybersecurity: Balancing Innovation with Integrity” at the Faculty Development Program on Use of AI & Ethics in Research ICT organized by UGC-Malviya Mission Teacher Training Centre, University of Kashmir, 2025
- Delivered an invited talk on “AI in Cybersecurity: Transformative Potential and Emerging Risks” at the 2 Week Engineering Conclave 2025, organized by SCETW ACM-W, Stanley College of Engineering and Technology for Women, Hyderabad, 2025
- Delivered an invited lecture on “Role of Data in Cyber Security” at the AICTE ATAL FDP on "Innovative Approaches to Cyber Security and Digital Arrest: Exploring legal, technical and ethical dimensions", organised by SSS College of Engineering, RKDF University, Bhopal, India 2025
- Served as a panelist on “Cyber Ethics and Data Privacy in a Connected World” at the 2-Week Engineering Conclave 2025, organized by SCETW ACM-W, Stanley College of Engineering and Technology for Women, Hyderabad, 2025.
- Delivered an invited lecture on “AI’s Transformative impact on Cyber Defence” at the Faculty Development Program on Advanced Trends and Applications in Artificial Intelligence & Machine learning organized by Anand International College of Engineering, 2025
- Delivered an invited lecture on “Phishing, Fraud, and Beyond: The Modern Face of Cybercrime” at the Refresher Course on ICT organized by UGC-Malaviya Mission Teacher Training Centre, University of Kashmir, 2024
- Delivered an invited lecture on “From Malware to Ransomware: An Anatomy of Cyber Threats” at the Refresher Course on Teacher Education organized by UGC-Malaviya Mission Teacher Training Centre, University of Kashmir, 2024
- Delivered an invited lecture on “The Dark Web Unveiled: Understanding Cybercrime in the Digital Age” at the 90th Guru Dakshata Faculty Induction Program organized by UGC-Malaviya Mission Teacher Training Centre, University of Kashmir, Jammu and Kashmir, 2024
- Delivered an invited lecture on “Role of Information & Communication Technology in New education Policy” at a workshop on NEP Orientation and Sensitisation organized by UGC-Malaviya Mission Teacher Training Centre, University of Kashmir, 2024
- Delivered an invited lecture on “Cyber Crimes in the region of Kashmir” at a workshop on NEP Orientation and Sensitisation organized by UGC-Malaviya Mission Teacher Training Centre, University of Kashmir, 2024

- Delivered an invited lecture on “Leveraging AI Tools for Enhancing Research Productivity: Applications, Challenges, and Future Directions” at 90th Faculty Induction Programme, organized by UGC-Malaviya Mission Teacher Training Centre, University of Kashmir, 2024
- Delivered an invited lecture on “Cyber Crimes” at a webinar on Cyber Security organized by UGC- Malaviya Mission Teacher Training Centre, University of Kashmir, 2024
- Delivered an invited talk on “Cyber-Crimes Against Women and Measures thereof” at International Women’s Day organized by Internal Complaints Committee and Institutional Innovation Council of Central University of Kashmir, 2023
- Delivered an invited talk on “Redefining Learning with ICT” at Workshop on Awareness and Use of ICT in Teaching and Learning organized by Department of Education, University of Kashmir, 2023
- Delivered an invited talk on “Revolutionizing Education with ChatGPT: A Hands-On Training” at Workshop on Awareness and Use of ICT in Teaching and Learning organized by Department of Education, University of Kashmir, 2023
- Delivered an invited lecture on “Cyber Security, Ethical Hacking and Cyber Crime” at 88th Guru Dakshta Faculty Induction Program organized by UGC-Human Resource Development Center, University of Kashmir, 2023
- Delivered an invited lecture on “Addressing Security and Privacy Issues in Internet of Medical Things” in an International conference on “Telemedicine in Special Conditions and Special Geographies” organized by Sher-i-Kashmir Institute of Medical Sciences, Soura Srinagar, 2022.
- Delivered an invited lecture on “Cyber Security, Ethical Hacking and Cyber Crime” in a workshop on Cyber Crimes organized by Govt. Degree College, Ganderbal, J&K 2022.
- Delivered an invited lecture on “Cyber Crime against Women” in a workshop on Cyber Crimes organized by Govt. Degree College for Women, Sopore, J&K 2021
- Delivered a talk on “Cyber Security: Attacks and Counter Measures” in a workshop on Cyber Security Awareness organized by Higher Education Department, Govt. of Jammu & Kashmir, GDC Shopian, J&K 2021
- Delivered a talk on “Packet Sniffing and Traffic Analysis using Wireshark” in AICTE Sponsored FDP Cyber Security, Ethical Hacking and Cyber Crime, Organized by Department of Computer Sciences, University of Kashmir. 2021.
- Delivered a talk on “Challenges and opportunities in ICT Enabled Education” in a workshop on ICT Enabled Education: Challenges and Road Ahead, organized by Department of Computer Sciences, GDC WOMEN Anantnag, J&K, 2020
- Delivered a talk on “Role of ICT in Curriculum Framework” in a workshop on Learning Outcomes Based Curriculum Framework, organized by Govt Degree College Baramulla, J&K, 2020

- Delivered a talk on “Redefining Learning and Technology Using Technology” in a workshop on Information and Communication Technology, organized by Government Degree College Sumbal, J&K, 2020
- Delivered a talk on “Role of Information Communication Technology ICT in Education” in a workshop on Information and Communication Technology organized by Higher Education Department, Govt. of Jammu & Kashmir, GDC Shopian, J&K 2020
- Delivered a talk on “ICT and its Impact on Modern day Education” in a workshop on Role of Information Communication Technology in Education, organized by Abdul Ahad Azad Degree College Bemina J&K, 2020.

AWARDS/ FELLOWSHIPS AND HONORS

- Senior Research Fellow, INTI International University Malaysia, 2026 -2028
- Associate Fellow (AFHEA), Advance HE, London UK, 2025-2026
- Research Fellow, INTI International University Malaysia, 2023 -2025
- Full Stipend for (CEMSAC-2014) Conference Effective Moduli Spaces and Application to Cryptography at University of Rennes, France, 2014
- Full Stipend for the (SP-ASCrypto-2011) Sao Paulo Advanced School of Cryptography, University of Campinas, Brazil.
- UGC-Maulana Azad National Fellowship (MANF) for Ph.D. funded by Ministry of Minority Affairs, Govt of India, 2010-2014.

JOURNAL EDITORIAL RESPONSIBILITIES

- **Editorial Board Member, *Discover Computing (Springer Nature)*, 2025–Present**
Responsible for evaluating manuscripts, guiding peer review, and contributing to editorial decisions in artificial intelligence, cybersecurity, and data science, while ensuring high publication standards and promoting impactful multidisciplinary research.
- **Editorial Board Member, *Scientific Reports (Nature Portfolio)*, 2024–Present**
Contribute to editorial decisions and peer review oversight in the areas of artificial intelligence, cybersecurity, and data science for this high-impact multidisciplinary journal.
- **Lead Guest Editor, Special Issue: *Quantum Machine Learning – From Theoretical Foundations to Practical Implementations, Applied Computational Intelligence and Soft Computing (Wiley)*, 2025–2026**
Leading the development and editorial management of a special issue focused on advancements in quantum machine learning.

PH.D. SUPERVISION (AWARDED AND UNDER-GUIDANCE)

Student Name:	Aasia Rehman
Research Topic:	Design and Evaluation of a Novel Convolutional Neural Network Based Model for Segmentation of Lesions
Duration:	2019 – 2024
Status:	Awarded
Student Name:	Aamir Ahanger
Research Topic:	Design of an Efficient Multi-Stage Graph Based Intrusion Detection System for the Internet of Things
Duration:	2020 – Ongoing
Status:	Awarded
Student Name:	Asra Khanum
Research Topic:	Developing Clinical Decision Support System Using Precision Medicine and Machine Learning for Type 2 Diabetes Drug Management
Duration:	2022– Ongoing
Status:	Under Supervision
Student Name:	Wasia Ashraf
Research Topic:	Design of a novel two level classifier for Intrusion Detection in Internet of Vehicles (IoVs)”
Duration:	2022– Ongoing
Status:	Under Supervision
Student Name:	Javaid Ahmad
Research Topic:	Design of an Elliptic Curve Cryptography (ECC) based robust Authentication protocol for Smart Transportation System.
Duration:	2023– Ongoing
Status:	Under Supervision
Student Name:	Sabreena Farooq
Research Topic:	Enhanced Early Warning Systems for Urban Flood Risk Using Machine Learning and Integrated Data Sources
Duration:	2024– Ongoing
Status:	Under Supervision
Student Name:	Mohd Zain Khan
Research Topic:	Intelligent IoT Intrusion Detection Using Hybrid Feature Selection and Stacked Ensemble Learning
Duration:	2023– Ongoing
Status:	Under Supervision

E-LEARNING (MOOCs)

- Developed a MOOC course on DESIGN AND ANALYSIS OF ALGORITHMS for *Consortium for Educational Communication (UGC-CEC)* and launched on MHRD (Govt. of India) supported online learning MOOCS platform SWAYAM.

Total Number of learners enrolled: **13350 learners**
Course Duration: **12 weeks**
Total number of Modules: **37**
Credit Points: **04 Credit course**

WORKSHOPS/ CONFERENCES ORGANISED.

- **Session Chairperson:** INDIACom-2026, 13th International conference on Advancing Technology for Humanity, BVI-CAM New Delhi, 2026
- **International Scientific Committee member:** 3rd International Conference on Advancing Sustainable Futures(ICASF-2025), Abu Dhabi University, UAE 2025
- **Session Chairperson:** INDIACom-2025, 12th International conference on Advancing Technology for Humanity, BVI-CAM New Delhi, 2025
- **Session Chairperson:** INDIACom-2024, 11th International conference on Advancing Technology for Humanity, BVI-CAM New Delhi, 2024
- **Session Chairperson:** INDIACom-2023, 10th International conference on Advancing Technology for Humanity, BVI-CAM New Delhi, 2023
- **Coordinator:** UGC MMTTC Centre funded Two Week NEP Orientation and Sensitisation Course, 2024
- **Coordinator:** UGC MMTTC Centre funded Two Week NEP Orientation and Sensitisation Course, 2023
- **Coordinator:** UGC HRD Centre funded Two Week Refresher Course on “Information Technology (Inter-disciplinary)” 18-31 July, 2023
- **Coordinator:** University of Kashmir funded one day workshop on “FYUP Curriculum framework for undergraduate courses in Computer Sciences”, 2023
- **Coordinator:** AICTE FUNDED one-week ATAL FDP on “Cyber Security, Ethical Hacking and Cyber Crime”. 12-16 July, 2021.
- **Program Committee Member:** International Conference on Natural Language Computing (NATL 2022), Switzerland
- **Program Committee Member:** Conference on software engineering and Data Sciences (CoSEDs 2018), University of Kashmir
- **Session Chairperson:** JK-Science Congress 2018. Organized by University of Kashmir, 2018

WORKSHOPS/ CONFERENCES/ SEMINARS ATTENDED

- One Week Workshop on “Project Proposal Grant Writing and Fellowships” organised by Malaviya Mission Teacher Training Center, University of Kashmir, 2024
- Two Weeks Refresher Course on “Human Rights (INterdisciplinary)” organised by Malaviya Mission Teacher Training Center, University of Kashmir, 2024
- Short-Term Course Malaviya Mission Teacher Training Program on Nep Orientation and Sensitization, University of Kashmir, 01-14 January, 2024
- UGC Sponsored webinar on “MOOCs Development and Delivery”, organised by Malaviya Mission Teacher Training Center, University of Kashmir, 2024
- UGC Sponsored webinar on “Academic Leadership in Tune with NEP-2020”, organised by Malaviya Mission Teacher Training Centre, University of Kashmir.
- One Week Faculty Development Program on “Trends in Technological Intelligence (T2I 2023)” organised by BBDNIIT, Lucknow 2023.
- One Week Workshop on “Machine Learning for Internet of things” organised by IIT Guwahati, 2021.
- One Week Workshop on “Cybersecurity” organised by AICTE, 2020.
- One Day Workshop on “Planning and Organizing Research using Elsevier tools” organised by University of Kashmir, 2020.
- One Week Workshop on “Internet of Things” organised by NTTTR Chandigarh, 2020.
- Two Weeks Refresher Course on “Artificial Intelligence and Machine Learning” organised by JNTU Hyderabad, 2019.
- Four Weeks Orientation Program on “78th General Orientation Program” organised by University of Kashmir, 2017.
- One Week Induction Program on “one-week Induction Program” organised by Institute of Advance Studies, Srinagar, 2017.
- Three Days Workshop on “National Instructional workshop on Cryptology 2012” organised by Manipal University of Jaipur, 2012.
- Four Days Workshop on “National workshop on Cryptography and Number Theory” organised by Banasthali University, 2012.
- Two Days Workshop on “National workshop on Network Security” organised by AMU Aligarh, 2011.
- Two Days Workshop on “National workshop on Information Communication Technology” organised by AMU Aligarh, 2011.
- One Week Workshop on “Short term course on Digital Signaling” organised by AMU Aligarh, 2011.

ADMINISTRATIVE ROLE

- Coordinator UGC-Malaviya Mission Teacher Training Center (erstwhile UGC-Human Resource Development Center), University of Kashmir, 2023-2024
- Member Board of Studies (BOS) for Curriculum design for Five Year Integrated Course Artificial Intelligence and Data Sciences under NEP-2020, University of Kashmir, Srinagar, J&K
- Mentor, 4 Year Under-graduate Programme (FYUG) “Design your Degree”, University of Kashmir, 2024
- Academic Counsellor, Department of Computer Sciences, University of Kashmir, 2023
- Member Board of Studies (BOS) for Curriculum design for Two Year Master in Computer Applications (MCA) under NEP-2020, University of Kashmir, Srinagar, J&K
- Member Board of Studies (BOS) for Curriculum design for Four Year Under-graduate Programme (FYUP) in Computer Applications under NEP-2020, Cluster University Srinagar, J&K, 2023
- DIQA Nodal Officer, Department of Computer Sciences, University of Kashmir, 2019-2024
- Coordinator Board of Studies (BOS) for Curriculum design for Four Year Under-graduate Programme (FYUP) in Computer Applications under NEP-2020, University of Kashmir.
- Member Board of Studies (BOS) for Curriculum design for Master in Technology in Computer Sciences (MTech- Computer Sciences), 2017
- Member Board of Studies (BOS) for Curriculum design for Bachelors in Computer Applications (BCA) 2017
- Member ABET Accreditation Committee, College of Computer Science and Information Systems, Jizan University, 2014-2016

PROFESSIONAL MEMBERSHIPS:

- Member of International Association of Engineers (**IAENG**). **Member ID: 109945**
- Member of International Association of Computer Science and Information Technology (**IACSIT**). **Member ID:80343679**
- Member of Crypto-logical Society of India (**CRSI**) **Member ID:S/0259**

(Dr. Faheem Syeed Masoodi)