Dr. Mritunjay Shall Peelam

Assistant Professor-SG, and Research Faculty, UPES Dehradun

Senior Member, IEEE

Email: mritunjay.iete@gmail.com
Phone: 8745080986
Web: https://scholar.google.com/mspeelam
Location: Mirzapur, Uttar Pradesh, India- 231001

BRIEF SUMMARY

I have completed my Ph.D. in the Department of Electrical and Electronics Engineering at BITS Pilani under the supervision of Prof. Vinay Chamola, with a research focus on the design and development of blockchain-based schemes for Intelligent Transportation Systems (ITS). My research integrates emerging technologies such as Blockchain, Game Theory, Internet of Things (IoT), Edge AI, Multimodal Machine Learning, and Quantum-Resistant Security to develop secure, intelligent, and scalable solutions for next-generation vehicular and cyber-physical systems. Over the years, I have established a strong research profile through publications in leading international journals and conferences, including the *IEEE Internet of Things Journal*, *IEEE Transactions on Intelligent Transportation Systems*, *IEEE Transactions on Consumer Electronics*, *IEEE Access*, *IEEE Open Journal of the Communications Society*, *Vehicular Communications*, *Digital Communications and Networks*, *Computer Applications in Engineering Education (Wiley)*, *Blockchain: Research and Applications*, and presentations at prestigious international conferences such as the *IEEE Global Communications Conference (GLOBECOM)*. My research contributions span Blockchain, Artificial Intelligence, Computer Vision, Machine Learning, Cybersecurity, Quantum-Resistant Cryptography, Internet of Things (IoT), Intelligent Transportation Systems, and Next-Generation Communication Networks. In addition to my research, I am committed to excellence in teaching, curriculum development, student mentoring, and interdisciplinary collaboration. I have designed and delivered undergraduate and postgraduate courses while actively supervising student research projects and fostering innovation through project-based learning. My academic philosophy emphasizes bridging theoretical foundations with practical applications, enabling students to develop strong analytical, problem-solving, and research skills. With a strong publication record, active national and international research collaborations, successful interdisciplinary projects, and a sustained commitment to high-quality teaching, research, and academic leadership, I am confident in my ability to contribute effectively as an **Associate Professor**. I look forward to advancing research excellence, mentoring future researchers, securing competitive research funding, and contributing to the academic growth, innovation ecosystem, and global reputation of the institution.

KEY EXPERTISE

C · C++ · Java · Advance Java · CSS · HTML · C# · Javascript · Automata · Microprocessor · Compiler Design · Algorithm · Computer Graphics · Data Structures · Discrete Mathematics · Operating Systems · Computer Network · Computer Architecture · DBMS · Blockchain · Latex · Overleaf · Artificial Intelligence · Machine Learning · Python · Go Language · Matplotlib · Real Time Systems · Cryptography · Federated Learning · Cosmos Blockchain

EDUCATION

Birla Institute of Technology and Science (BITS, Pilani), Pilani Campus *2022 - 2025*
Ph.D. | Electrical and Electronic Engineering | CGPA: **10**

University School of Information, Communication and Technology (USICT, New Delhi) *2019 - 2021*
M.Tech | Computer Science and Engineering | Percentage: **87.6%**

The Institution of Electronics and Telecommunication Engineers (IETE, New Delhi) *2008 - 2012*

AMIETE | Computer Science and Engineering | CGPA: **7.6**

Gurunank Inter College, Mirzapur, Uttar Pradesh *2006 - 2008*

12th | Science | Percentage: **65%**

Board: UP Board

Sarvoday Public School, Padari Mirzapur *2006*

10th | Science | Percentage: **67.5%**

Board: UP Board

PROFESSIONAL EXPERIENCE

1. **University of Petroleum and Energy Studies (UPES), Dehradun** *21 July 2025 - Present*

   Assisteant Professor Selection Grade and Research Faculty

   Teaching and Research Areas: Multimodal Machine Learning | Large Language Models (LLMs) | Edge AI | Quantum Edge Computing | Blockchain Technology | Intelligent Transportation Systems (ITS) | Federated Learning | Quantum Computing | Internet of Things (IoT)

2. **Pranveer Singh Institute of Technology (PSIT), Kanpur** *2021 - 2022*

   Assistant Professor

   Teaching and Research Areas: Java | Data Structure | C | C++ | Operating System | Computer Architecture | Quantum Computing | Machine Learning

3. **Tejas Engineers Academy** *2012 - 2019*

   Programming Language Trainer

   Teaching and Research Areas: C | C++ | Java | Advance Java | Python

INTERNSHIPS

1. **HCL CDC** *22 Jan, 2012 - 21 Aug, 2012*

   Key Skills: Java | Advanced Java

   During this time, I learned how Java can play a role in computer science.

RESEARCH PUBLICATIONS (PUBLISHED)

1. **Enhancing security using quantum blockchain in consumer IoT networks** *09 December 2024*

   Published | IEEE Transactions on Consumer Electronics | **IF: 9.9** | **Q1** | **SCIE**

   M. S. Peelam, V. Chamola and B. Sikdar, "Enhancing Security Using Quantum Blockchain in Consumer IoT Networks," in *IEEE Transactions on Consumer Electronics*, vol. 71, no. 2, pp. 4819-4837, May 2025, doi: 10.1109/TCE.2024.3512791.

2. **Blockchain-enabled vehicle lifecycle management with predictive maintenance using federated learning** *05 November 2024*

   Published | IEEE Transactions on Consumer Electronics | **IF: 9.9** | **Q1** | **SCIE**

   M. S. Peelam, K. Shah, V. Chamola and B. Sikdar, "Blockchain-Enabled Vehicle Lifecycle Management With Predictive Maintenance Using Federated Learning," in *IEEE Transactions on Consumer Electronics*, vol. 71, no. 2, pp. 6215-6238, May 2025, doi: 10.1109/TCE.2024.3487874.

3 **Explorative implementation of quantum key distribution algorithms for secure consumer electronics networks** *13 June 2024*

Published | IEEE Transactions on Consumer Electronics | **IF: 9.9** | **Q1** | **SCIE**

M. S. Peelam, S. Sai and V. Chamola, "Explorative Implementation of Quantum Key Distribution Algorithms for Secure Consumer Electronics Networks," in *IEEE Transactions on Consumer Electronics*, vol. 70, no. 3, pp. 5576-5584, Aug. 2024, doi: 10.1109/TCE.2024.3413768.

4 **A review on emergency vehicle management for intelligent transportation systems** *20 August 2024*

Published | IEEE transactions on intelligent transportation systems | **IF: 9.1** | **Q1** | **SCIE**

M. S. Peelam, Naren, M. Gera, V. Chamola and S. Zeadally, "A Review on Emergency Vehicle Management for Intelligent Transportation Systems," in *IEEE Transactions on Intelligent Transportation Systems*, vol. 25, no. 11, pp. 15229-15246, Nov. 2024, doi: 10.1109/TITS.2024.3440474.

5 **Blockchain-Enabled Secure V2V and V2G Energy Trading for Carbon-Aware Internet of Energy (IoE) Networks** *03 November 2025*

Published | IEEE Network | **IF: 8.8** | **Q1** | **SCIE**

M. S. Peelam and V. Chamola, "Blockchain-Enabled Secure V2V and V2G Energy Trading for Carbon-Aware Internet of Energy (IoE) Networks," in *IEEE Network*, vol. 40, no. 2, pp. 97-103, March 2026, doi: 10.1109/MNET.2025.3619992.

6 **Machine Learning Techniques for Wi-Fi CSI-based Recognition and Sensing: A Comprehensive Review** *23 January 2026*

Published | IEEE Internet of Things Journal | **IF: 8.7** | **Q1** | **SCIE**

S. Sai, D. Sharma, **M. Shall Peelam**, V. Chamola, M. Guizani and D. Niyato, "Machine Learning Techniques for Wi-Fi CSI-Based Recognition and Sensing: A Comprehensive Review," in *IEEE Internet of Things Journal*, vol. 13, no. 10, pp. 20190-20214, 15 May, 2026, doi: 10.1109/JIOT.2026.3657341.

7 **Blockchain-Based Game Theoretical Framework for V2V and V2G Energy Trading in Carbon-Intelligent Internet of Vehicles** *14 July 2025*

Published | IEEE Internet of Things Journal | **IF: 8.7** | **Q1** | **SCIE**

M. Shall Peelam, V. Chamola, S. Sai and P. Jalan, "Blockchain-Based Game Theoretical Framework for V2V and V2G Energy Trading in Carbon-Intelligent Internet of Vehicles," in *IEEE Internet of Things Journal*, vol. 12, no. 19, pp. 40034-40053, 1 Oct.1, 2025, doi: 10.1109/JIOT.2025.3588000.

8 **A comprehensive survey on data converters for iot applications: Scope, issues and future directions** *20 March 2025*

Published | IEEE Internet of Things Journal | **IF: 8.7** | **Q1** | **SCIE**

B. P. Sharma, **M. S. Peelam,** A. Gupta, C. Shekhar and V. Chamola, "A Comprehensive Survey on Data Converters for IoT Applications: Scope, Issues, and Future Directions," in *IEEE Internet of Things Journal*, vol. 12, no. 12, pp. 18993-19017, 15 June15, 2025, doi: 10.1109/JIOT.2025.3553153.

9 **Blockchain-based framework for global IMEI blacklist management and mobile device theft prevention** *24 October 2025*

Published | Blockchain: Research and Applications | **IF: 6.5** | **Q1** | **ESCI**

Peelam, M.S. and Chamola, V., 2025. Blockchain-based framework for global IMEI blacklist management and mobile device theft prevention. *Blockchain: Research and Applications*, p.100409.

10 **Decentralized trust: NFT and blockchain-enabled evidence system using fog computing** *30 June 2025*

Published | Blockchain: Research and Applications | **IF: 6.5** | **Q1** | **SCIE**

Peelam, M.S., Chamola, V., Sharma, A.K. and Chaurasia, B.K., 2025. Decentralized trust: NFT and blockchain-enabled evidence system using fog computing. *Blockchain: Research and Applications*, p.100321.

11 **V-track: blockchain-enabled iot system for reliable vehicle location verification** *08 August 2024*

Published | Digital Communications and Networks | **IF: 6.3** | **Q1** | **SCIE**

Mritunjay Shall Peelam, Kunjan Shah, Vinay Chamola, V-track: Blockchain-enabled IoT system for reliable vehicle location verification, Digital Communications and Networks, Volume 12, Issue 1, 2026, Pages 119-133, ISSN 2352-8648, https://doi.org/10.1016/j.dcan.2024.08.004. (https://www.sciencedirect.com/science/article/pii/S235286482400097X)

12 **Future of connectivity: A comprehensive review of innovations and challenges in 7g smart networks** *11 April 2025*

Published | IEEE Open Journal of the Communications Society | **IF: 6.2** | **Q1** | **ESCI**

V. Chamola, **M. Shall Peelam**, M. Guizani and D. Niyato, "Future of Connectivity: A Comprehensive Review of Innovations and Challenges in 7G Smart Networks," in *IEEE Open Journal of the Communications Society*, vol. 6, pp. 3555-3613, 2025, doi: 10.1109/OJCOMS.2025.3560035.

13 **Enhancing Quantum-Resistant Data Privacy in Vehicular Cloud Networks Using NIST Qualified FALCON Algorithm** *01 April 2026*

Published | Vehicular Communications, Elsevier | **IF: 5.7** | **Q1** | **SCIE**

Peelam, M.S., Chaurasia, B.K., Shukla, M.M. and Chamola, V., 2026. Enhancing quantum-resistant data privacy in vehicular cloud networks using NIST-qualified FALCON algorithm. *Vehicular Communications*, *58*, p.100995.

14 **Blockchain-enabled intrusion detection systems for real-time vehicle monitoring** *5 August 2025*

Published | Vehicular Communications | **IF: 5.7** | **Q1** | **SCIE**

Peelam, M.S., Chamola, V. and Chaurasia, B.K., 2025. Blockchain-enabled intrusion detection systems for real-time vehicle monitoring. *Vehicular Communications*, p.100961.

15 **Unlocking the potential of interconnected blockchains: A comprehensive study of cosmos blockchain interoperability** *13 November 2024*

Published | IEEE Access | **IF: 4.2** | **Q1** | **SCIE**

M. S. Peelam, B. K. Chaurasia, A. K. Sharma, V. Chamola and B. Sikdar, "Unlocking the Potential of Interconnected Blockchains: A Comprehensive Study of Cosmos Blockchain Interoperability," in *IEEE Access*, vol. 12, pp. 171753-171776, 2024, doi: 10.1109/ACCESS.2024.3497298.

16 **Quantum computing applications for Internet of Things** *28 November 2023*

Published | IET Quantum Communication | **IF: 3.8** | **Q1** | **SCIE**

Peelam, M.S., Rout, A.A. and Chamola, V., 2024. Quantum computing applications for Internet of Things. *IET Quantum Communication*, *5*(2), pp.103-112.

17 **DemocracyGuard: Blockchain-based secure voting framework for digital democracy** *13 August 2024*

Published | Expert Systems | **IF: 3.4** | **Q1** | **SCIE**

Peelam, M.S., Kumar, G., Shah, K. and Chamola, V., 2025. DemocracyGuard: Blockchain-based secure voting framework for digital democracy. *Expert Systems*, *42*(2), p.e13694.

18 **Metaverse for education: Developments, challenges, and future direction** *12 April 2025*

Published | Computer Applications in Engineering Education | **IF: 2.7** | **Q1** | **SCIE**

Chamola, V., **Peelam, M.S**., Mittal, U., Hassija, V., Singh, A., Pareek, R., Mangal, P., Sangwan, D., de Albuquerque, V.H.C., Mahmud, M. and Brown, D.J., 2025. Metaverse for education: Developments, challenges, and future direction. *Computer Applications in Engineering Education*, *33*(3), p.e70018.

19 **Enhancing Vehicle Lifecycle Management Through Blockchain-Driven Predictive Maintenance and Federated Learning** *12 August 2025*

Published | 2024 IEEE Globecom Workshops (GC Wkshps) | **Q1** | **Conference** | **B2**

M. S. Peelam, K. Shah, V. Chamola and B. Sikdar, "Enhancing Vehicle Lifecycle Management Through Blockchain-Driven Predictive Maintenance and Federated Learning," *2024 IEEE Globecom Workshops (GC Wkshps)*, Cape Town, South Africa, 2024, pp. 1-6, doi: 10.1109/GCWkshp64532.2024.11100594.

20 **QIoTChain: quantum IoT-blockchain fusion for advanced data protection in Industry 4.0** *17 November 2023*

Published | IET Blockchain | **Q2** | **Scopus**

Sharma, A.K., **Peelam, M.S.**, Chauasia, B.K. and Chamola, V., 2024. QIoTChain: quantum IoT-blockchain fusion for advanced data protection in Industry 4.0. *IET Blockchain*, *4*(3), pp.252-262.

21 **Enhancing security using quantum computing (ESUQC)** *20 August 2021*

Published | Proceedings of MARC 2020 | **Q1** | **Scopus**

Peelam, M.S. and Johari, R., 2021. Enhancing security using quantum computing (ESUQC). In *Machine Learning, Advances in Computing, Renewable Energy and Communication: Proceedings of MARC 2020* (pp. 227-235). Singapore: Springer Singapore.

RESEARCH PUBLICATIONS (UNDER REVISION)

1 **PBAC: Enhancing Mobile Security and Privacy using Permission-Based App Clustering Framework**

Under Revision | Transactions on Emerging Telecommunications Technologies, Wiley | **IF: 2.6** | **Q1** | **SCIE**

Peelam, M.S., Chamola, V., Puliyani, I., Chandra, N., Kumar, A., Raj, P., and Yadav, D., 2024. PBAC: Enhancing mobile security and privacy using permission-based app clustering framework. Transactions on Emerging Telecommunications Technologies, Wiley.

RESEARCH PUBLICATIONS (SUBMITTED)

1 **6G and Post-Quantum Security: A New Shield for Smart Consumer-Based IoT Devices**

Submitted | IEEE Transactions on Consumer Electronics | **IF: 9.9** | **Q1** | **SCIE**

Peelam, M.S., Kumar, P., and Chamola, V. *6G and Post-Quantum Security: A New Shield for Smart Consumer-Based IoT Devices*. Submitted to IEEE Transactions on Consumer Electronics.

2 **Leveraging Large Language Models for Hotel, Flight and Travel Recommendation**

Submitted | IEEE Internet of Things Journal | **IF: 8.7** | **Q1** | **SCIE**

Peelam, M.S., Chaurasia, B.K., Pandey, S.N., Choudhury, T., and Chamola, V. Leveraging Large Language Models for Hotel, Flight and Travel Recommendation. Submitted to IEEE Internet of Things Journal.

3 **An Optimized Deep Learning Ensemble Framework for Monkeypox Skin Lesion Diagnosi**

Submitted | Scientific Reports | **IF: 4.9** | **Q1** | **SCIE**

Peelam, M.S., Shukla, M.M., Chaurasia, B.K., and Kapur, S. An Optimized Deep Learning Ensemble Framework for Monkeypox Skin Lesion Diagnosis. Submitted to Scientific Reports.

4 **Smart Railway Obstruction Detection System using IoT and Computer Vision**

Submitted | IEEE Sensors Journal | **IF: 4.5** | **Q1** | **SCIE**

Kumar, P., **Peelam, M.S.**, Kumar, R., Kumar, S. and Chamola, V., 2026. Smart Railway Obstruction Detection System using IoT and Computer Vision. *arXiv preprint arXiv:2605.08246*.

5 **Secure and Energy-Efficient Key Management for Data Confidentiality in Wireless Body Area Networks**

Submitted | Wireless Networks (Springer) | **IF: 2.5** | **Q3** | **SCIE**

Peelam, M.S., Ghosh, K., Shukla, S., Shukla, M.M., and Chaurasia, B.K. Secure and Energy-Efficient Key Management for Data Confidentiality in Wireless Body Area Networks. Submitted to Wireless Networks (Springer)

AWARDS / ACHIEVEMENTS

1 **Wiley Top Viewed Article Recognition– 2025** *2025*

Recognition: Selected by Wiley as a Top Viewed Article of 2025, reflecting the significant academic impact, readership, and visibility of the published research within the global scientific community.

Publisher: Wiley

Achievement: Received recognition for outstanding research contribution based on article readership and engagement metrics, highlighting the relevance and influence of the work among researchers, practitioners, and scholars worldwide.

Paper Title: DemocracyGuard: Blockchain-based secure voting framework for digital democracy

Link: **Top 10% of most-viewed papers published by the journal in 2024**

Research Areas: Blockchain | Privacy and Security | Voting Framework

2 **Outstanding Research Article Award– BITS Pilani** *19 April 2025*

Recognition: Awarded for presenting an outstanding research article, showcasing innovation and academic excellence at the doctoral level.
Paper Title: A review on emergency vehicle management for intelligent transportation systems
Event: Doctoral Colloquium, Pilani Campus
Organized by: Department of Electrical and Electronics Engineering, BITS Pilani

Research Areas: ITS | Emergency Vehicle | Vehicle Management

3 **IET Quantum Communication– Most-Cited Paper** *15 April 2025*

Recognition: Ranked among the Top 10 Most-Cited Papers in the journal for 2023, demonstrating a significant impact in the research community.
Publisher: Wiley
Paper Title: Quantum computing applications for the Internet of Things
Organized by: The Institution of Engineering and Technology (IET)
Link: Top 10 Most-Cited Papers in the journal for 2023

Research Areas: Quantum Computing | IoT

4 **IETE Academic Top 10** *15 June 2012*

Publisher: IETE
Achievement: IETE top 10

SEMINARS / TRAININGS / WORKSHOPS / FDP

1 **Advanced Architectures and Real-Time Systems for Intelligent Embedded Applications** *5 Janauary 2026 — 09 January 2026*

Institute Name: Electronics & ICT Academy, Indian Institute of Technology (IIT) Guwahati
Supported by: Ministry of Electronics and Information Technology (MeitY), Government of India
In association/collaboration with: University of Petroleum and Energy Studies (UPES), Dehradun

Key Skills: Embedded Systems | Real-Time Systems | Intelligent Embedded Applications | System Architecture | IoT | Edge Computing

Participated in a one-week Faculty Development Programme (FDP) on “Advanced Architectures and Real-Time Systems for Intelligent Embedded Applications” organized by the Electronics & ICT Academy, IIT Guwahati, and supported by the Ministry of Electronics and Information Technology (MeitY), Government of India. The programme provided in-depth exposure to modern embedded system architectures, real-time computing paradigms, intelligent embedded applications, IoT-enabled systems, and emerging research directions in embedded and edge computing technologies.

2 **Intelligent Systems and Emerging Technologies in Computing and Electronics (ISETCE–2025)** *21 July 2025 — 25 July 2025*

Institute Name: School of Computer Science, UPES Dehradun
In association/collaboration with: National Institute of Technology (NIT) Jamshedpur

Key Skills: Artificial Intelligence | Machine Learning | Blockchain | Federated Learning | Intelligent Systems

The FDP on “Intelligent Systems and Emerging Technologies in Computing and Electronics (ISETCE–2025)” was organized by the School of Computer Science, UPES Dehradun, in collaboration with NIT Jamshedpur. The program featured expert-led sessions covering advanced topics in Artificial Intelligence, Machine Learning, Blockchain, Federated Learning, and Intelligent Systems, providing a rich platform for academic and research enrichment.

3 **INDO-UK EV Webinar 2025** *16 April — 17 April 2025*

Institute Name: School of Interdisciplinary Research and Entrepreneurship (SIRE), BITS Pilani

Key Skills: Critical Employability Skills For EV Technologies

The Indo-UK Webinar on Critical Employability Skills for EV Technologies was jointly organized by BITS Pilani and Ulster University, UK, with support from the British Council. The event featured keynote sessions by experts from academia and the EV industry, focusing on essential industry-aligned skills, career pathways in the EV sector, and emerging trends in global EV technologies.

4 **DBT/Wellcome Trust India Alliance** *20 September 2022 — 21 September 2022*

Institute Name: BITS Pilani, Birla Institute of Technology and Science

Key Skills: Scientific Manuscripts, Research Communication

The workshop aims to equip participants with the essential know-how of writing scientific manuscripts, ethics of research and communication, grants writing, speaking about science to a non-specialist audience, and laying a strong foundation to build a career in research.

5 **AI in Healthcare** *06 June 2022 — 10 June 2022*

Institute Name: SBILab, Dept. of ECE, IIIT-Delhi, Infosys Center for Artificial Intelligence, IIIT Delhi

Key Skills: AI in Healthcare

The workshop focused on the application of AI in healthcare, offering insights into real-world use cases and future research directions.

6 **Project Management** *23 May 2022 — 28 May 2022*

Institute Name: E & ICT Academy, IIT Kanpur

Key Skills: Project Management Skills

This training session covered the basics of project management, including planning, scheduling, and resource allocation.

7 **Unleashing Research Potential: Global Trends and Practices** *07 April 2022 — 11 March 2022*

Institute Name: Galgotias University

Key Skills: Research Potential

The event provided insights into global research trends and how to unleash one's research potential.

8 **Quantum Computing- Building Concepts- Advanced FDP** *07 February 2022 — 11 February 2022*

Institute Name: Amity Institute of Information Technology, Amity University Uttar Pradesh, Luc know Campus

Key Skills: Quantum Computing

The FDP focused on building the fundamentals of quantum computing for educational purposes and real-world applications.

9 **Transforming Teachers for a Sustainable Post COVID-19 World** *16 August 2021 — 20 August 2021*

Institute Name: Institute of Information Technology and Management (IITM)

Key Skills: COVID-19

This workshop focused on how educators can adapt and transform to create an effective teaching environment in a post-pandemic world.

10 **Emergence of Blockchain Technology and Cryptocurrencies** *09 August 2021 — 14 August 2021*

Institute Name: Institute of Information Technology & Management (IITM Janakpuri), New Delhi

Key Skills: Blockchain

The event focused on how blockchain technology and cryptocurrencies are emerging as key components of digital financial systems.

11 **Quantum Computing** *23 November 2020 — 27 November 2020*

Institute Name: Department of Management Studies, Malaviya National Institute of Technology, Jaipur

Key Skills: Quantum Computing

This workshop provided advanced concepts and real-world applications of quantum computing in various industries.

12 **NATIONAL INSTRUCTIONAL WORKSHOP ON CRYPTOLOGY (NIWC 2026)** *13 July 2026 — 15 July 2026*

In association/collaboration with: LNMIIT, Jaipur Rajasthan, India

Key Skills: Post Quantum Cryptography | Cryptography | Blockchain

National Instructional Workshop on Cryptology (NIWC) 2026: An intensive national-level workshop organized by the Cryptology Research Society of India (CRSI) in collaboration with LNMIIT, Jaipur, aimed at advancing knowledge in modern cryptography. The program focused on the theoretical foundations and practical aspects of post-quantum cryptography, including lattice-based, code-based, hash-based, multivariate, and threshold cryptographic schemes. It provided participants with insights into mathematical hard problems, secure cryptographic primitive design, and emerging research directions in cybersecurity and information security.

CO-CURRICULAR ACTIVITIES

Reviewer of Expert Systems, Intelligent Transportation Systems (ITS), Cognitive Computation, Computers and Electrical Engineering, and IET Blockchain.

EXTRA CURRICULAR ACTIVITIES

• I have 11 years of teaching experience.

PERSONAL INTERESTS / HOBBIES

Yoga | Listening to Music. | Playing Cricket

WEB LINKS / IMS

- **WhatsApp:** 8745080986
- **LinkedIn:** https://www.linkedin.com/in/mritunjay-shall-peelam-37810553/
- **Facebook:** https://www.facebook.com/mritunjay.iete/
- **Twitter:** https://twitter.com/AmGone
- **Other:** http://www.youtube.com/@msptutorial7884
- **Github:** https://github.com/shall786

PERSONAL DETAILS

Gender: Male | **Marital Status:** Married

Date of Birth: 04 Apr, 1992 | **Known Languages:** Hindi, English

Current Address: Village and Post - Pandari, Dist- Mirzapur, Uttar Pradesh, India - 231001

Phone Number: +91-8745080986

Emails: mritunjay.iete@gmail.com, mritunjay.peelam@pilani.bits-pilani.ac.in, mritunjay.peelam@ddn.upes.ac.in

REFERENCES

1 **Prof. Vinay Chamola**

Department Name: Department of Electrical & Electronics Engineering
University / Institute Name: Birla Institute of Technology and Science (BITS Pilani), Rajasthan, India 333031.
Designation: Associate Professor and a Fellow of IET.
Contact: +91-9928070448
Email: vinay.chamola@pilani.bits-pilani.ac.in

2 **Prof. Biplab Sikdar**

Department Name: Department of Electrical and Computer Engineering
University / Institute Name: National University of Singapore, Singapore 119077.
Designation: Professor, Head of Department, and a Fellow of IEEE.
Contact: +65-6516 2291
Email: bsikdar@nus.edu.sg

3 **Prof. Mohsen Guizani**

Department Name: Machine Learning Department
University / Institute Name: Mohamed bin Zayed University of Artificial Intelligence (MBZUAI), Masdar City, Abu Dhabi, UAE - 50819.
Designation: Professor and a Fellow of IEEE.
Contact: +971-2-811333
Email: mohsen.guizani@mbzuai.ac.ae

4 **Prof. G Sai Sesha Chalapathi**

Department Name: Department of Electrical and Computer Engineering
University / Institute Name: Birla Institute of Technology and Science (BITS Pilani), Pilani Campus, Rajasthan, India 333031.
Designation: Assistant Professor and Senior Member of IEEE
Contact: 91-7230289677
Email: gssc@pilani.bits-pilani.ac.in

5 **Prof. Tejasvi Alladi**

Department Name: Department of Computer Science and Information Systems
University / Institute Name: Birla Institute of Technology and Science (BITS Pilani), Pilani Campus, Rajasthan, India 333031.
Designation: Assistant Professor.
Contact: (+91-9177275667)
Email: tejasvi.alladi@pilani.bits-pilani.ac.in

6 **Prof. Brijesh Kumar Chaurasia**

Department Name: Department of Computer Science and Engineering
University / Institute Name: Pranveer Singh Institute of Technology (PSIT), Kanpur, Uttar Pradesh, India.
Designation: Professor and Research Dean, Senior Member IEEE
Contact: +91-8770180714
Email: deanresearch@psit.ac.in, brijesh.chaurasia@psit.ac.in