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All Laboratory Instructors, Department of CSE, MCKVIE



AICTE TRAINING AND LEARNING (ATAL) ACADEMY

6-DAYS ONLINE FDP ON QUANTUM EDGE INTELLIGENCE (Sponsored by AICTE)

8 - 13 September, 2025



Organized by
Department of Computer Science and Engineering
(NBA Accredited)



MCKV INSTITUTE OF ENGINEERING
(AICTE APPROVED AND MAKAUT AFFILIATED)
NAAC ACCREDITED GRADE — A
UGC APPROVED AUTONOMOUS INSTITUTE

www.mckvie.edu.in

ABOUT THE INSTITUTION

MCKV Institute of Engineering is one of the top engineering colleges in West Bengal, India, established more than two decades ago (since 1999) with a vision to foster the spirit of technological learning and its application through creating the right kind of opportunity and ambience for educating young minds in the digital era. The Institute has been accredited by NAAC with an 'A' Grade, and it is an Autonomous Institute affiliated to MAKAUT, WB and approved by AICTE. With the confidence of illustrious track record and with the support of autonomy, MCKVIE has stepped in to launch two new B.Tech. courses viz. CSE (Data Science), CSE (AI & ML) along with a PG course MBA, ECE (Communication Engineering) and BBA where the curricular designed to accommodate the trending need of the industry. The Institute is always committed to provide quality education to cater to the diversified needs of the industry and encourage research works as well for the society at large. Its State-of-the-art infrastructure, industry-academia collaborations, experienced senior faculty and rigorous hands-on training sessions, transform students into industry-ready professionals.

ABOUT THE DEPARTMENT

Department of Computer Science & Engineering was established in the year 1999, enriched with strong resource persons and state-of-the-art laboratories. The department has always emphasized on achieving academic and professional excellence. Alumni of the department are holding prestigious positions in various MNCs and Institutes and some of them are doing research. The program is equipped with State-of-the-art laboratories and strategic academic and industry collaborations to enable students with the latest best practices and hands-on industry exposure related to this field. The institute introduces B.Tech. in Computer Science & Engineering course with specialization in Data Science and AI & ML from the Academic year 2020-2021 and 2022-2023 respectively.

ATAL ACADEMY

AICTE is committed to the development of quality technical education in the country by initiating various schemes launched by Govt. of India, Ministry of Human Resource Development. The council understands that there is an urgent need to train the young generation and enhance their skills in these core areas, hence the need is there to train the faculties and technicians in this area. It was felt that Training with the latest tools and technologies is vital to keeping an institute competitive and more productive. Training is required for increasing the knowledge and skills of students to make them more employable to acquire global competencies. It also transforms them to harmonize with society and most importantly to make them good citizens of the country.

ABOUT THE FDP

The FDP on Quantum Edge Intelligence explores the convergence of quantum computing, edge computing, and artificial intelligence. It covers key topics like Quantum Key Distribution for security, AI in quantum-enhanced edge systems, quantum-driven sustainable computation, Quantum Image Processing, and Federated Learning at the edge. Other subjects include autonomous edge computing, noise mitigation in quantum systems, and sustainable agriculture with quantum drones. The FDP also delves into Quantum Kolmogorov-Arnold networks, advancing Quantum Machine Learning and unlocking new possibilities in AI-driven quantum intelligence.

By integrating quantum mechanics with AI and edge technologies, participants will explore real-world applications and groundbreaking innovations that enhance security, efficiency, and sustainability. This initiative fosters knowledge-sharing, collaboration, and advancements in an era where quantum intelligence is revolutionizing computation.

ELIGIBILITY AND SELECTION PROCESS

- The Faculty Members, Research Scholars and PG Scholars of the AICTE approved institutions, Industry Personnel (Not more than 20% from Host Institution)
- Coordinator's decision will be the final for selection of participants.

REGISTRATION PROCESS AND GUIDELINES

- There is No Registration fee for the Participants.
- Participants can register for the program as per the specified process of AICTE (ATAL Academy).
- E-Certificates will be issued to the participants by AICTE Training and Learning (ATAL) Academy to registered participants, provided participants obtain 80% attendance, and minimum 70% marks in Assessment Test and Feedback given by participants on Portal only.
- An Assessment Test will be conducted on the last day of the program for all registered participants.

REGISTRATION LINK

<https://atalacademy.aicte-india.org/login>

ONLINE DELIVERY

Online Platform links will be shared with the Registered Candidates via mail



ATAL Online 6-Days Faculty Development Programmes 2025-26 Schedule
Organized by: Department of Computer Science and Engineering, MCKVIE (NBA Accredited)



FDP Thrust Area: Quantum Technologies FDP Title: QUANTUM EDGE INTELLIGENCE Start Date: 8th September, 2025						End Date: 13th September, 2025
Day 1	Day 2	Day 3	Day 4	Day 5	Day 6	
6:00PM to 6:30PM Inaugural Session	6:00PM to 7:30PM Session 3 Topic: Quantum Computing – A Quantum Jump Towards Sustainable Computation Prof. Suvamoy Changder Associate Professor, National Institute of Technology, Durgapur	6:00PM to 7:30PM Session 5 Topic: Introduction to Edge Computing Dr. Indrajit Banerjee Professor, Information Technology, IEST, Shibpur	6:00PM to 7:30PM Session 7 Topic: Quantum Machine Intelligence Dr. Mahua Nandy Pal Associate Professor, CSE, MCKVIE	6:00PM to 7:30PM Session 9 Topic: Sustainable Agriculture with Quantum Drone Dr. Nurzaman Ahmed Engineering Research Scientist, Donald Danforth Plant Science Center, Saint Louis, United States	2:00PM to 3:30PM Session 11 Topic: Quantum Computing and Noise Mitigation Dr. Ritajit Majumdar, Research Scientist, IBM Quantum, IBM India Research Lab	
6:30PM to 8:00PM Session 1 Topic: Quantum Key Distribution Technique for Security and Authentication Prof. Jyotsna Kumar Mandal Professor, Kalyani University	7:30PM to 9:00PM Session 4 Topic: Computing Paradigm in Post Quantum Era Dr. Tanushyam Chattopadhyay Practice Head , Sirius Digitech India Limited, an Adani and IHC Joint venture	7:30PM to 9:00PM Session 6 Topic: Synergizing Cloud Infrastructure and Edge Computing for Next-Gen Applications Dr. Sabyasachi Saha CEO and Founder of Techno Exponent	7:30PM to 9:00PM Session 8 Topic: IoT Sensor at Edge Dr. Debatri Chatterjee Senior Scientist, TCS Research Lab	7:30PM to 9:00PM Session 10 Topic: AI in Edge Fog and Cloud Infrastructure Dr. Samarjit Roy Research Lect. & Scientist SCIT, Eastern International University, Becamex IDC Corp. Binh Duong Smart City, 820000, Vietnam	3:30PM to 5:00PM Session 12 Topic: Autonomous Edge Computing Mr. Atanu Roychowdhury Founder CEO, GAPCRUD PRIVATE LIMITED	
8:00PM to 9:30PM Session 2 Topic: AI and Quantum Edge Prof. Debashis De Professor, Maulana Abul Kalam Azad University of Technology					5:00PM to 6:30PM Session 13 Topic: Quantum Kolmogorove Arnold network and it's Application in Quantum Machine learning Mr. Sudhindu Bikash Mandal TCG Crest, Kolkata Organization:	
						6:30PM to 7:30PM Online test & feedback
						7:30PM to 8:00PM Valedictory Session