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**5-DAY ONLINE FACULTY DEVELOPMENT PROGRAM
(FDP) ON EXPLORING EMERGING RESEARCH
TRENDS IN COMPUTING TECHNOLOGIES: AI, ML,
AND IOT (E2RTCT-2K26)**

19—23 January, 2026



**Technically Sponsored by
IETE Kolkata**



Organized By
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

MCKV INSTITUTE OF ENGINEERING

(AICTE APPROVED AND MAKAUT AFFILIATED)

NAAC ACCREDITED GRADE - A , UGC APPROVED AUTONOMOUS INSTITUTE
WEST BENGAL, INDIA

IN COLLABORATION WITH
INDUSTRIAL UNIVERSITY OF HO CHI MINH CITY, VIETNAM

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 three new B.Tech courses viz. CSE (Data Science), ECE (VLSI Design) and CSE (AI & ML) along with a PG course MBA where the curricula are 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 2021 -2022 respectively.

ABOUT IETE

The Institution of Electronics and Telecommunication Engineers (IETE) is India's leading recognized professional society devoted to the advancement of Science and Technology of Electronics, Telecommunication & IT. Founded in 1953, IETE is the National Apex Professional body of Electronics and Telecommunication, Computer Science and IT Professionals. It serves more than 1,25,000 members (including Corporate, Student and ISF members) through various 64 Centers, spread all over India and abroad. The Institution provides leadership in Scientific and Technical areas of direct importance to the national development and economy. Government of India has recognized IETE as a Scientific and Industrial Research Organization (SIRO) and also notified as an educational Institution of national eminence. The objectives of IETE focus on advancing electro-technology. The IETE conducts and sponsors technical meetings, conferences, symposia, and exhibitions all over India, publishes technical journals and provides continuing education as well as career advancement opportunities to its members.

COURSE OVERVIEW

This 5-day online FDP is an intensive and enriching journey into the cutting-edge realms of emerging research areas such as AI, ML, and IoT. This program is meticulously designed to equip educators and researchers with the latest knowledge, insights, and hands on experience in these transformative technologies. Renowned speakers from reputed research institutes from India and abroad will lead the sessions, providing participants with a unique opportunity to learn from the best in the field. Real-world case studies and success stories will demonstrate the practical applications of these technologies across diverse industries, empowering participants to envision potential use cases within their own academic and research domains. This FDP will foster critical discussions on data privacy, security challenges, and the applications of Machine Learning in the real world. Hands on workshops and collaborative teamwork will be an integral part of the program, allowing participants to gain practical experience.

COURSE OBJECTIVES

- Provide educators, and researchers with an in-depth understanding of the fundamental principles, architectures, and security issues of AI, ML, and IoT.
- Explore related research trends and real world applications of AI, ML, and IoT to identify potential use cases in academia and research.
- Foster critical discussions on the ethical and societal implications and security issues of these technologies, promoting responsible and ethical use in academic and research settings.

COURSE OUTCOMES

- Gain comprehensive understanding of concepts, architectures, and real-world applications of AI, ML, and IoT to effectively teach, communicate and conduct research.
- Recognize problem statements that can leverage AI, ML, and IoT solutions and integrate them into academic curricula, research projects, and industry collaborations.
- Explore the latest innovations, open challenges, security issues, and future research directions in these technologies to initiate collaborative research activities.
- Develop critical thinking and problem-solving abilities to design appropriate AI/ML-based solutions for smart IoT applications in healthcare, finance, agriculture smart cities etc.

EMINENT SPEAKERS



Dr. Bui Thanh Hung
IUH, Vietnam



Prof. Nandini Mukherjee
Jadavpur University



Prof. Sarbani Roy
Jadavpur University



Prof. Debasish De
MAKAUT, West Bengal



Dr. Suvamoy Changder
NIT Durgapur



Dr. Nguyen Minh Hai
IUH, Vietnam

Eligibility and Selection Process / Registration Process and Guidelines

The faculty members of the AICTE approved institutions, PG/Research Scholars, participants from Government, Industry and Staff members of host institutions.

Coordinator's decision will be the final for selection of participants.

Registration Deadline: 16th January, 2026, 11:59PM

*Registration
Link*

<https://forms.gle/9ZDRU14dwv6Ji7ALA>

Registration Fees: INR 200/-

For Payment

Online payment should be made in favor of
MCKV Institute of Engineering

Bank Name: **HDFC (Liluah Branch)**

A/C No. **50100370033544**

IFSC Code: **HDFC0000531**

Account Type: **Savings**

Amount: **INR 200**

Mention the Purpose: **E2RTCT-2K26 Registration Fee**