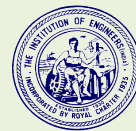




ENGINEERING STAFF COLLEGE OF INDIA

Autonomous Organ of The Institution of Engineers (India)
(IMS [ISO 9001:2015, ISO 14001:2015, ISO 50001:2018, ISO 45001:2018],
ISO/IEC 17025:2017 Certified, AICTE & CEA Recognized Institution)
Old Bombay Road, Gachibowli, Hyderabad – 500 032. Telangana, India



Management and Technology Division

Hybrid (Offline & Online) Continuing Professional Development Programme on

Artificial Intelligence (AI) in Defence: A Roadmap for the future of the Defence Industry

Dates: 28 – 30 September 2026

at ESCI Campus, Hyderabad

INTRODUCTION

Artificial Intelligence (AI) is transforming the defence sector by enabling intelligent decision-making, autonomous systems, predictive maintenance, cybersecurity, surveillance, and advanced command-and-control capabilities. As AI continues to reshape modern warfare and defence operations, it has become a strategic technology for enhancing operational effectiveness, national security, and technological superiority.

India is actively promoting the adoption of AI in defence to strengthen indigenous capabilities under the vision of Aatmanirbhar Bharat. AI-driven innovations are playing a crucial role in the development of next-generation defence systems, improving situational awareness, mission planning, logistics, and operational readiness while addressing emerging security challenges.

This Continuing Professional Development Programme (CPDP) provides participants with an overview of AI concepts, emerging defence applications, implementation challenges, ethical considerations, and future trends. The programme aims to equip defence professionals, scientists, engineers, researchers, and industry personnel with the knowledge required to leverage AI for building a secure, resilient, and future-ready defence ecosystem.

OBJECTIVES

- To develop a sound understanding of Artificial Intelligence (AI) fundamentals and their strategic relevance to the defence sector.
- To examine the application of AI across key defence domains, including autonomous systems, intelligence, surveillance, cybersecurity, logistics, and decision support.
- To familiarize participants with emerging AI technologies, global trends, and India's initiatives for AI-enabled defence capabilities.
- To discuss the technological, ethical, legal, and security challenges associated with the adoption and deployment of AI in defence.
- To equip participants with insights into the future roadmap for AI integration, fostering innovation, operational excellence, and self-reliance in the defence industry.

COURSE COVERAGE

The key areas to be deliberated in the programme are:

- ✓ Introduction to Artificial Intelligence (AI)
- ✓ AI in Modern Defence
- ✓ Applications of AI in Defence
- ✓ AI for Defence Manufacturing
- ✓ Emerging Technologies
- ✓ Policy, Ethics and Security

- ✓ India's AI Ecosystem
- ✓ Future Roadmap
- ✓ Case Studies and Best Practices

METHODOLOGY

Methodology of the programme includes class room Sessions with Lecture/discussion with audio visual aid, benched marked practices if any, video shows, Chalk & Talk sessions, group discussions, case studies, debates, sharing of experiences, etc. All the sessions will be interactive demanding active participation from all the members. Case Method of Instructions will be the main method of knowledge facilitation.

TARGET PARTICIPANTS

Senior and Middle-level Engineers, Scientists, Executives, Managers, Defence Officers, Quality Assurance Professionals, Researchers, and Technical Personnel from Defence Establishments, DRDO Laboratories, Armed Forces (Army, Navy, Air Force), DPSUs, Ordnance Factories, Base Repair Depots, Dockyards, EME Workshops, Defence Manufacturing Industries, Aerospace Organizations, R&D Institutions, Government Agencies, MSMEs, Start-ups, and Academia involved in defence technologies, digital transformation, AI adoption, and strategic capability development will find this programme highly beneficial.

PROGRAMME DIRECTOR

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Sr. Faculty & Head

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PROGRAMME DATES & TIMINGS

Dates: 28-30 September 2026

Timings: On the first day Registration will commence at **09:00 Hrs.** On all other days the programme timings will be from **09:45-17:15 Hrs** with breaks in between for tea and lunch.

COURSE FEE: **Rs.18,000/- (Rupees Eighteen Thousand only)** per Participant + GST@18% Extra. Fee includes, course material, course kit, twin-sharing/single AC accommodation as per availability, breakfast, lunch, dinner, tea / coffee and snacks during the actual days of training programme.

Online: WebEx platform

Rs. 10,500/- (Rupees Ten Thousand and Five Hundred only) per participant + GST@18% Extra. Fee includes, course material, course kit & Institute overheads.

DISCOUNT

- **Non-Residential Fee:** 10% discount on course fee is allowed for non-residential participants.

Note: GST Nil for Central Govt. Departments (like DRDO, DGQA & Govt. Departments).

PAN Card No AAATT3439Q; GST No. 36AAATT3439Q1ZV. H.S. No. 999293 (Under commercial training or coaching services – clause 65(105) (ZZC) of Finance act – 1994).

Programme fee is to be paid in in favor of **“THE INSTITUTION OF ENGINEERS (INDIA) – ENGINEERING STAFF COLLEGE OF INDIA”** in the form of demand draft payable at Hyderabad. Alternatively, the payment may be made by Electronic Fund Transfer (EFT) to ESCI - **SB A/c No.0432104000039631** with The IDBI Bank Ltd., Gachibowli Branch, Plot No. 2-53/2, JNIBF, IIIT Junction, Gachibowli, Hyderabad-500032 by RTG's/ NIFT / IFSC Code No: IBKL0000432. While using EFT method of payment, please ensure to communicate us your company name, our Invoice reference and programme title.

CERTIFICATION

A Certificate of participation will be awarded to each participant on conclusion of the programme.

GENERAL INSTRUCTIONS

- ESCI encourages participants to present case studies from their respective organizations.

- ESCI provides complimentary accommodation and boarding to the participants one day before commencement (Check-in 1200 h) and one day after conclusion (Check-out 1200 h) of the programme duration. Overstay charges will be applicable as per ESCI rules (subject to availability of accommodation).
- Well-developed Information Centre and Internet facilities are available to the participants free of cost.