ONLINE FACULTY DEVELOPMENT PROGRAMME (FDP) on
Machine Intelligence and Advancements in
Internet of Things (MIIoT - 2025)
(17th June – 27th June 2025)
Organized by
Electronics & ICT Academy (Hub), NIT Warangal
In association with
E&ICT Academy (Spoke), NIT Raipur, Raipur – 492010, Chhattisgarh
Sponsored by
Ministry of Electronics and Information Technology (MeitY), GoI

As IoT devices proliferate, they generate an enormous amount of data. To make meaningful use of this data, there's a growing need for machine intelligence to process, analyze, and derive insights in real-time. Without the inclusion of MI, IoT systems would struggle to cope with the complexity and volume of data they generate. The fdp will focus on how integrating AI and MI can enable smarter, more efficient IoT systems that can learn from their environment, adapt to changing conditions, and provide better insights.

The fdp on Machine Intelligence and Advancements in Internet of Things (MIIoT – 2025) aims to explore the transformative synergy between Machine Intelligence (AI/ML/DL) and the Internet of Things (IoT). With a focus on emerging technologies like TinyML and Quantum Machine Learning, this fdp will provide participants with insights into cutting-edge advancements, practical skills for intelligent IoT systems, and a vision of future trends in these fields. This hands-on program will equip the students, researchers, and professionals with the knowledge and tools needed to design, implement, and optimize intelligent IoT systems, integrating innovative advancements to address real-world challenges.

Major Course Content:

- Fundamentals of IoT & Machine Intelligence (IoT Architecture, Protocols, Applications, Basic Concepts of AI/ML/DL for IoT)
- IoT Data & Machine Learning Analytics (Data Acquisition, Preprocessing, Supervised/Unsupervised Learning for IoT Analytics)
- Deep Learning for IoT Applications (Significance of Deep Learning, CNNs, RNNs, for IoT Applications, & Specific Case Studies)
- Emerging Technologies in IoT (TinyML for Deploying AI on IoT Edge Devices, Quantum Machine Learning for Advancing IoT)
- Security, Integration & Hands-on Project (Blockchain in IoT, Cybersecurity, Ethical & Generative AI, IoT Project Development)

Faculty conducting this Programme:

The program will be conducted by the faculty members from NIT Raipur, Academicians in the concerned field from IITs/NITs/IIITs are invited to deliver lectures in the program. Speakers from industries as well as foreign universities are also expected to deliver as part of the course.

Fee Particulars

Participants need to pay the Registration Fee Online using the following details

Faculty	Rs. 500/-
Industry Participants	Rs. 2250/-

Online Transfer Details

Account Name: **Electronics & ICT Academy NITW**

Account No: **62423775910**

IFSC: **SBIN0020149**

Bank and Branch: **State Bank of India,** NIT(REC) Warangal

How to apply:

Participants are required to fill the online registration form by clicking on the following link: https://tinyurl.com/MIIoT2025

Selection Criteria:

Selection will be done based on first-come-first-serve basis to a preferable maximum number of 50 (fifty). Candidates will be issued satisfactory certificates on successful completion of the course.

Important Dates:

Last date (Application)	10.06.2025
Selection List by E- mail	12.06.2025
Duration	17.06.2025 to 27.06.2025

About NIT Warangal:

National Institute of Technology, Warangal, is the first among 17 RECs set up as a joint venture of the Government of India and the state government. Over the years, the college has established itself as a premier Institute imparting technical education of a very high standard, leading to B.Tech degrees in various branches of engineering, M.Tech., and Ph.D. programs in various specializations. All B. Tech and M. Tech programs of NIT Warangal are NBA accredited.

About NIT Raipur:

National Institute of Technology (NIT) Raipur, formerly known as Government Engineering College (GEC) Raipur was established in1956. The institute has established its unique identity for the development of high-quality human and knowledge resources. It was declared as 'National Institute of Technology' by the Government of India on 1st December 2005 and then an 'Institute of National Importance' in May 2007 vide the National Institute of Technology Act 2007. NIT Raipur now offers 12 UG and 16 PG programs. In addition to the UG and PG programs, NIT Raipur also offers Ph.D.in 18 disciplines of science and technology. For details about the institute please visit us at www.nitrr.ac.in

Coordinators

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