# 5DAY ONLINE FACULTY DEVELOPMENT PROGRAM (FDP)

## ON

# Next Generation IoT Systems using AI/ML for Cross-Sectoral Applications

## 06th – 10th July 2026

**Organized by**

## CENTRE FOR TEACHING AND LEARNING, NIT Warangal

*(Established under the PMMMNMTT Scheme, Ministry of Education, Govt. of India)*

***in association with***

***Department of Computer Science and Engineering, NIT Warangal***

**Preamble:**

The Centre for Training and Learning (CTL) has been established at NIT Warangal with grants from the Ministry of Education, through its scheme *"Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching (PMMMNMTT)".* Under this Scheme, a separate building has been built exclusively for the CTL activities, with the state-of-art training facilities that include a studio for production and uploading of video and e-lectures on various subjects of higher education, training halls to train the faculty in various theme areas of Science and Technology, humanities and social sciences, linguistics and communication skills, pedagogy and cognition evaluation, etc. among others. One of the important objectives of the Centre is to conduct training programmes for the aspiring, newly inducted and in-service faculty in science, engineering, social sciences disciplines in higher education. Other activities of the CTL include preparation of print and e-learning materials, offering on-line courses, curriculum design, carrying out research in educational technology and pedagogy and integrating with ICT into teaching-learning process. The CTL has special programmes of training for the marginalized and women-faculty.

**About FDP:**

The Faculty Development Program on "Next Generation IoT Systems using AI/ML for Cross-Sectoral Applications" aims to bridge the gap between emerging technologies and real-world applications by empowering participants with interdisciplinary knowledge. It emphasizes the development of smart, connected systems that leverage AI and ML to process vast amounts of data generated by IoT devices, enabling efficient and intelligent decision-making. By exploring applications across diverse domains such as healthcare, agriculture, and smart infrastructure, the program fosters innovation and encourages participants to design scalable and sustainable solutions. Ultimately, this FDP plays a crucial role in preparing educators and professionals to contribute to the rapidly evolving landscape of intelligent systems and digital transformation.

**Major Course Contents:**

Introduction to IoT Ecosystem
Data Acquisition and Communication
Fundamentals of Artificial Intelligence and Machine Learning
AI/ML for IoT
Embedded Systems and Edge Intelligence
Cloud Platforms and IoT Analytics
Security and Privacy in IoT
Cross-Sectoral Applications
Future Trends and Research Directions

**Faculty conducting this programme:**

The programme will be conducted by the faculty members from NIT Warangal and Academicians in the concerned field from IITs/NITs/IIITs have been invited to deliver lectures in the programme.

**Registration Fee Particulars:**

| | For 5 day FDP |
|---|---|
| **Faculty** | **Rs.1180/-** |
| **Students / Research Scholars** | **Rs. 590/-** |
| **Industry Participants** | **Rs.2360/-** |

Registration fees includes GST. Participants need to pay the registration fees online using the following details:

**Online Transfer Details**

Account Name: **HEAD, CTL NITW**
Account No: **40376545007**
IFSC: **SBIN0020149**
Bank and Branch: **SBI, NIT (REC) Warangal**

**How to apply:**

Participants are required to fill the online registration form by clicking on the following link:
https://forms.gle/6RVR3o2n3j8W8SSs5

SCAN ME!

**Selection Criteria:**

Selection will be done based on first-come-first-serve to a minimum number of 50 (fifty) Faculty/industry participants. Additionally, students/PhD scholars are allowed to participate. The list of selected participants will be intimated through e-mail. In case the candidate is not selected, the registration amount will be refunded. Candidates will be issued certificates on successful completion of the course.

**Important dates:**

| | |
|---|---|
| **Last date (Application & DD)** | 30th June 2026 |
| **Selection List by E- mail** | 03rd July 2026 |

**About NIT Warangal:**

National Institute of Technology Warangal, formerly known as Regional Engineering College was established in 1959. Over the years it has developed into a premier institute of higher learning and is ranked among the top technical education institutions in India. There are 14 Departments offering eight undergraduate and 31 post-graduate programs besides doctoral programmes. About 5000 students across the country and about 500 international students study on the campus. It is a fully residential campus sprawling over 250 acres with excellent infrastructure in the form of state of the art library, seminar halls, guest houses and research laboratories.

# 5 DAY ONLINE FACULTY DEVELOPMENT PROGRAMME (FDP)

**ON**

# Next Generation IoT Systems using AI/ML for Cross-Sectoral Applications

**06th – 10th July 2026**

**Organized by**

## CENTRE FOR TEACHING AND LEARNING, NIT Warangal

*(Established under the PMMMNMTT Scheme, Ministry of Education, Govt. of India)*

***in association with***

***Department of Computer Science and Engineering, NIT Warangal***

1. Name :
2. Designation :
3. Institution :
4. Email :
5. Mobile No :
6. Payment Details
   Reference No:
   Amount:
   Bank :
   Date:
7. Address for Correspondence:
8. Educational Qualification:
9. Subjects taught so far:
10. No. of refresher courses/workshops attended:
11. Experience (in years):
12. Teaching: Research: Industry:

**Declaration**

The information provided is true to the best of my knowledge. If selected, I agree to abide by the rules and regulations of the FDP and shall attend the course for the entire duration. I also undertake the responsibility to inform the coordinator in case, I am unable to attend the course.

**Date:**
**Place:** **Signature of the Applicant**

SPONSORSHIP CERTIFICATE

Dr. /Mr. /Ms is an employee of our Institute/Organization and is hereby sponsored to participate in the FDP on **"Next Generation IoT Systems using AI/ML for Cross-Sectoral Applications"** sponsored by the Centre for Training and Learning (CTL) during **<Dates of the FDP>** at <Name of the Institute>.

**Signature of Head of Institution (with seal)**
**Address for correspondence**

It is requested to all the delegates that, after completion of application form, all the payment details, screenshot of the payment and scanned application form must be uploaded in the following online registration link.

https://forms.gle/6RVR3o2n3j8W8SSs5

For more details about CTL of NIT Warangal, please visit:
https://nitw.ac.in/ctlcenter

**For more enquiries please contact:**

**Prof. Nidhi Sonkar**
Department of CSE
National Institute of Technology Warangal

**Prof. Shiva Darshan SL**
Department of CSE
National Institute of Technology Warangal

**Prof. M. Sailaja Kumari**
Professor of EE and Head, CTL
**Mobile: 0870 2462685**
**Email: ctl_hod@nitw.ac.in**

## Coordinators

**Prof. Nidhi Sonkar**
Department of CSE
National Institute of Technology Warangal
**Address**
National Institute of Technology Warangal
Hanumkonda, Warangal, Telangana - 506004.
**Email**: nidhisonkar@nitw.ac.in
Mobile: 8871358404

**Prof. Shiva Darshan SL**
Department of CSE
National Institute of Technology Warangal
**Address**
National Institute of Technology Warangal
Hanumkonda, Warangal, Telangana - 506004.
**Email**: shivadarshan@nitw.ac.in
Mobile: 9743413637