ONLINE FACULTY DEVELOPMENT PROGRAMME

On

Cyber Physical Systems and its Applications in Electrical Engineering

(21st–30th September2026)

Organized by
Electronics & ICT Academy, NIT Warangal
in association with
Department of Electrical Engineering
Central University of Karnataka, Kadaganchi–585367, Karnataka
&
NIT Warangal, Warangal–506004, Telangana
Sponsored by
Ministry of Electronics and Information Technology (MeitY), GoI

Preamble:

"Electronics & ICT Academy – Phase II" was set up at NIT Warangal with financial assistance from MeitY, GoI. This academy's role is to offer Faculty Development Programmes in standardized courses and emerging areas of Electronics, Information Communication Technologies, training & consultancy services for Industry, Curriculum development for Industry, CEP for working professionals, advice and support for technical incubation and entrepreneurial activities.

About the FDP:

The course aims to disseminate information about various interdisciplinary research efforts required to solve the problems in cyber-physical systems-based industrial automation. The contents of the course relate to presenting an overview of key aspects of industrial cyber-physical systems, their technologies, and emerging directions, as well as challenges for their implementation.

Course Contents:

Introduction to Cyber-Physical Systems (CPS)

Industrial Cloud-based CPS

AIoT in Healthcare Applications

Cyber Security Threats in CPS

Artificial Intelligence for CPS

Machine Learning & Reinforcement Learning applications in CPS

Cyber Security Challenges and approaches in Electrical Companies

Cyber Physical systems in Industrial Automation

Cyber Security implications in Communication and Networking

Program will be conducted by the faculty members from Central University of Karnataka and NIT Warangal; Academicians in the concerned field from IITs/NITs/IIITs are invited to deliver lectures in the program. Speakers from industries are alsoexpected to deliver as part of the course.

Registration Fee

Faculty and Research Scholars	Rs.500/-
Industry Participants	Rs.2250/-

Online Transfer Details

Acc Name: **Electronics & ICT Academy NITW**
Account No: **62423775910**
IFSC: **SBIN0020149**
Bank Branch: **SBI, NIT(REC) Warangal**

How to Apply

Participants are required to fill in the online registration form by clicking on the following link:

https://forms.gle/RGpaHyXnLGfjaVLx7

Selection Criteria:

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

Important Dates

Last date (Application)	**15.09.2026**
Selection List by E-mail	**17.09.2025**
Duration	**21.09.2026 to 30.09.20263**

Coordinators of the FDP:

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