



# HYBRID FACULTY DEVELOPMENT PROGRAMME (FDP) ON "Sustainable Energy Systems: AI-Driven Innovations in Design and Applications."

(17<sup>th</sup> –22<sup>nd</sup> February 2025)

Organized by

Electronics & ICT Academy (Hub), NIT Warangal

in association with

E&ICT Academy (Spoke), IIITDM Kurnool, Andhra Pradesh

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**AVANTHI INSTITUTE OF ENGINEERING AND TECHNOLOGY (A) (A+)**

(Approved by A.I.C.T.E., New Delhi & Permanently Affiliated to J.N.T.U-GV., Vizianagaram)  
Cherukupally (Village), Near Tagarapuvalasa Bridge, Vizianagaram (Dist) -531162.

Sponsored by

Ministry of Electronics and Information Technology (MeitY), GoI



## About FDP

The "Sustainable Energy Systems: AI-Driven Innovations in Design and Applications" aims to explore cutting-edge advancements in sustainable energy systems through the integration of Artificial Intelligence (AI) and IOT. The program will focus on innovative computational techniques, intelligent system designs, and practical applications that contribute to energy efficiency, smart systems, and sustainable development. This FDP is tailored for educators, researchers, and industry professionals in Computer Science, Artificial Intelligence, and related fields.

## Major Course Content:

- Introduction to Sustainable Energy Systems
- Artificial Intelligence for Energy Systems
- Computational Innovations and Design
- Advanced Applications in Energy Systems
- Case Studies and Hands-On Sessions
- Sustainability and Policy Frameworks

## Experts

The program will be conducted by the faculty members from AIET, Vizianagaram, Academicians in the concerned field from IITs/NITs/IIITs/CFTIs/ reputed institutes are invited to deliver lectures in the program. Speakers from industries 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/ Research scholars	Rs.1000/-
Industry Participants	Rs.3000/-

## 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://forms.gle/iCGoVQGFpRy45whR8>

## 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)	<b>10.02.2025</b>
Selection List by E-mail	<b>13.02.2025</b>
Duration	<b>17.02.2025 to 22.02.2025</b>

## 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 IIITDM Kurnool

Indian Institute of Information Technology Design & Manufacturing, Kurnool (IIITDMK) was announced in 2014 after receiving the assent of President of India to the Institutes of Information Technology Act, 2014. IIITDM Kurnool is fully funded by Ministry of Education. IIITDM Kurnool was accorded the status of Institute of National Importance. The campus was inaugurated by Hon'ble Prime Minister on 20th February 2024. The institute is offering B.Tech in CSE, AI&DS, ECE, ME, M.Tech in 6 specialization in Engineering and Ph.D. IIITDM Kurnool students bagged AIR 29 and 42 in GATE2024.

## About AIET, Vizianagaram

**Avanthi** Institute of Engineering and Technology (Autonomous) is established in the year 2005 with the approval of AICTE, New Delhi and recognized by G Government of Andhra Pradesh. The Institution is permanently affiliated to JNTU-GV, Vizianagaram. Avanthi has been accredited by NAAC with Grade 'A+' under Tier-II. The college is well equipped with state of art laboratories and computer centers. Students of Avanthi boast of their excellent academic performance both at University level and GATE with an enviable record of results. Our students achieve heights of excellence by getting a way of admission in prestigious institutions like IITS & NITS.

## Coordinators

<p><b>Dr.S.H.SHARIFF</b> Associate Professor Associate Dean-R&amp;D Department of Mechanical Engineering AIET,Vizianagaram, Andhra Pradesh-531162 Email:sharief.iitm@gmail.com Ph.No:9966524235, 7981889365</p>	<p><b>Dr.Eswaramoorthy KV</b> Assistant Professor, Department of Electronics and Communication Engineering IIITDM Kurnool Andhra Pradesh-518008 Email:eswaramoorthykv@iiitk.ac.in Ph.No: 9342295475</p>
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