



Online Faculty Development Programme (FDP) on Artificial Intelligence and Its Applications in Electronics and Communication Engineering (20th to 29th July 2026)



Organized by
Electronics & ICT Academy, NIT Warangal
in association with
**Department of Electronics and Communication Engineering,
Vasavi College of Engineering (Autonomous)**

Accredited by NAAC with A++ Grade,
Affiliated to Osmania University, Ibrahim Bagh, Hyderabad, 500031.

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

This Faculty Development Program (FDP) focuses on Artificial Intelligence and its transformative applications in Electronics and Communication Engineering. It will cover AI concepts, machine learning and deep learning techniques, and their integration with signal processing, communication systems, VLSI, embedded systems and IOT. The program aims to enhance the knowledge and practical skills of faculty members and researchers in applying AI-driven solutions to solve real world engineering problems, supported by case studies and insights from industry experts.

Major Course Contents

- Fundamentals of Machine Learning, Deep Learning, and Neural Networks
- AI Techniques for signal processing and communication systems
- AI-Driven Design and Optimization of VLSI and Semiconductor Devices
- Applications of AI in Embedded Systems and IoT
- Industry Trends, Research Challenges, and Future Directions of AI in ECE

Faculty conducting this Programme

The programme will be conducted by the faculty members from NIT Warangal and ECE Department Vasavi College of Engineering. Resource persons are invited from IITs / NITs to deliver lectures in the programme. Experts from industries also will deliver lectures as a part of the course.

Registration Fee Particulars

Faculty and Research Scholars	Rs. 500/-
Industry Participants	Rs. 2,250/-

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

Online Transfer Details



AIAECE

<https://payments.billdesk.com/bdcollect/bd/vasavicolleg eofengineering/20390>

How to apply

Participants are required to fill out the online registration form by clicking on the following link:
<https://forms.gle/GjJSjuzkEYnAxV1Y6>

Selection Criteria

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

Important Dates

Last date (Application)	18.07.2026
Selection List by E-mail	19.07.2026
Duration	20.07.2026 to 29.07.2026

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. programmes in various specializations.

About Vasavi College of Engineering

Established in 1981 by Vasavi Academy of Education, VCE represents a rich tradition of excellence in technology-based education. A premier-league institution among the affiliates of Osmania University, The college is accredited by NAAC with 'A++' GRADE and offers seven UG (Civil, Mechanical, ECE, CSE, CSE AI & ML, EEE and IT) with the total sanctioned intake of 780 and 4 PG programmes [ME (ES & VLSI); ME (ADM); ME(PS & PE); and M.Tech (CSE)]. The college has been granted autonomy by the University Grants Commission, New Delhi and Osmania University, for a period of six years with effect from 2014-15 and has been extended the autonomous status for a period of ten years from 2021-2022 to 2030-2031. Six UG programs (Civil, CSE, ECE, EEE, IT & Mech. Engg.) got NBA accreditation under Tier-I for a period of 3 years with effect from 2024-27

