



## ONLINE FACULTY DEVELOPMENT PROGRAM(FDP) ON



# Generative AI Applications in Health care, IoT and Cyber security

6<sup>th</sup> July- 17<sup>th</sup> July 2026

Organized by

E&ICT Academy, NIT Warangal

In association with

KU College of Engineering & Technology, KU Campus, Kakatiya University, Warangal -  
Telangana, India.

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 Programs 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.

Participants need to pay the registration fee online using the following details

#### Online Transfer Details

Account Name: **BalaPrakasa Rao Killi**

Account No: **31715582146**

IFSC: **SBIN0020149**

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

(or) UPI ID :**7002457102@ybl**

### ABOUT FDP

This FDP is designed to provide participants with in-depth knowledge of the latest advancements in Artificial Intelligence (AI), Machine Learning(ML),Deep Learning(DL),Internet of Things(IoT),and Cyber Security Technologies. The program aims to bridge the gap between academia and industry by offering insights into cutting-edge research trends and industrial applications in these domains. The course will cover fundamental concepts, recent advancements and real- world applications, enabling participants from academic and research backgrounds in Science and Engineering to stay updated with emerging technologies. The FDP is conducted online by Department of CSE, KU College of Engineering & Technology, KU, Warangal in association with National Institute of Technology, Warangal. The entire course is designed to be handled by experienced academicians from the institutes like IITs & NITs and industry experts.

### MAJOR COURSE CONTENTS

- Introduction to ML, DL, IoT, and Cyber security basics.
- Traditional AI vs Generative AI: key differences.
- Generative AI models: GPT, GANs, and Diffusion explained
- Real-world uses of Generative AI in Healthcare, IoT, and Cyber security.
- Using Generative AI for anomaly detection in IoT data.
- Synthetic data generation for cyber security training and threat simulation.
- Medical image synthesis and patient data privacy with Generative AI.
- Future trends and research directions in Generative AI for these fields.

### FACULTY CONDUCTING THIS PROGRAM

The program 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 program.Speakers from industries are also expected to deliver as part of the course.

### REGISTRATION FEE PARTICULARS

|                            |           |
|----------------------------|-----------|
| Faculty /Research Scholars | Rs.500/-  |
| Industry Participants      | Rs.1500/- |

### HOW TO APPLY

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

<https://forms.gle/SKENEFCa9XMFGHmZ7>

### SELECTION CRITERIA

Selection will be made based on first-come-first-serve basis to a maximum number of 40 participants. Candidates will be issued satisfactory certificates on successful completion of the course.

### IMPORTANT DATES

|                            |                             |
|----------------------------|-----------------------------|
| Last date for Registration | 30 <sup>th</sup> June, 2026 |
| Selection List by E-mail   | 2 <sup>rd</sup> July, 2026  |
| Duration                   | 06/07/2026 to 17/07/2026    |

### 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 under graduate and 31 post-graduate programs besides doctoral programs. 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.

### ABOUT KUCET

KU College of Engineering & Technology (KUCET), established in 2009, is a constituent college of Kakatiya University under the Government of Telangana. Located within the 650-acre Kakatiya University campus, the college offers B.Tech programs in CSE, ECE, EEE, Mechanical, IT, Civil, and CSD. It also offers M.Tech programs in CSE, ECE, and Mechanical Engineering, along with Ph.D. programs and advanced research facilities that promote innovation and interdisciplinary research. With approximately 1,700 students, KUCET is known for its commitment to academic excellence, research, innovation, and skill development in engineering education.



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1. Name :
2. Designation :
3. Institution :
4. Email :
5. Mobile No :

6.

|               |
|---------------|
| 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:
13. Do you belong to SC/ST:      YES/NO

### 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 "**Generative Applications in Health care, IoT and Cyber security**" sponsored by Electronics & ICT Academy during **6<sup>th</sup> July- 17<sup>th</sup> July 2026** at KU College of Engineering & Technology.

**Signature of Head of Institution  
(with seal)**

### Address for correspondence

Post your application form to  
**Prof. N Ramana**  
**HoD, Dept,of CSE**  
KU College of Engineering&Technology, Warangal  
Telangana-506009, India

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

### **Registration Link:**

<https://forms.gle/SKENEFC9XMFGHmZ7>

For more details about Electronics&ICTAcademy, NIT, Warangal, please visit:

<https://nitw.ac.in/eict>

### **For more enquiries please contact:**

**Prof. BalaPrakasa Rao Killi**

**Associate Professor, Department of CSE**

**NIT Warangal**

**Email id: bsprao@nitw.ac.in Ph. No: 7002457102**

For more details, please visit: [NIT Warangal](https://nitw.ac.in)

## Coordinators

**Prof Bala prakasa Rao killi**

**Associate Professor, Department of CSE**

**National Institute of Technology, Warangal**

**Mail id: bsprao@nitw.ac.in Ph. No: 7002457102**

**Prof. N Ramana**

**HoD, Dept,of CSE**

**KUCE&T, Kakatiya University, Warangal,**

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