



**ONE WEEK FACULTY  
DEVELOPMENT PROGRAMME  
INTERACTIVE COMPUTING WITH  
AUGMENTED AND VIRTUAL  
REALITY: FUNDAMENTALS AND  
APPLICATIONS**

**2<sup>nd</sup> June – 7<sup>th</sup> June 2025**

**Organized by  
Electronics & ICT Academy (Hub), NIT  
Warangal**

**In Association with  
E&ICT Academy (Spoke), IIITDM  
Kurnool, Andhra Pradesh**

**&**

**G. Pulla Reddy Engineering College  
(Autonomous), Kurnool  
Andhra Pradesh**

**Sponsored by  
Ministry of Electronics and  
Information Technology (MeitY),  
Government of India**

**Venue: G. Pulla Reddy Engineering  
College, Kurnool.**



**Overview of Faculty Development  
Program:**

The Faculty Development Program aims imparting "awareness and training on Augmented and Virtual Reality (AR/VR) Fundamentals and skill development" for faculty thereby upgrading the academic and research expertise of participants from engineering colleges and research organizations. Augmented Reality (AR) is a technology that overlays computer-generated upgrades to a real-world environment to make it more relevant by allowing users to interact with it. AR is a technology that built into apps and used on mobile devices to merge computer components into the real environment in such a way that they complement one other while being easily distinct. This Faculty Development Program paves the way to a better understanding of both VR and AR, as well as how to apply the principles of both in a real-world setting.

**Major Course Content:**

- ▣ Basics of AR, VR using free, open-source tools
- ▣ Hardware and Software components
- ▣ How to use and design AR/VR interfaces and development tools

▣ **How to use AR and VR in teaching and learning pedagogy**

- ▣ Elements in VR & AR - Haptics, Tracking, Visual perception
- ▣ Practical applications in different sectors
- ▣ Training on VR software
- ▣ VR & AR developments in IPR
- ▣ Hand-on Demos and Training - VR & AR
- ▣ Explore the current research trends and future scope of XR in education
- ▣ Virtual labs

**Resource Persons**

- ❖ Dr. K. Krishna Naik, IIITDM Kurnool, India
- ❖ Dr. M. Raja, Dept. of Multimedia, VIT, Vellore, India
- ❖ Haripriya Manne, AR/VR developer, Cognine Technologies Hyderabad, India
- ❖ Dr. P. Kishore, IIITDM Kurnool, India
- ❖ Dr. Himangshu Sarma, IIIT, Sri City, India
- ❖ Dr. A.P. Lingaswamy, GPREC, Kurnool, India.

### How to apply:

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

<https://forms.gle/fKjp3JvDmd2aDfbZ8>

### 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.

### Fee Particulars

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

**Faculty/Research scholar Rs.1500/-  
(Without Accommodation)**

**Faculty/Research scholar Rs.2000/-  
(With Accommodation)**

**Industry Participants Rs.7500/-**

### Online Transfer Details

Account Name: Electronics & ICT Academy NITW

Account No: 62423775910

IFSC : SBIN0020149

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

### Important Dates

Last date of online registration:  
**20.05.2025**

Selection list by e- mail: **25.05.2025**

### 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 GATE 2024.

### About G. Pulla Reddy Engineering College

G. Pulla Reddy Engineering College is the brainchild of late Sri G.Pulla Reddy, the

renowned philanthropist. The college is one of the best engineering college in Andhra Pradesh and successfully completed 40 years with academic excellence. The college has the permanent affiliation to Jawaharlal Nehru Technological University Anantapur, Ananthapuramu, and is approved by All India Council for Technical Education (AICTE), New Delhi and accredited by NBA of AICTE and NAAC of UGC, New Delhi. The college has been granted AUTONOMOUS STATUS by University Grants Commission, New Delhi, with effect from the academic year 2006-2007. Since the college has obtained A+ grade, it is granted Autonomous status for 10 years straight away. The College offers 5 UG programs, 5 PG programs, and Ph.D. programs in all branches of Engineering.

### Coordinators

**Dr. A. Pedda Lingaswamy, Assistant Professor, Department of Humanities & Basic Sciences, G Pulla Reddy Engineering College, Kurnool.**

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**Organizing Committee: H&BS, GPREC**