



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

2nd June – 7th June 2025

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

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

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**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, Eduridge, 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.2500/-

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**

Duration of the FDP:

02.06.2025 to 07.06.2025

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.Pullu 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

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Organizing Committee: H&BS, GPREC