

ORGANIZING BY

Department of
Electronics & Communication
Engineering

G. Pulla Reddy Engineering College
(Autonomous)

Accredited by NBA of AICTE & NAAC of UGC
with 'A' Grade.

G. Pulla Reddy Nagar, Nandyal Road,
KURNOOL - 518 007, Andhra Pradesh, India.

Objective of the FDP:

To equip participants with comprehensive knowledge and practical skills in the domains of Embedded Systems, Speech Processing, and Wireless Communications using MATLAB, with a focus on contemporary developments and real-world applications. This FDP is designed to enhance both academic and industry-oriented competencies through hands-on training and simulation-based approaches. Distinguished experts from reputed academic institutions and industry will deliver technical sessions, providing valuable insights into current trends, tools, and implementation strategies in these fields

Contents of the FDP:

- Overview of MATLAB and Simulink for Embedded Applications
- MATLAB-based real-time code deployment using Arduino Uno
- Speech processing techniques (feature extraction, TTS, ASR, NLP)
- Time and frequency domain signal analysis and filter design
- Interfacing machine learning algorithms using MATLAB
- Design of wireless communication systems with modulation and SDR demonstration

CHIEF PATRON

Sri. P.Subba Reddy
Chairman, GPREG, Kurnool

PATRON

Dr. B. Sreenivasa Reddy
Principal, GPREG, Kurnool

CO-PATRONS

Dr. K. Suresh Reddy
Prof. & HOD of ECE, GPREG

Dr. S. Nagaraja Rao
Prof. & Associate Head of ECE, GPREG

CONVENERS

Dr. G. Amjad Khan
Associate Professor, ECE, GPREG

Smt. A. Parvathi
Assistant Professor, ECE, GPREG

CO-CONVENERS

Dr. PC. Praveen Kumar
Assistant Professor, ECE, GPREG

Sri. S. Ramesh Babu
Assistant Professor, ECE, GPREG

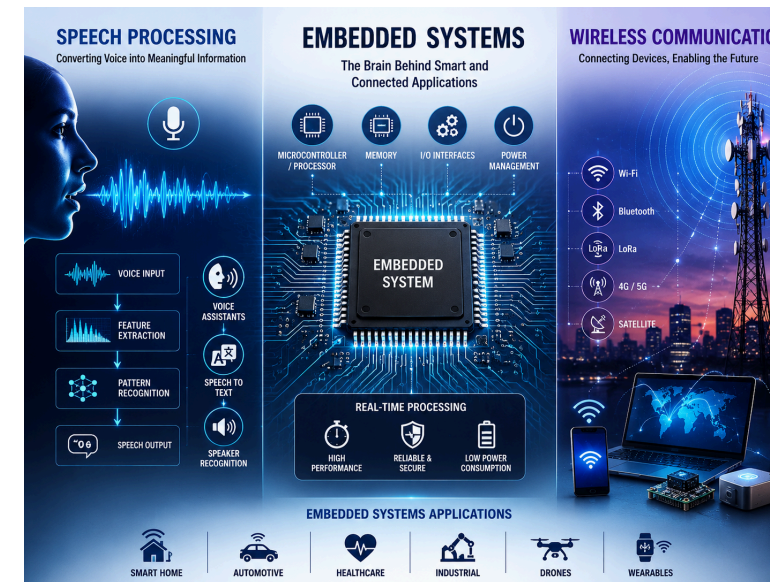


A Five Day National Level Faculty
Development Program
(Offline Mode)

on

Embedded Systems,
Speech Processing &
Wireless Communications
Using MATLAB

02-06-2026 to 06-06-2026



ABOUT THE INSTITUTION:

The College is the brainchild of the renowned philanthropist, Sri G. Pulla Reddy. Established in 1985 and managed by G. Pulla Reddy Charities Trust, the college is affiliated to Jawaharlal Nehru Technological University Anantapuramu and approved by AICTE, accredited by NBA of AICTE and NAAC of UGC.

The College celebrated its Ruby Jubilee Celebrations during 2024-2025 and completed 40 years of its service in Engineering Education. The college offers Under Graduate Programs in Nine branches and Five Post Graduate courses. The college is situated on Kurnool-Chittoor National Highway No. 7. Kurnool is well connected by Rail and Road. The places of interest nearby are Srisailam and Belum Caves.

ABOUT THE DEPARTMENT:

The Department of Electronics and Communication Engineering was established in the academic year 1984-86 with an intake of 40 and currently with 180 regular and 18 lateral entry students. The department is also offering one postgraduate programme with the specialization of VLSI and Embedded Systems with an intake of 18 students

FDP DETAILS:

- The one-week FDP will be conducted by experienced resource persons from reputed institutions and industries, with expertise in MATLAB-based embedded systems, signal processing, artificial intelligence, and wireless communication.
- The first two days will focus on MATLAB and Simulink for embedded applications, including real-time deployment on Arduino and model-based design. The next two days will cover speech processing and advanced signal processing techniques. The final sessions will emphasize on 5G LENA and experimentation.
- Certificates will be awarded to participants who attend at least 80% of the FDP sessions.
- Mode of Conduction: Offline Mode.
- Session Timings (Tuesday to Saturday): 09:30 AM – 12:30 PM and 1:30 PM – 4:30 PM.

Resource Persons



Dr. K. Krishna Naik,
Associate Professor,
Department of Electronics and
Communication Engineering,
IITDM Kurnool.



Ms. P.Chandana
Product Manager
ARKANCE IN Pvt. Ltd. Hyderabad



Dr. Archana K B
Sr.Assistant Professor
VNRVJIT, Hyderabad

Registration Details

Eligibility

Faculty members, Research scholars, and PG Students.

Registration Fee : 500/-

Industry Professionals

Registration Fee : 1000/-

Registration Link



<https://bitly.cx/GPRECECFDP2026>

Registration Deadline

May 25th 2026

Contact for other queries:

Dr G Amjad Khan

Mobile: +91-9912555105

E-mail :

amjadkhan.ece@gprec.ac.in

Smt A Parvathi

Mobile: +91-9440360352