



A One Week Faculty Development Program (FDP)

On

Artificial Intelligence & Machine Learning with MATLAB

(OFFLINE MODE)

02nd -06th Dec, 2024



Organized by

**Department of Emerging
Technologies in Computer
Science in Association
with Department of ECE**

**G. Pulla Reddy Engineering
College (Autonomous)
Kurnool-518007 Andhra
Pradesh, India.**

About the College

G. Pulla Reddy Engineering College is the brainchild of Late Sri G. Pulla Reddy, (popularly known as Sweets Pulla Reddy in A.P.) the renowned philanthropist and a great humanist. Established in 1984- 85, it is one of the earliest private engineering colleges in the state of united Andhra Pradesh. GPREC has been functioning as an autonomous institution since 2006. The College is being managed by G. Pulla Reddy Charities trust, Hyderabad. The trust was instituted by late Sri G. Pulla Reddy Garu in 1977 with the motto of rendering service to the society. The trust has established many educational institutions, hospitals, orphanages, respite homes and other social welfare organizations in various parts of united Andhra Pradesh. G. Narayanamma Institute of Technology & Science (GNITS) –Hyderabad, G. Pulla Reddy College of Pharmacy – Hyderabad, G. Pulla Reddy Dental College – Kurnool are some of the other institutions being managed by this trust.

About Department:

The Department of Emerging Technologies in Computer Science is offering Computer Science & Business Systems (CSB), Computer Science & Engineering in Data Science (CSD) and Computer Science & Engineering in Artificial Intelligence and Machine Learning (CSM). The Emerging Technologies in Computer Science Department is conducting workshops, training programs to create awareness

on latest technologies, computer applications and suitable solutions for various issues in the field of Emerging Technologies in Computer Science.

About FDP:

This FDP aims to build a strong theoretical foundation in Artificial Intelligence and Machine Learning, with a focus on practical applications using MATLAB. This FDP addresses cutting-edge challenges in the field, equipping participants with in-depth knowledge and hands-on skills. By introducing recent advancements and best practices, the program seeks to enhance the quality of education in institutions by integrating these developments into academic curricula.

Resource Persons:

1. Mr. J. Prem Kumar

Product Manager for MathWorks,
ARKANC Technologies Private Limited
Hyderabad.

2. Dr. G. Amjad Khan

Associate professor of ECE,
GPREC, Kurnool.

3. Dr. M. Abid Nayeemuddin

Associate professor of ECS
GPREC, Kurnool

Topics to be covered:

- ❖ Introduction to Machine Learning
- ❖ Introduction to MATLAB
- ❖ Introduction to Simulink
- ❖ Feature Extraction for Machine Learning
- ❖ Challenges in Feature Extraction in Machine Learning
- ❖ Supervised Learning and Unsupervised Learning
- ❖ Architecture of CNN (CNN)
- ❖ Designing CNN from Scratch
- ❖ CNN Design and Training with Deep Network Designer App
- ❖ MATLAB Support to Open-Sourced Pre-Trained Models
- ❖ Adding, Importing Pre-Trained Models into MATLAB and its Applications
- ❖ Importing TensorFlow Models into MATLAB
- ❖ Using MATLAB with Python for Deep Learning
- ❖ Introduction to RL
- ❖ Working of Reinforcement Learning

CHIEF PATRON:

Sri. P. Subba Reddy
Chairman, GPREC, Kurnool.

PATRON:

Dr. B. Sreenivasa Reddy,
Principal, GPREC, Kurnool.

CO-PATRONS:

1. Dr. R. Praveen Sam
Prof. & HOD of ECS,
GPREC, Kurnool.
2. Dr. S. Nagaraja Rao
Prof. & HOD of ECE,
GPREC, Kurnool.
3. Dr. T. Brahmananda Reddy
Prof. & Dean of R & D Cell,
GPREC, Kurnool.

CONVENERS:

1. Dr. M. Abid Nayeemuddin
Associate Professor of ECS
☎ 9393930904
2. Dr. G. Amjad Khan
Associate Professor of ECE
☎ 9912555105

CO-CONVENERS:

1. Sri. P. Praneel Kumar
Assistant Professor of ECS
☎ 8500261111
2. Sri. B. Sreedhar
Assistant Professor of ECS
☎ 9494939743

ADVISORY COMMITTEE:

Dr. Y. Rama Mohan, Associate Professor &
Assoc HOD of ECS
Dr. K. Suresh Reddy, Professor & Associate
HOD of ECE
Dr. K. Govardhan Reddy, Professor of ECS
Dr. G. Raghu Ram, Associate Prof. of ECS
Dr. A. Vishnu Vardhan, Associate Prof. of ECS
Sri. K. Srikanth, Associate Prof. of ECS

ORGANIZING COMMITTEE:

All the Faculty members of ECS & ECE
Department

Target Audience: For Faculty & Research
Scholars

Registration fee: FREE

- Limited to 40 seats only
- Certificate will be given to all active participants whose attendance & Test score is more than 80%

Last date for registration: 25th Nov, 2024

Registration Link:

<https://bit.ly/fdpgprec>



WhatsApp Link:

<https://chat.whatsapp.com/lrHGMxEQR26F6p03lORZ8>

