

A Five Days Faculty Development Program

on

Current Trends in Artificial Intelligence and Engineering Applications in The Area of Machine Learning and Deep Learning

(February 6th - 10th, 2023)

Organized by

Directorate of Faculty Development Cell

JNTU- GV, Vizianagaram

www.jntugv.edu.in



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Program Objective:

Machine Learning and Deep Learning draws on concepts and results from many fields, including Statistics, Artificial Intelligence, Philosophy, Information Theory, Biology, Cognitive Science, Computational Complexity, and Control Theory.

The **Motivation** of conducting this program is that the best way to learn about Machine Learning and Deep Learning is to view it from all of these perspectives and to understand the problem settings, algorithms, and assumptions that underlie each intended in fields such as Computer Science, Engineering, Statistics, and the Social Sciences, and as a reference for Software Professionals and Practitioners.

Pre-requisites:

Basic experience in programming using R and Python is necessary for doing practical exercises. We assume no prior knowledge in Machine Learning (as it is an introductory course), however basic knowledge of Probability, Linear Algebra, Statistics and algorithms.

Pedagogy:

Will consist of theoretical sessions to enable participants to understand the conceptual base and contain programming exercises to reinforce the learning. **Participants are required to bring their own Laptops** (Wi-Fi connectivity will be available)

Target Audience:

Academicians, Research Scholars, PG students, Developers, Data Scientists/Data Analysts and Young Engineers who want to learn the concepts of Machine Learning and its Applications.

About University

JNTU College of Engineering, Vizianagaram was established in the year 2007 as a constituent College of JNTU Hyderabad. JNTU Hyderabad was trifurcated into three Universities by the Andhra Pradesh Act No. 30 of 2008 and since 24th August 2008, the College has become the constituent college of JNTU Kakinada. Vide University Act No.22 of 2021, JNTU Kakinada is bifurcated and Jawaharlal Nehru Technological University Gurajada, Vizianagaram come into existence as a separate University vide G.O.Ms.No.3, dated: 12-01-2022.

The university is spread across six districts i.e., Vizianagaram, Visakhapatnam, Srikakulam, Parvathipuram Manyam, Alluri Sitharama Raju and Anakapalli. There are 2 constituent colleges and 37 affiliated colleges under its jurisdiction and catering education in different Engineering, Pharmacy and Management departments.

Topics To Be Covered

- Current Trends in Artificial Intelligence
- Machine Learning Algorithms and it's applications.
- Machine Learning in Computer Vision
- Deep Learning Algorithms and it's applications.
- Deep Learning Algorithms with NLP

Resource persons From Indian Institute Of Technology (IIT), National Institute Of Technology (NIT), State University and Industry

Registration Link:

<https://forms.gle/psMkugnHYdMiJCK38>

Accommodation:

Paid Accommodation is available.

For More information:

<https://facultydevelopmentprogram.netlify.app>