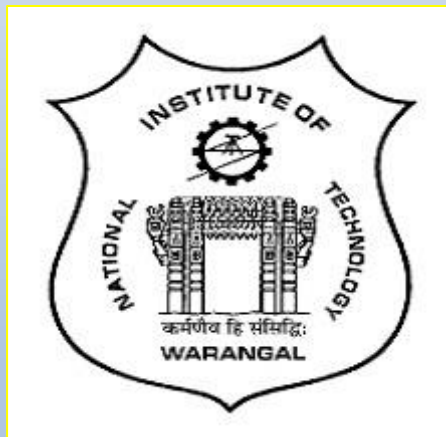


**FIVE DAY NATIONAL LEVEL FDP (ONLINE)**

on

# **Artificial Intelligence and Machine Learning**

**8<sup>th</sup> November to 12<sup>th</sup> November 2021**



*Organized by*

**DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING  
RAGHU ENGINEERING COLLEGE  
VISA KHAPATNAM**

*in association with*

**CENTER FOR CONTINUING EDUCATION  
NATIONAL INSTITUTE TECHNOLOGY  
WARANGAL**

## About NIT Warangal

National Institute of Technology Warangal, formerly known as Regional Engineering College was established in 1959. Over the years it has developed into a premier institute of higher learning and is ranked among the top technical education institutions in India. There are 13 Departments offering eight undergraduate and 32 post-graduate programmes besides doctoral programmes. About 5000 students across the country and about 500 international students study in the campus. It is a fully residential campus sprawling over 250 acres with excellent infrastructure, state of the art library, seminar halls guest house and laboratory.



## About Center for Continuing Education

The Center for Continuing Education NIT Warangal organizes FDPs / Training programmes / Seminars / Workshops etc., in the frontier areas of Science, Engineering, Technology, Management, Humanities, Social Science and Socially relevant themes on self-financing basis in three different modes: (i) At NIT Warangal (ii) At NIT Warangal in collaboration with other organizations/ Engineering Colleges / Institutes (iii) By NIT Warangal Faculty at the Host Organization / Institute.

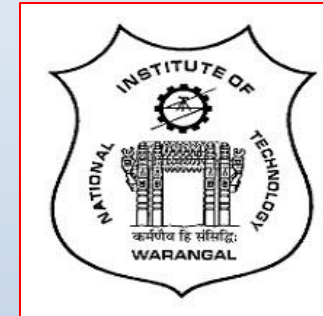
## About Raghu Engineering College

Located in the lush green outskirts of the city of destiny Visakhapatnam and established as brainchild of the renowned academician Sri Raghu Kalidindi in year 2001, Raghu Engineering College is sprawling across over 50 acres of campus area and is perched on NH-43 in Dakamarri village, Bheemunipatnam mandal and is just 37 KM from Visakhapatnam, less than 17 KM from Vizianagaram. The college is approved by AICTE New Delhi and is permanently affiliated to JNTU-K and is also accredited by NBA and NAAC with "A" Grade and was given the status of Autonomous in the year 2017 by UGC. RAGHU Engineering College offers four years full-time undergraduate programmes in various branches of specialization in engineering. The college also offers two year full-time M.Tech programmes in CAD/CAM, Computer Science Engineering, Embedded Systems and Power Electronics.



## About Department of Computer Science & Engineering

Department of Computer Science and Engineering was started since the inception of RAGHU Engineering College during 2001 with an initial intake of 60. The strength was enhanced to 180 in 2017. The Department had added B.Tech CSE with specialization courses as AI&ML, IoT, Data Science, and Cyber Security from 2020. The Department had also added Post graduate programme in Computer Science and Engineering during the academic year 2011 with an intake of 18. The Department has state-of-art laboratories equipped with advanced and well-maintained equipment, continuously updated application software packages, more than adequate computing systems with 24x7, 500 MBPS internet facility. The department is run by well qualified and experienced faculty & supporting staff.



**Center for Continuing Education**

**NATIONAL INSTITUTE OF TECHNOLOGY  
WARANGAL**

**&**

**RAGHU ENGINEERING COLLEGE,  
VISAKHAPATNAM**

**ONLINE FACULTY DEVELOPMENT  
PROGRAMME**

**ON**

**Artificial Intelligence  
and  
Machine Learning**

**8<sup>th</sup> Nov 2021 - 12<sup>th</sup> Nov 2021**

## About FDP

### Overview

This FDP program aims to update knowledge on the current trends and future aspects of Artificial Intelligence and Machine Learning.

### Course Objectives

- Upon the completion of the faculty development program the participants/trainee can understand/ gain knowledge in solving the real-world problems in AI and Machine Learning applications.
- Latest tools and techniques in AI and Machine Learning.
- Research oriented problem solving in the broad area of AI and Machine Learning.

### Programme aims in understanding the following

- Basics of AI, ML and DL, Supervised and unsupervised Algorithms.
- Working with data pre-processing and data visualization using python.
- Supervised learning like regression, Unsupervised Machine learning algorithms like SVM, KNN etc.
- Deep learning techniques like single and multi-layer perceptron, LSTM.
- Introduction to AI, machine learning tools and techniques, Simple and multiple linear regression.
- Neural networks and multilayer perceptron, Back propagation CNN applications.
- Heuristic and metaheuristic techniques in AI.
- Advanced research applications in Machine and deep learning.

### Expected Outcomes

At the end of FDP, participants will be able to

- Explore topics in Machine learning and Deep learning for their research work.
- Select the research topic.
- Design and implement various Machine learning and Deep learning algorithms in a range of real-world application.

### Resource Persons

The Sessions will be handled by the experts From IITs / NITs / Central University and Professor from U. S. Universities.

### Registration

The Programme is open to all Faculty / Research Scholars / PG Students / Industry Professionals.

### How to Apply

Interested candidates can apply online by clicking below link

<https://forms.gle/EokL5yRWnocWVqDG8>

Participants details need to be filled and payment details uploaded by using the above link on or before 7th November, 2021.

**Registration Deadline: 7<sup>th</sup> November 2021.**

### Registration Fee:

Faculty, Research Scholars and PG students: 500/- (Five Hundred Rupees only).

Industry Professionals:1000/- (Thousand Rupees only).

### Bank Account Details

ACCOUNT NAME	CCE NITW
BANK NAME	SBI
ACCOUNT NO	62403680215
IFSC CODE	SBIN0020149
BRANCH	NIT WARANGAL

The interested individuals may register on the first come first serve basis. Since, this FDP is open for all Indian participants; the seats are limited only. Participants will get E-certificate upon completion of the course.

### Address for Correspondence

Any further queries, please feel free to contact

### The Coordinator

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