

Centre for Continuing Education of NIT Warangal

The Centre for Continuing Education of NIT Warangal organizes Continuing Education Programs and Workshops 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 by NIT Warangal (ii) At NIT Warangal in collaboration with other Organizations (iii) By NIT Warangal Faculty at the Host Organization/Institute.

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 programs besides doctoral programs. 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 houses and laboratories.

About SIRCRRCOE, Eluru

Sir C.R.Reddy College of Engineering is the first Engineering College in Andhra Pradesh sanctioned and recognized by All India Council for Technical Education (AICTE). This College is permanently affiliated to JNTUK from the Academic Year 2017-18.

Since its inception in 1989, Sir C.R.Reddy College of Engineering has been a premier institute for quality engineering education in Andhra Pradesh under the stewardship of its broad minded and magnanimous management. The last two and a half decades has seen the Institute fulfilling its motto of 'QUALITY SERVICE & VALUE BASED EDUCATION' to the student community.

The College is located in its own sprawling campus with an area of 30.48 acres. Its magnanimous infrastructure and greenery attracts the attention of people who pass by. The vast green campus housing several Departments provides a stimulating environment to the high caliber staff and students of the institution.



About Department of Information Technology, SIRCRRCOE, Eluru

Information Technology is the most flourishing and extremely pervasive Discipline that is witnessing an unprecedented Innovation in Technologies for Communication, Computation, and Interactivity. The Information Technology Department in SIRCRRCOE started its journey in the year 2000 with an intake of 60 students. We now have strong Undergraduate Program with an annual intake of 120 students.

The Department of Information Technology is committed to excellence in Teaching, Research and provides the right echo system for nurturing the budding professional skills of students. The Department has well experienced staff with doctorates and M.Tech qualification. The Department is well equipped with state-of-the-art Laboratories and provides enhanced Learning Facilities for students, to engage in Continuous Learning and Research. The students are imparted with Industry Relevant skills, which help them to get placed in world-class Organizations and for further excellence throughout their Professional careers.

Highlights

This program will be conducted three hours per day. This course will help faculty community to update themselves about recent trends in Artificial Intelligence and Machine Learning.

Contacts

Dr. Raju Bhukya,

Assistant Professor, In-charge CCE & Coordinator,
Department of CSE, NIT Warangal,
Mobile: 9700553922, 8332969733.
Email:raju@nitw.ac.in

Dr.G.Chamundeswari,

Associate Professor,
Department of Information Technology,
Sir C R Reddy College of Engineering, Eluru-534007
Mobile: 9440326328
Email:gantachamu@gmail.com

N V S K Vijayalakshmi K

Assistant Professor,
Department of Information Technology,
Sir C R Reddy College of Engineering, Eluru-534007
Mobile: 9492228790
Email:vijayakathari@gmail.com



Center for Continuing Education
NIT Warangal



**Online Faculty Development Program on
“ARTIFICIAL INTELLIGENCE
&
MACHINE LEARNING”**

22nd - 26th November 2021

Call for Registration and Participation

Convener

**Dr. S.Krishna Rao, H.O.D,
Department of I.T, SIRCRRCOE**

Coordinators

**Dr. G.Chamundeswari, Assoc.Prof
N V S K Vijayalakshmi K. Asst. Prof**

Organized by

**Department of Information Technology,
SIR C.R.REDDY COLLEGE OF ENGINEERING,
Eluru-534007.**

**In association with the
Center for Continuing Education,
NIT Warangal**



Overview

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

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.

Course Content

- * Introduction to Machine Learning and Tools Installation.
- * Numpy and Pandas using Python, Data Preprocessing and Visualization. Simple and Multiple Linear Regression Introduction to Python: why Python Programming, Data Types and Operators, Control Flow, Functions, Scripting, Classes, Regression through gradient descent, Particle swarm optimization, Teaching Learning based Optimization.
- * Optimization through meta heuristic techniques,
- * Linear and Non-Linear regression with the help of Gradient Descent Technique, Multi language Machine Translation using NLP Techniques.
- * Decision Tree and Support vector Regression.
- * ANN using Python.
- * Real Time Object Detection using Open CV and DNN.
- * Tensor Flow and Keras using Python.
- * Face Mask Recognition system using Tensor Flow and Keras, Deep RNN and Bidirectional LSTM.

Resource Persons

Eminent academicians from IITs, NITs, Central Universities and Industry Professionals will deliver lectures.

Registration is open to

Faculty members, Post-doctoral fellows, Doctoral Research students, and participants from Industries.

Benefits

- Participants will get an e-certificate upon successful completion of the course
- Course material, session recordings will be shared with participants with the consent of the speaker

How to Apply

Eligible candidates may apply by filling the following

Google form with payment proof on or before 15th November 2021

The registration fee may be remitted through net banking to the Bank account given and upload the proof of remittance in the Google form.

Link: <https://forms.gle/WiXeIAc7FzETCq1W8>

Registration Fee

Category	Amount
Faculty members, Post-Doctoral Fellows, Doctoral Research Students	Rs. 500 /-
Participants from Industry	Rs. 1000/-

Payment Details

Account Number	62403680215 (Current Account)
Account Name	Center for Continuing Education NITW
Bank Name	State Bank of India (SBI)
Branch	NIT Warangal
IFSC Code	SBIN0020149

Confirmation of Participation

On receipt of the Google form and fee remittance receipt, participants will be sent confirmation of their participation through email by 16th November 2021. As the program is conducted online with hands-on sessions, the number of participants in the workshop is limited. *Candidates are advised to register early to avoid disappointment.*

Requirements for Online Mode

Desktop/Laptop/Smartphone with good internet speed and sufficient data pack. A web link will be shared with the registered participants for joining the course.

Workshop Timings: **2.00 P.M To 5.00 PM**