

### About NIT 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 under graduate and 32 post-graduate programs beside 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 house and laboratory.

### About Center for continuing Education:

The Center for Continuing Education NIT Warangal organizes FDPs/Training programs/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 VNRVJIET

In the year 1995, Vignana Jyothi Society started the Vallurupalli Nageswara Rao Vignana Jyothi Institute of Engineering & Technology (VNR VJIET) at Bachupally. Named after one of the donors and Vice Presidents of the Vignana Jyothi Society, VNRVJIET secured its affiliation to Jawaharlal Nehru Technological University (JNTUH), Hyderabad and was established with the permission of The All India Council for

Technical Education (AICTE), New Delhi and Government of Andhra Pradesh. The Institute was accorded Autonomous status for Ten years by University Grants Commission (UGC) from the year 2018-19 to 2027-28. The institute is NAAC accredited with "A++" Grade under autonomous status.

India has ranked the Institute at 135<sup>th</sup> rank in the Engineering category and 151-200 rank based in the Overall category in NIRF-2021.

### About the Department

The Department of CSE (AIML & IoT) started in the year 2020, offers 2 UG courses namely B.Tech-CSE (Artificial Intelligence and Machine Learning) and B.Tech-CSE (Internet of Things). B.Tech-CSE (Artificial Intelligence and Machine Learning) started with an intake of 60 students and eventually increased by 120 in 2021, thus having an overall intake of 180. B.Tech-CSE (Internet of Things) has an intake of 60 students.

The department is also recognized as Research Center by JNTUH, Hyderabad. The department provides the state of art laboratories equipped with latest infrastructure.

The primary focus of the department is to impart cutting edge technologies to the students by designing a robust curriculum, promote their problem-solving skills and encouraging them towards innovation using these new technologies. Department is involved in carrying out collaborative and interdisciplinary research having publications in various reputed and indexed journals. The department faculty actively participates in seminars and workshops. The faculties are well trained and act as resource persons in seminars, faculty development programs and deliver invited talks at conferences. Faculties have been certified in the domain of Artificial Intelligence and Machine Learning, from IIIT, Hyderabad and strive to foster the students skills and strengths to meet the industry demands.

## Five Day National Level Online Short Term Course

On

### Machine Learning, Deep Learning and IoT driven Smart Applications

(28<sup>th</sup> March 2022 – 1<sup>st</sup> April 2022)



In Association with

**Center for Continuing  
Education**  
**National Institute of Technology  
Warangal**

**Organized by**  
**Department of Computer  
Science (AIML & IoT)**  
**VNR Vignana Jyothi Institute of  
Engineering and Technology**  
**Vignana Jyothi Nagar, Pragathi Nagar,  
Nizampet-S.O, Hyderabad, Telangana  
India, 500090.**

## CCE Overview

Center for Continuing Education (CCE) aims to update knowledge on the advancements of Deep Learning with Internet of Things.

## Course Objectives:

- To impart the knowledge of Deep Learning with IoT, and its tools and techniques
- To Explore the research Opportunities of Deep Learning with IoT
- Be able to design and implement various Deep Learning algorithms with IoT

## Course Content:

1. Introduction to Deep Learning, Neural Networks Basics
2. Artificial Neural Networks, Back Propagation, Convolution Neural Networks in Various Research Domains
3. Deep Learning Applications in Image Processing, Vision, NLP, etc
4. IoT, IoT Boards, Use cases of IoT
5. Introduction to Raspberry Pi and
6. Installation, Setup and Configuration pi
7. IoT based Smart Agriculture
8. Applications of DL with IoT
9. Smart Agriculture System.
10. Face Recognition Bot
11. Smart Alarm Clock. ...
12. Air Pollution Monitoring System. .

## Expected Outcomes:

**At the end of CCE, Participants will be able to**

- Have a good understanding of the fundamental issues and challenges and advancements of machine learning in AI and IoT

- Faculty & Research Scholars can identify research problems that help to implement real world applications of ML in AI and IoT

## Resource Person

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

## Who should attend?

The Programme is open to all Faculty/Research Scholars/ Industry Professionals/MCA/MBA/Degree/Polytechnic and other eligible students can register the course.

## How to Apply:

Interested candidates can apply online by clicking below link

<https://forms.gle/PxXJJ1xn2sUrsniv7>

Participants details need to be filled and payment details should be uploaded by using the above link on or before **27<sup>th</sup> March, 2022.**

**Course Timings: 04:30 PM to 07:30 PM**

**Registration Deadline:**  
**27<sup>th</sup> March, 2022**

## Registration Fee:

Faculty, Research Scholars and 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 is open for all Indian participants; the seats are limited only. Participants will get **E-certificate** upon completion of the course.

**(Confirmation mails will be sent to the selected participants before two days of the commencement of the FDP.**

**Once registration is done your selection/participation is confirmed.)**

## Address for correspondence:

Any further queries, please feel free to contact the Coordinators.

## Coordinators:

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