



Online Short-Term Course on Machine learning and IoT applications

Organized by

Department of CSE NIT Warangal & Department of CSE, Osmania University

In association with the

Center for Continuing Education, National Institute of Technology Warangal

31st March -04th April 2023



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 hall, 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 Department of Computer Science & Engg NITW

The Department of Computer Science and Engineering (CSE) offers B. Tech course in CSE, M. Tech courses in CSE, Information Security (IS) and Master of Computer Applications (MCA). The Department has experienced faculty with good publications and well-established laboratories. The Department has liaison with reputed industries and R&D organizations like Microsoft, IBM, Oracle, Accenture, Infosys, TCS, EMC2, C-DAC, Motorola, NIC, Sun Micro Systems, SPSS and tie up with IISc in certain areas. Department conducts various sponsored programmes like GIAN, International and national conferences throughout the year.

About Osmania University

The University College of Engineering (UCE) has the distinction of being the oldest and the biggest among the Engineering Colleges of the State of Telangana. Established in the year 1929, eleven years after the formation of Osmania University, it was the 6th Engineering College to be established in the whole of British India. The College offers four-year engineering degree courses leading to the award of Bachelor of Engineering (B.E.) in Artificial Intelligence & Machine Learning Engineering, Biomedical Engineering, Civil Engineering, Computer Science and Engineering, Electrical and Electronics Engineering, Electronics and Communications Engineering and Mechanical Engineering, Mining Engineering. The College also offers courses leading to Master of Computer.

About Department of CSE Osmania University

The Department of Computer Science and Engineering came into being in the year 1988. Since then it is offering most sought after courses in the field of Computer Science and Engineering, both at undergraduate and graduate levels. The department has well qualified staff, Infrastructure and state-of-the-art equipment. The Department has close interaction with software development firms and R&D establishments. To impart skills to develop technical

solutions for societal needs and inculcate Entrepreneurial talents. To achieve excellence in Teaching in the field of Computer Science and Engineering.

Programme aims in understanding the following

- IoT Introduction, IoT Boards, Use cases of IOT, Introduction to Raspberry Pi, Installation, Setup and Configuration pi, Working with LED, Buttons, Buzzers and Different sensors like DHT, Ultrasonic's, Working with LED, Buttons, Buzzers and Different sensors like DHT, Ultrasonic's.
- Creating weather monitor system using analyzing the data, Develop Smart agriculture system using different sensors, Introduction to Machine Learning and Use Cases.
- Smart Phone sensors based Human Activity Recognition System Using Artificial intelligence for Good Health.
- Smart Solar Energy consumption prediction system using Machine learning techniques on Energy Records and Weather sensor data.
- Smart Ventilator Pressure Prediction system using Deep Learning Techniques on Ventilator device data.
- Detecting attacks and anomalies in IoT Smart Sensors using Machine learning techniques

The Sessions will be handled by the experts from IITs/NITs/IIITs Central University/Software Industry.

How to Apply

Interested candidates can apply online by clicking below link

<https://forms.gle/N4Jg3RkCgXwqndR88>

Participants details need to be filled and payment details uploaded by using above link in Google Forms on or before 31st March 2023.

Registration Deadline: 31st March 2023.

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.

Registration Fee:

Faculty: 500 (Five Hundred only).

Industry Professionals: 1000 (Thousand only).

Foreigners: 50 USD.

Bank Account Details

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

Confirmation mails will be sent two days before the Programme. Once Paid/Registered you are Confirmed.

The interested individuals may register on the **FCFS** basis the seats are limited to **300** only.

E-Certificate: Participants will get **e-certificate** upon completion of the STC course.

Address for Correspondence

Any Further queries, please contact the Coordinator.

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