



Online Short-Term Course on Artificial Intelligence Machine Learning and Deep Learning Applications

Organized by

Department of CSE NIT Warangal & Department of I.T JNTUH

In association with the

Center for Continuing Education, National Institute of Technology Warangal

31st March 2023- 4th 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 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 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 JNTUH

Jawaharlal Nehru Technological University, Hyderabad, was established on 2nd October 1972 by the Legislature of the State of Andhra Pradesh as the first Technological University in the country. It has been in the forefront for the past 44 years in providing quality technological education of relevance in the State of Andhra Pradesh. After 36 years of existence it was restructured into 4 different Universities by the Government vide Government Ordinance No.13, dated 18th August 2008 and Act of State Legislature No.30 dated September 2008 and this new University has been designated as Jawaharlal Nehru Technological University Hyderabad (JNTUH).

About Department of Information Technology

JNTU Hyderabad established a Computer Center in 1985 with the support from UGC to cater to the needs of computing of various departments. In 1989, to promote Post Graduate studies, a Department of Computer Science was started under IPGSR (Institute of Post Graduate Studies & Research). In early 2001 the impact of Information Technology was felt in every corner of the

globe. This led to the formulation of an exclusive institute for Computer Science and Information Technology, the present School of Information Technology (SIT), with a vision to promote Knowledge and Technology transfer in Information and communication technology related areas promoting excellence in IT Pedagogy, Software Consultancy, and establishment of an R & D base in Computer Science and IT related education sectors are the aims of the school.

Programme aims in understanding the following

- Basics of AI, ML and DL, Supervised and unsupervised Algorithms.
 - Working with data preprocessing 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.
 - Time series forecasting
- 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/Uecm9Bo3JzR69L46A>

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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