

Centre for Continuing Education of NIT Warangal:

The Centre for Continuing Education of NIT Warangal organizes Continuing Education Programmes 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 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 houses and laboratories.



Brief Profile of the Department of CS & E:

The Department of Computer Science & Engineering was established in the year 1991. The department offers high quality undergraduate, postgraduate and doctoral programs. The Department has a team of well experienced faculty, graduated from IIT's, NIT's, Central Universities and other premier Institutes of higher learning. The department provides state-of-art research facilities to generate knowledge and develop technologies in the thrust areas of Computer Science and Engineering.

For any query regarding this programme, please contact the Coordinators.

Dr. M. Srinivas,

Assistant Professor, Mobile: 8897064421

Department of CSE

Email: sreenu2521@gmail.com



Center for Continuing Education

Online Continuing Education Programme on “Machine Learning in Real Time Applications”

24th August – 28th August, 2020

Call for Registration and Participation

Coordinators

Dr. M. Srinivas

**Organized by
Department of CSE**

**In association with the
Center for Continuing Education**



Overview of the FDP:

Machine learning is important aspect to understand the problems faced by an organization, and to explore data in meaningful ways. Machine learning algorithms are helpful to analyze the data, Predict, interprets, classification and automatically identify data and retrieve the useful information accurately. This context can then be used by the industries to automate the procedures for achieving the better productivity. This FDP is aimed to bring out current trends of Machine Learning in various real time applications.

Objectives:

- To enable participants, learn and conceptualize Machine Learning methods in various areas like biomedical, defense, e-commerce, education, healthcare, etc.
- To investigate theoretical and practical aspects of supervised and unsupervised Methods.
- Effectively analyze problems and identify solutions for real time applications.
- Implement Computer Vision and Medical image applications using python.
- Effectively Implement Deep Learning Models for Image Classification Using Python.

Topics to be covered:

- Introduction to Machine Learning
- Supervised and Unsupervised Methods
- Classification methods, Probability based method, Decision trees, Regression Models.
- Introduction to Python and Hands on python
- Feature Representations. Feature Selection and Non-linear Regression
- Clustering, Dimensionality Reduction Method, Medical data processing, analysis and Retrieval.
- Deep learning Models and CNN'S Classification of images using CNN's
- Data Driven approaches
- Hands-on sessions are covered using Python Programming.

Resource Persons:

Eminent faculty from IITs, Central Universities, Industry and Senior Faculty from different departments of NIT Warangal, will deliver lectures and conduct hands on sessions.

Registration is open to: Faculty members in all disciplines of Engineering, Sciences, Mathematics, Life sciences, Management, Post-Doctoral Fellows, Research Scholars, PG students, UG students who have an aptitude to work in the areas of data analytics .

How to Apply: Eligible candidates may apply by filling the following google form with payment proof on or before 20th August, 2020.

<https://forms.gle/XTQjzmrHatscKNxe8>

Registration fee:

Category	Amount
Faculty, Post doctoral fellows , Research Scholars, PG students, UG students	Rs. 500 /-
Industry participants	Rs. 1000/-

Registration fee may be remitted Online through NEFT to the Bank account given below. Proof of remittance of the requisite registration fee (with transaction number if online transaction) shall be uploaded in the google form.

Account Number	62403680215 (Savings 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 20th August, 2020. As the programme is conducted online with hands-on sessions, the number of participants in the workshop is limited to 100. **Candidates are advised to register early to avoid disappointment.**