



ONLINE FACULTY DEVELOPMENT PROGRAMME (FDP)

ON

Next Generation Systems - Machine learning & Deep Learning Applications

(18 - 01 - 2021 To 22 - 01 - 2021)

Organized by

Center for Continuing Education & Department of Computer Science and EGG,
NIT Warangal

About the NIT Warangal:

National Institute of Technology, Warangal is the first among 17 RECs setup as joint venture of the Government of India and the state government. Over the years the college has established itself as a premier Institute imparting technical education of a very high standard leading to the B.Tech degrees in various branches of engineering, M.Tech. and Ph.D programs in various specializations. All B. Tech and M. Tech programmes of NIT Warangal are NBA accredited.

Centre for Continuing Education Programme of NIT Warangal:

This Centre 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 the CSE Department:

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 the Course:

This FDP designed with the state-of-the-art concepts of Machine Learning, and Deep learning technology that comprises of theory as well as hands-on sessions. The objective was to address modern trends in the field of

Artificial Intelligence with real time problem solving. This FDP focused on hands-on implementation of various algorithms to deliver practical skill to participants.

Major Course Contents:

- Python Overview, Functions and Libraries Data Visualization, Tensor Flow, AI Prog.
- Next Generation Systems , Machine and Deep Learning Techniques.
- Classification of AI and various platforms, introduction to Deep Learning : CNN RNN.
- Open CV for NLP, AI Use Cases, Advanced Models Supervised and unsupervised.
- Role of AI neural networks in IOT Applications, Covid Analysis.
- Hands on System Analysis, modules in Python, Covid Detection, Lung Disease Prediction, perceptrons and ANN
- Back Propagation, particle swarm, ant colony optimization

How to Apply: Interested candidates can apply online by clicking below link

<https://forms.gle/FWEcP4HpG7zHXqeWA>

Last date of application: 17th Jan 2021.

Who should attend?

The Programme is open to faculty and students/research scholars of all Engineering, Colleges and other allied disciplines in India.

Registration:

For Students/Research Scholars: Rs.300

For Faculty: Rs.500

For Industry Participants: Rs.1000

| Account Name | Center for Continuing Education NIT W |
|--------------|---------------------------------------|
| BANK NAME : | SBI |
| ACCOUNT NO : | 62403680215 |
| IFSC CODE : | SBIN0020149 |
| BRANCH : | NIT WARANGAL |

For any queries contact

Dr. Raju Bhukya

CCE Incharge & Coordinator

Assistant Professor,

Department of CSE,

NIT Warangal, Warangal. 506004

Email : raju@nitw.ac.in

Phone: 9700553922, 8332969733