



## ONLINE FACULTY DEVELOPMENT PROGRAMME (FDP)

ON

### Next Generation Computing: Machine & Deep Learning Applications - Research Perspective

(04 - 01 - 2021 to 08 - 01 - 2021)

Organized by

National Institute of Technology, Warangal

(under TEQIP - III)

#### 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.

#### 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. Half of the course is designed for theory, use-case demonstrations, and research oriented discussions, which will be helpful in understanding the process; and the remaining 50% course for practical implementation (hands-on). In brief this FDP covers AI, Machine Learning concepts, Types of Learning, Applications of Machine Learning, Deep Learning, 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:

- Data Visualization
- Machine Learning Techniques
- Classification: Logistic Regression
- Decision Trees, Random Forests
- Deep learning : CNN, RNN
- Reinforcement Learning
- Research issues challenges

#### Faculty Conducting this Programme :

The programme will be conducted by the faculty members from NIT Warangal. Experts from Academia, Industry and Research will handle the theory and hands-on sessions

#### Eligibility :

The programme is open to the faculty and student participants / Research Scholars of all engineering, colleges, and other allied disciplines in India. Industry personnel working in the concerned/allied discipline can also attend.

#### Registration Fee and Selection:

- Faculty : Rs. 1,000/- Only
- Industry participants : Rs. 2,000/- Only
- Students/Research Scholars : Rs. 250/- Only

Fee should be paid through NEFT / Internet banking to the following account

|                |                 |
|----------------|-----------------|
| ACCOUNT NAME:  | TEQIP III Funds |
| BANK NAME :    | SBI             |
| ACCOUNT NO :   | 37583198741     |
| ACCOUNT TYPE : | Saving Account  |
| IFSC CODE :    | SBIN0020149     |
| BRANCH :       | NIT WARANGAL    |

#### Important Note:

Please enter "TQMDL" in remark while doing transaction which is mandatory

Selection will be done based on first-cum-first-serve basis. Selected candidates will be intimated through e-mail only. On receipt of the proof (Transaction ID) of online payment of registration fee, the applicants will be sent confirmation of their participation through Email.

**How to Apply:** Interested candidates can apply online by clicking below link <https://forms.gle/jfzYm8qVxwLtDzMe6>

#### Important Dates:

Last date of registration : 2<sup>nd</sup> January, 2021  
Selection-list intimation : 3<sup>rd</sup> January, 2021  
Duration of Program : 04<sup>th</sup> to 8<sup>th</sup> January, 2021.  
For any queries regarding this programme, please contact the coordinator

#### Dr. Raju Bhukya

CCE Incharge & Coordinator

Assistant Professor,

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