



ONLINE FACULTY DEVELOPMENT PROGRAMME (FDP) ON

DATA SCIENCE

(02nd – 11th January, 2021)

Organized by

E & ICT Academy, National Institute of Technology, Warangal.

in association with

Department of CSE, Vel Tech Rangarajan Dr.Sagunthala R & D Institute of Science and Technology, (Deemed to be University), Chennai, Tamilnadu.

(Sponsored by Ministry of Electronics and Information Technology (MeitY), GOI)



Preamble:

"Electronics & ICT Academy" was set up at NIT Warangal with financial assistance from MeitY, GoI. The jurisdiction of this academy is Telangana, Andhra Pradesh, Karnataka, Goa, Puducherry and Andaman & Nicobar Islands. This academy role is to offer faculty development programmes in standardized courses and emerging areas of Electronics, Information Communication Technologies, training & consultancy services for Industry, Curriculum development for Industry, CEP for working professionals, Advice and support for technical incubation and entrepreneurial activities.

About the FDP:

The Faculty Development Programme will help to disseminate the knowledge in the domain of data science and Machine learning. It empowers the participants to understand how data science can be used to innovate and improve the business process. Machine Learning is a fast-growing field of Artificial Intelligence concerned with the study and design of computer algorithms for learning good representations of data, at multiple levels of abstraction. Since data is overwhelming, organizations are struggling to extract the powerful insights they need to make smarter business decisions. The participants will be trained with hands-on approach in order to have an in-depth insight into the domain of Data Sciences and expose them to Feasibility & future scope

Major Course Contents:

- Introduction to Data Science
- Recommendation Systems
- Introduction to R Language and Statistical Analysis using R
- Introduction to Python
- Analyzing Social Network Graphs
- Data Acquisition and Data Science Life Cycle
- Data Visualization
- Introduction to Machine Learning
- Unsupervised Learning Methods
- Supervised Learning Methods
- Linear Regression: Simple and multiple linear regressions
- Optimization methods
- Feature Selection Methods
- Dimensionality Reduction Methods (PCA)
- Hands on sessions on Unsupervised and Supervised Methods
- Supervised Learning Methods on Real Time Applications
- Support Vector Machines and Neural Networks
- Medical Data Analysis

Faculty conducting this programme:

The programme will be conducted in online mode by the faculty members from NIT Warangal; Academicians in the concerned field from IITs/NITs/IIITs are invited to deliver lectures in the programme. Speakers from industries are also expected to deliver as part of the course.

Eligibility:

The programme is open to faculty of Engineering Colleges, MCA Colleges and other allied disciplines in India. Industry personnel working in the concerned /allied discipline can also attend.

Registration Fee Particulars:

Faculty and Research Scholars	Rs. 750/-
Industry Participants	Rs. 2250/-

The fee is to be paid either in the form of DDs or online transfer using the following details:

Online Transfer Details
Account Name: Electronics & ICT Academy NITW
Account No: 62423775910
IFSC: SBIN0020149
Bank and Branch: State Bank of India, NIT(REC) Warangal

How to apply:

Participants are required to fill the online registration form by clicking on the following link:

<https://forms.gle/vVVBPCNPPGCrBLJ39>

Selection Criteria:

Selection will be done based on first-come-first-serve basis to a maximum number of 100. Additionally 10 participants from industry are allowed to participate. The list of selected participants will be intimated through e-mail. In case a candidate is not selected, the DD will be sent back. Candidates will be issued satisfactory certificates on successful completion of the course. Reservations are followed for selecting candidates as per GOI norms.

Important dates:

Last date (Application & DD)	29.12.2020
Selection List by E- mail	31.12.2020
FDP Duration	02 nd -11 th January, 2021

About 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 Vel Tech:

Vel Tech Rangarajan Dr.Sagunthala R&D Institute of Science and Technology (Deemed to be University) is offering various programmes in Engineering, Management, Media and Law. The Institution has made distinctive progress since the founding in 1997, by adopting the unique and trending educational methodologies. Vel Tech is ranked by MHRD in NIRF for continuous three years with the Rankings of 77, 86 and 95, Institution is accredited by NAAC with 'A' Grade and the programmes are accredited by National Board of accreditation. Vel Tech has been recognised as the Best Engineering Institution and ranked as First in India and 74th in the world by Times Higher Education World Young University Ranking 2016-2017 and 43rd in Asia by Times Higher Education Asia University Ranking 2017. The TBI (Technology Business Incubator) of Vel Tech is recognized as the Centre of Excellence under NIDHI of the Government of India. Institution is ranked 5th place in ARIIA 2019. Vel Tech is the first member from India to adopt Conceive-Design-Implement-Operate (CDIO), CDIO is a worldwide framework which aims to produce the next generation engineers. The CDIO based academic process undoubtedly generates knowledgeable up-skilled graduates with a professional attitude who are industry ready.



APPLICATION FORM

DATA SCIENCE

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1. Name :
2. Designation:
3. Institution :
4. Email :
5. MobileNo :
- 6.

Reference No:
Amount:
Bank :
Date:

7. Address for Correspondence:
8. Educational Qualification:
9. Subjects taught so far:
10. No. of refresher courses/workshops attended:
11. Experience(in years):
Teaching: Research: Industry:
12. Do you belong to SC ST

Declaration

The information provided is true to the best of my knowledge. If selected, I agree to abide by the rules and regulations of the FDP and shall attend the course for the entire duration. I also undertake the responsibility to inform the Coordinator in case, I am unable to attend the course.

Date

Signature of the Applicant:

SPONSORSHIP CERTIFICATE

Dr. /Mr. /Ms. is an employee of our Institute/Organization and is hereby sponsored to participate in the FDP on “**Data Science**”, sponsored by Electronics & ICT Academy during **02nd – 11th January, 2021.**

Signature of Head of Institution
(with seal)

Address for correspondence

Dr. M. KAVITHA,
Professor, Dept. of CSE
Vel Tech Rangarajan Dr. Sagunthala
R & D Institute of Science and
Technology, Avadi, Chennai – 600062
Tamilnadu, INDIA

It is requested to all the delegates, after completion of application form, all the payment details, screenshot of the payment and scanned application form has to be uploaded in the following online registration link.

Registration Link:

<https://forms.gle/yVVBPcNPPGCrBLJ39>

For more details about Electronics & ICT Academy, NIT, Warangal, please visit:

<https://nitw.ac.in/eict>

For more enquiries please contact:

Mobile: Dr. M. Kavitha -9894019619

*Email: kavitha@veltech.edu.in
fdp.eict@gmail.com*

Coordinators

Dr. M. Srinivas
Ph.D.(IITH), Post-Doc(Academia Sinica,
Taiwan and ETS, Canada)
Assistant Professor,
Computer Science and Engineering
NATIONAL INSTITUTE OF TECHNOLOGY
WARANGAL – 506 004 (TelanganaState)
Email: msv@nitw.ac.in
Ph. No: 08897064421

Dr. M. Kavitha
Professor
Computer Science & Engineering
Vel Tech Rangarajan Dr.Sagunthala R & D
Institute of Science and Technology, Avadi,
Chennai – 600062
Tamilnadu, INDIA