



ONLINE FACULTY DEVELOPMENT PROGRAMME (FDP) ON Data Science and It's Applications

(9th May – 18th May 2022)

Organised by

Electronics & ICT Academy, NIT Warangal

in association with

Chalapathi Institute of Engineering and Technology, Guntur

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



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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's 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. Data Science 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
- ❖ Data Acquisition and Data Science Life Cycle, Data Visualization
- ❖ Introduction to Machine Learning
- ❖ Unsupervised Learning Methods, K-Means
- ❖ 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
- ❖ Meta Heuristic Approaches
- ❖ Ensemble Methods and Matrix Vectorization
- ❖ Real Time Applications

Faculty conducting this programme:

The programme will be conducted 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.

Registration Fee Particulars:

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

Participants need to pay the Registration Fee Online 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/pBVsvxuKU8SrcGLD7>

Selection Criteria:

Selection will be done based on first-come-first-serve basis to a maximum number of 60 (sixty). 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)	7.05.2022
Selection List by E- mail	8.05.2022
Duration	9.05.2022 to 18.05.2022

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 programmes in various specializations. All B. Tech and M. Tech programmes of NIT Warangal are NBA accredited.

About CIET:

CHALAPATHI INSTITUTE OF ENGINEERING AND TECHNOLOGY was established by Chalapathi Educational Society in the year 2007 with the aim of imparting quality technical education. The institute is situated in a sprawling lush green spacious campus at Chalapathi Nagar, Lam just 5 km from the heart of Guntur city on the highway to Amaravathi, the capital city of Andhra Pradesh.

It is an Autonomous Institute. It has been accredited by NBA, NAAC with 'A' Grade, UGC 2(f) and certified an ISO 9001:2015. The college is affiliated to Acharya Nagarjuna University and recognized by ALL INDIA COUNCIL FOR TECHNICAL EDUCATION (AICTE), New Delhi.

The commencement of the department of CSE was in 2007-08 and had successfully integrated the years of excellence and still incomparable. The department is accredited by NBA. Department of CSE has an association named CSE TECHWINGS which works for the overall growth of the students. The department also has CSI Student Chapter.



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SPONSORSHIP CERTIFICATE

1. Name :

2. Designation :

3. Institution :

4. Email :

5. Mobile No. :

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 : YES /NO

(If yes, please specify and attach a copy of caste certificate to claim the concession)

Dr. /Mr. /Ms. is an employee of our Institute/Organization and is hereby sponsored to participate in the FDP on "Data Science and It's Applications", sponsored by Electronics & ICT Academy during 9th May - 18th May, 2022 at Chalapathi Institute of Engineering and Technology, Guntur.

Signature of Head of Institution
(with seal)

Address for correspondence

Post your application form to :

Dr.K.Kiran Kumar

Vice Principal & HOD

Department of CSE

Chalapathi Institute of Engineering and Technology,
Guntur, AP, INDIA-522034.

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.

<https://forms.gle/pBVsvxuKU8SrcGLD7>

Registration Link:

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

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

For more enquiries please contact:

Dr.K Kiran Kumar,

Department of CSE,

**Chalapathi Institute of Engineering and Technology,
Guntur, AP-522034.**

Mobile: 9966716000

Email: komineni.kiran11@gmail.com

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

Coordinators

Dr. M. Srinivas

Ph.D. (IITH), Post-Doc (Academia Sinica, Taiwan and ETS, Canada)

Computer Science and Engineering

NATIONAL INSTITUTE OF TECHNOLOGY

WARANGAL - 506 004 (Telangana State)

Email: msv@nitw.ac.in

Ph. No: 08897064421

Dr.K.Kiran Kumar

Vice Principal & HOD

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