ONLINE FACULTY DEVELOPMENT PROGRAMME(FDP)
ON
Data Science and Machine Learning
(20th October – 30th October 2021)
Organised byElectronics & ICT Academy, NIT, Warangal
in association with
Department of Computer Science and Information Technology
Maulana Azad National Urdu University, Hyderabad
Under the scheme of Electronics & ICT Academy
(Sponsored by Ministry of Electronics and Information Technology (MeitY), GoI)
Under the Patronship of Prof. Syed Ainul Hasan, Honourable Vice-Chancellor, MANUU

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.

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 Lang. and Statistical Analysis in R
❖ Introduction to Python
❖ Analyzing Social Network Graphs
❖ Data Acquisition, 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.
❖ SLM Methods on Real Time Applications.
❖ Support Vector Machines and Neural Networks
❖ Medical Data Analysis

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/rvbaRJY6mD4i6EVb8

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)	18.10.2021
Selection List by E- mail	19.10.2021
Duration	20.10.2021 to 30.10.2021

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

About MANUU:

Maulana Azad National Urdu University (MANUU) is a Central University established by an Act of Parliament in 1998. The headquarter and main campus of MANUU is located in Gachibowli, Hyderabad, Telangana State. The University is named after Maulana Abul Kalam Azad, the freedom fighter and outstanding scholar, who envisioned and laid the foundation of technical, scientific and higher education in India. The objects of MANUU are:

❖ To promote and develop the Urdu Language to impart education and training in vocational and technical subjects through the medium of Urdu.
❖ To provide wider access to people desirous of pursuing programmes of higher education and training in Urdu medium through teaching on the campus as well as at a distance, and
❖ To provide focus on women education. MANUU started offering its educational programmes from the year 1998 through distance mode of education, and from 2004 through campus mode.

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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)

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 and Machine Learning"**, sponsored by **Electronics & ICT Academy** during **20th October – 30th October, 2021** at Maulana Azad National Urdu University, Hyderabad.

Signature of Head of Institution
(with seal)

Address for correspondence

Post your application form
Dr. Bonthu Kotaiah, Assistant Professor,
Department of CS & IT
Maulana Azad National Urdu University,
Hyderabad, Telangana, INDIA-500032.
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:

For more details about Electronics & ICT Academy, NIT, Warangal, please visit:
https://nitw.ac.in/eict

For more enquiries please contact:

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Email:kotaiah.bonthu@manuu.edu.in
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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)
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Ph. No: 09666995969

Co-Chair : Dr. Syed Imtiyaz Hasan,
Assoc. Prof. & Head, Dept. of CS & IT, MANUU
Chairman : Prof. Abdul Wahid, Dean, School
of Technology, MANUU