ONLINE FACULTY DEVELOPMENT PROGRAMME (FDP)
ON
Machine Learning, Artificial Intelligence and its Applications
(4th July 2022 – 14th July, 2022)
Organised by
Electronics & ICT Academy, NIT Warangal
in association with
Shri Ramdeobaba College of Engineering and Management, Nagpur
(Sponsored by Ministry of Electronics and Information Technology (MeitY), GOI)

RCOEM
Shri Ramdeobaba College of
Engineering and Management, Nagpur

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:

Technology plays a major role in day-to-day life activities. To drive a huge attention of consumer, companies are relying on advance algorithms to make things easier. Artificialintelligence and Machine learning are the major technologies in recent scenario. The advancements in Machine Learning create an exemplary rise in technological industry. The Artificial Intelligence goes ahead in developing a more intelligent computer system that adapts, evolves and learns. This has tremendous application in industry, defense, healthcare, agriculture and many other areas. This FDP will be a platform in gaining knowledge in Artificial Intelligence & Machine Learning applications in Electronics and communication engineering field.

Major Course Contents:

- Introduction to AI & ML and its applications in real world.
- Introduction to Python (Hands-on)
- Linear Regression
- Polynomial Regression
- Logistic Regression along with data preprocessing and feature analysis (Hands-on)
- Exploratory data analysis with Seaborn, SVM, K means clustering (Hands-on)
- Introduction to Deep learning methods and applications, CNN, RNN
- Neural networks and practical implementation
- Sentimental analysis, Dialogue systems (Hands-on)
- Reinforcement Learning, Optimization and Data driven Methods
- GAN
- Applications
  - ➢ *Signal Processing*
  - ➢ *VLSI*
  - ➢ *Communications*
  - ➢ *Embedded Systems*

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/guzBxUocauaNKdK78

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)	**June 24, 2022**
Selection List by E- mail	**June 30, 2022**
Duration	**4 th July to 14th July 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 RCOEM, Nagpur

Shri Ramdeobaba College of Engineering and Management (RCOEM), Nagpur was established in 1984. An autonomous institution affiliated to Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur. Institute is NAAC accredited with "A⁺" grade, NIRF rank 119th in 2021 in Engineering Category, ISO 9001:2015 certified and programs are NBA accredited. Institute offers 12 undergraduate,10 postgraduate and doctoral programmes.

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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

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 **"Machine Learning, Artificial Intelligence and its Applications"**, sponsored by **Electronics & ICT Academy** during **4th July -14 th July ,2022** at Shri Ramdeobaba College of Engineering and Management, Nagpur.

Signature of Head of Institution
(with seal)

Address for correspondence
Dr. D. M. Kotambkar
Assistant Professor
Dept. of Electronics Engineering,
RCOEM Nagpur, Maharashtra, India-440013.
Mobile: 9881713176
Email: shelkedt@rknec.edu

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/guzBxUocauaNKdK78
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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