

ONLINE FACULTY DEVELOPMENT PROGRAMME (FDP)

On

ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING FOR REAL TIME APPLICATIONS (23rd January to 01st February 2023)

Organized by

E&ICT Academy, ECE Department, NIT Warangal and
NRI Institute of Technology, Pothavarappadu, Eluru (Dt.), A.P.
(Autonomous)

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 (FDPs) in standardized courses and emerging areas of electronics, information communication technologies, training and consultancy services for Industry, curriculum development for Industry, CEP for working professionals, advice and support for technical incubation and entrepreneurial activities.

This Online FDP is devoted to address the need to enhance the knowledge about the latest development pertaining to **Artificial Intelligence (AI), Machine learning** is being conducted at **Department of ECE, NRI Institute of Technology, Pothavarappadu**. The whole course is handled by academicians and industry experts.

Major Course Contents:

- Introduction to AI and ML
- Basic challenges and opportunities in AI, ML and DL
- Linear Regression, Polynomial and Logistic Regression along with data pre processing and Feature analysis
- Regression, Classification(SVM,KNN,RNN &CNN) and its Applications
- Feature Extraction and Dimensionality Reduction
- Clustering Paradigm
- Optimization methods and Metaheuristic Methods
- Introduction to AI, ML tools and techniques
- Advanced Research applications in AI and ML
- Real time applications related to Medical Image Processing, Signal Processing, Embedded Systems and VLSI

Faculty conducting this programme:

The programme will be conducted by the faculty members from NRI Institute of Technology and NIT Warangal; academicians in the concerned field from IITs/NITs/IIITs/Abroad are invited to deliver lectures in the programme. Speakers from industries are also expected to deliver as part of the course.

Eligibility:

The program is open to the faculty of engineering colleges, research scholars 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/-

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

How to apply:

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

<https://forms.gle/QuG21ss5VciLXzwD7>

Selection Criteria:

Selection will be done based on first-come-first-serve basis to a maximum number of 100 (hundred). The list of selected participants will be intimated through e-mail. In case a candidate is not selected, the DD/online payment 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 for submission of Application	07 / 01 / 2023
Selection List by E- mail	16 / 01 / 2023
Duration	23 / 01 / 2023 (Monday) to 01 / 02 / 2023 (Wednesday)

About NRI Institute of Technology, Pothavarappadu

NRI Institute of Technology was established in 2008, at Pothavarappadu, 25km away from Vijayawada under the patronage of Sri Durga Malleswara Educational society with the mission to promote quality technical education, give the nation self-reliant engineers & entrepreneurs and to bridge the gap between the industry and institution. The institute is provided with excellent infrastructure, state of art labs, well stocked library, sports facilities, modern class rooms, seminar halls and other facilities. This institute is permanently affiliated to JNTUK Kakinada, accredited by NBA, NAAC with A grade, approved by AICTE, an ISO 9001:2015 certified and has been granted autonomous status by UGC. The institute is offering 10 UG programmes in engineering with 1200 intake, 6 PG programmes in ECE, CSE, EEE, ME, CE and MBA. The Institute has JNTUK Recognized R&D Centers in four departments and also has APSSDC Center to train the students on latest technologies. The institute has MOUs with reputed organizations.

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.

Coordinator(s):

Mrs. Yalamanchili Arpitha Dept. of ECE, NRI Institute of Technology, Pothavarappadu Email: arpitha@nriit.edu.in Mobile: +91-9493468888	Dr. J. Ravi Kumar Dept. of ECE, NIT Warangal Email: ravikumar@nitw.ac.in Mobile: 08332969363/ 08702462444
--	--

ONLINE FACULTY DEVELOPMENT PROGRAMME (FDP)

On

**ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING FOR REAL TIME APPLICATIONS
(23rd January to 01st February 2023)**

Organized by

**E&ICT Academy, ECE Department, NIT Warangal and
NRI Institute of Technology, Pothavarappadu, Eluru (Dt.), A.P.
(Autonomous)**

Sponsored by

Ministry of Electronics and Information Technology (MeitY), GoI.



1. Name :
2. Designation :
3. Institution :
4. Email :
5. Reference No: Bank: Date: Amount:
6. Address for Correspondence:

7. Educational Qualification:
8. Subjects taught so far:
9. No. of refresher courses/workshops attended:
10. Experience (in years): Teaching: Research: Industry:
11. 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 Online 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.

Signature of the Applicant

SPONSORSHIP CERTIFICATE

Dr. /Mr. /Ms. is an employee of our Institute/Organization and is hereby sponsored to participate in the Online FDP on “Artificial Intelligence and Machine learning for Real Time Applications”, sponsored by Electronics & ICT Academy during 23rd Jan – 01st February 2023 at NIT Warangal.

**Signature of Head of Institution
(with seal)**

Address for correspondence

Mrs. Yalamanchili Arpitha, Coordinator,
Dept. of ECE, NRI Institute of Technology, Pothavarappadu, Vijayawada,
Andhra Pradesh Pincode-521 212,
Ph No: 9493468888,
Email: nitfdp.aiml@gmail.com

Dr J. Ravi Kumar Coordinator,
Department of ECE,
NIT Warangal
ravikumar@nitw.ac.in,
08332969363/08702462444

For more details about Electronics and ICT academy please visit: <http://nitw.ac.in/eict/>

For more details about NRI Institute of Technology please visit: <http://nriit.edu.in>