



ONLINE FACULTY DEVELOPMENT PROGRAMME (FDP) ON Artificial Intelligence and Machine Learning

(21st August – 30th August 2021)

Organised by

Electronics & ICT Academy, NIT, Warangal

in association with

Department of Computer Science and Information Technology

Rajarambapu Institute of Technology, Maharashtra

(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'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:

Artificial Intelligence and machine Learning is one of the booming technologies of computer science which is ready to create a new revolution in the world by making intelligent machines. With Artificial Intelligence you do not need to preprogram a machine to do some work, despite that you can create a machine with programmed algorithms which can work with own intelligence. This Faculty Development Programme will help you to disseminate the knowledge in the domain of AI & ML. The participants will be trained with hands-on approach in order to have an in-depth insight into the domain of AI & ML and expose them to Feasibility & future scope.

Major Course Contents:

- Introduction to Artificial Intelligence, Knowledge Representation, Machine Learning, Deep Learning and Representation Learning
- Research in AI-ML and Applications
- Machine Learning with Feature Representation
- Feature Selection and Ensemble Methods
- Machine Learning Basics – Linear Regression, Perceptron's, Multilayer Perceptron's, Stochastic Gradient Descent, Backpropagation
- Basics of Python
- Decision tress, Naive Bayesian Classification
- KNN, Unsupervised Learning Methods, K-Means
- Dimensionality Reduction Methods, PCA
- Computer Vision Applications: Image Classification, Object Recognition and detection
- Recommendation systems applications
- Natural Language Processing (NLP) Applications
- Current Research – Latest Architectures, Applications and Hands on Sessions and supervised and unsupervised Learning Methods

Faculty conducting this programme:

The programme will be conducted jointly by the faculty members from NIT Warangal and RIT, Sakharale; Academicians in the concerned field from IITs/NITs and Industry experts from MNCs are invited to deliver lectures in the programme.

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/YAHojeYFyubU5DTK8>

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) | 19.08.2021 |
| Selection List by E- mail | 20.08.2021 |
| Duration | 21.08.2021 to 30.08.2021 |

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 RIT:

RIT has emerged as a leading technological Institute in Western Maharashtra through its dedicated and disciplined approach to provide quality technical education over a period of more than thirty seven years. RIT is ranked within top 250 Institutions in India and second in western Maharashtra (NIRF ranking 2020). ATAL Ranking of Institutions on Innovation Achievements (ARIIA) Band B (Rank between 26th - 50th). RIT has Ranked 43rd in Top 100 T-Schools in India 2019 Rankings & Ranked 9th in West Zone of Maharashtra as per DATAQUEST Survey 2019.



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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 “Artificial Intelligence and Machine Learning”, sponsored by Electronics & ICT Academy during 21st August – 30th August, 2021 at Rajarambapu Institute of Technology, Maharashtra.

Signature of Head of Institution
(with seal)

Address for correspondence

Pragati Sawant

Department of Computer Science and Information Technology
Rajarambapu Institute of Technology, Sakharale
Maharashtra, INDIA-415414

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/YAHOjeYFyubU5DTK8>

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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fdp.eict@gmail.com

Coordinators

Dr. M. Srinivas

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

Computer Science and Engineering

NATIONAL INSTITUTE OF TECHNOLOGY

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Pragati Sawant

M.Tech. (NITW), GATE-2011

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