



## ONLINE FACULTY DEVELOPMENT PROGRAMME (FDP)

on

### AI and Machine Learning in Biometric Recognition

(04<sup>th</sup> July – 13<sup>th</sup> July 2022)

Organized by

**Department of Electronics & Communication Engineering**

in association with

**Electronics & ICT Academy, NIT Warangal (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 FDP:

The FDP on AI and Machine Learning in Biometric Recognition aims to provide an overview of artificial intelligence and its applications in the biometrics. Many applications, such as biometrics, medical imaging processing, human language processing, and so on, utilize AI techniques. This course will cover the fundamentals of artificial intelligence (AI) with applications in biometrics. This FDP will enable participants to comprehend how artificial intelligence (AI) can be applied to meet the needs of the current situation. It will also assist participants in improving their AI expertise and capabilities. Experts cover a wide range of current subjects, providing a solid theoretical foundation as well as critical analysis and practical skills development. This FDP will give you a taste of technology and spark your curiosity in working with future technologies.

#### Major Course Contents:

- ❖ Introduction to AI and its applications in real world.
- ❖ Supervised, and Unsupervised Learning
- ❖ Classification and Regression
- ❖ K-means Clustering
- ❖ Introduction to Neural Network
- ❖ Feed Forward Neural Networks,
- ❖ Introduction to Deep Learning
- ❖ Introduction to Biometric system
- ❖ Biometric technologies
- ❖ Applications of Machine learning in Biometrics Systems.
- ❖ Case Study.

#### Faculty conducting this programme:

The programme will be conducted by the faculty members from NIT Warangal and The NORTHCAP university; Academicians in the concerned field from IITs/NITs/IIITs have been invited to deliver lectures in the programme.

#### How to apply:

A filled application form in the prescribed format duly signed and sponsored by appropriate authorities along with the proof of payment details should be **scanned and sent through e-mail to [AIMLBR.ece.nitw@gmail.com](mailto:AIMLBR.ece.nitw@gmail.com)**.

After paying the fee participants are requested to fill the

Google doc for confirmation of your interest (mandatorily) to attend this FDP:

<https://forms.gle/MfZxMxHJ1adybVVu8>

#### 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**

#### Selection Criteria:

Selection will be done based on first-come-first-serve to a maximum number of 100. The list of selected participants will be intimated through e-mail. In case the candidate is not selected, the registration amount will be refunded. Candidates will be issued certificates on successful completion of the course. Reservations are followed for selecting candidates as per GOI norms.

#### Important dates:

Last date (Application & DD)	02/07/2022
Selection List by E- mail	03/07/2022
Duration	04/07/2022 to 13/07/2022

#### 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.





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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 “**AI and Machine Learning in Biometric Recognition**”, sponsored by **Electronics & ICT Academy** during **04<sup>th</sup> July – 13<sup>th</sup> July, 2022** at NIT Warangal, Telangana.

Signature of Head of Institution  
(With seal)

#### Address for Correspondence:

**Dr. T Kishore Kumar**

Professor

Department Electronics & Communication Engineering

National Institute of Technology Warangal

Hanamkonda, Telangana, PIN: 506004

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

Interested Faculty are required to fill in the online registration form given in the

<https://forms.gle/MfZxMxHJ1adybVVu8>

#### For more enquiries please contact:

**Dr. T Kishore Kumar**

Ph No: +91-8332969353

Email: [kishorefr@gmail.com](mailto:kishorefr@gmail.com)

#### Coordinator

**Dr. T Kishore Kumar**

Professor

Department of Electronics & Communication Engineering

National Institute of Technology Warangal

Warangal – 506 004 (Telangana State).

Email: [kishorefr@gmail.com](mailto:kishorefr@gmail.com)