



# ONLINE FACULTY DEVELOPMENT PROGRAM (FDP)

ON

## Artificial Intelligence for Computer Vision and Image Processing

(06<sup>th</sup>- 18<sup>th</sup> JUN 2022)

Organized by

**E & ICT Academy, NIT Warangal**

in association with

**Kakatiya Institute of Technology and Science, Warangal -  
Telangana, India**

(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 Faculty Development Program aims at providing strong theoretical background of Artificial Intelligence and its applications in the field of Medical Image Processing. Computer vision is a field of artificial intelligence that works on enabling computers to see, identify and process images in the same way that human vision does, and then provide the appropriate output. This FDP introduces various AI & ML algorithms and research strategies to be adopted for effective & efficient processing of medical images through computer vision. This workshop allows robust collaborations between AI researchers and health practitioners to discuss on socio-technological challenges and come up with state-of-the-art technology directions in the interdisciplinary field of engineering and medicine.

### Major Course Contents:

- Introduction to Artificial intelligence and Computer Vision
- Applications of Computer Vision Techniques in Medical Image Processing
- Hands on session on Python Programming for Machine Learning
- Hands on session on Implementation of Machine Learning and Deep Learning Algorithms
- Integration of CNN and Conventional Machine Learning Classifiers
- Case Study on Emotion recognition from facial expressions
- Case study on Prediction of learning disorders using eye movements
- Case study on Prediction of Lung Diseases using Computer Vision techniques
- Applications of Artificial Intelligence in Translational Research

### Faculty conducting this programme:

The programme will be conducted by NIT Warangal and Kakatiya Institute of Technology & Science. Academicians in the concerned field from IITs/NITs/IIITs have been 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
<b>Account Name: Electronics &amp; ICT Academy NITW</b>
<b>Account No: 62423775910</b>
<b>IFSC: SBIN0020149</b>
Bank and Branch: <b>State Bank of India, NIT (REC) Warangal</b>

### How to apply:

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

<https://forms.gle/mf1YwpJHuaRH5kmT7>

### Selection Criteria:

Selection will be done based on first-come-first-serve 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 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)	03/06/2022
Selection List by E- mail	04/06/2022
Duration	06/06/2022 to 18/06/2022

### 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 Kakatiya Institute of Technology and Science:

Kakatiya Institute of Technology & Science, Warangal popularly known as KITSW, is a 41 years old institute, was established , in 1980 by Ekasila Education Society (EES), Warangal, a philanthropic society, with a primary objective of providing quality technical education. KITSW is approved by the AICTE, New Delhi and recognized by the UGC under section 2(F) and 12(B) of UGC act 1956. The UGC, New Delhi granted autonomous status in 2014 under Kakatiya University (KU), Warangal and extended autonomy for a period of 5 years from AY 2021-22 to AY 2025-26. It is accredited by NAAC with 'A' grade (CGPA: 3.21). The Government of India's NIRF-2020 placed KITSW in 197 rank.



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- Name :
- Designation :
- Institution :
- Email :
- Mobile No :
- 

Reference No:
Amount:
Bank :
Date:

- Address for Correspondence:
- Educational Qualification:
- Subjects taught so far:
- No. of refresher courses/workshops attended:
- Experience (in years):  
Teaching: Research: Industry:
- 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 for Computer Vision and Image Processing"**, sponsored by Electronics & ICT Academy during **6<sup>th</sup> - 18<sup>th</sup> Jun 2022** at Kakatiya Institute of Technology and Science Warangal.

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

**Address for correspondence**

Post your application form to

**Dr. Jothi Prabha A**

Assistant Professor

Dept. of CSE-Networks,

Kakatiya Institute of Technology and Science Warangal

Telangana - 506015, India

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/mf1YwpjHuaRH5kmT7>

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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**Coordinators**

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