



# ONLINE FACULTY DEVELOPMENT PROGRAMME (FDP) ON

## Emerging AI Technologies in Multi-Domain Computer Vision: Neuro Imaging, Motion Analysis, and Marine Imaging (20<sup>th</sup> June–29<sup>th</sup> June 2026)

Organized by

**Electronics & ICT Academy, NIT Warangal**

In Association With

Department of Electronics and Communication Engineering

**VAAGESWARI COLLEGE OF ENGINEERING (Autonomous), KARIMNAGAR, Telangana**  
(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 Programs 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:

In line with the vision of advancing intelligent technologies and digital transformation, this Faculty Development Program (FDP) on "Emerging AI Technologies in Multi-Domain Computer Vision: Neuroimaging, Motion Analysis, and Marine Imaging" is designed to equip faculty members, researchers, and industry professionals with the knowledge, tools, and research insights required to stay ahead in the rapidly evolving field of Artificial Intelligence and Computer Vision. The FDP will focus on interdisciplinary innovations driving the next generation of intelligent imaging and vision-based technologies. The program will provide in-depth exposure to AI-powered neuroimaging techniques for medical diagnosis and brain image interpretation, motion analysis and human activity recognition using deep learning approaches, and advanced marine and underwater imaging methods for environmental monitoring and aquatic exploration. Participants will also gain valuable insights into emerging technologies such as explainable AI, intelligent vision systems, real-time image analytics, and deep neural network architectures for multi-domain applications. This FDP will feature expert lectures, technical demonstrations, and interactive sessions led by renowned academicians, researchers, and industry professionals. It will serve as a platform to strengthen participants' teaching, research, and innovation capabilities in the rapidly growing field of AI-enabled computer vision systems.

### Major Course Contents:

- Fundamentals of AI and Computer Vision
- Deep Learning for Image Processing
- Neuroimaging and Brain Image Analysis
- Medical Imaging using AI Techniques
- Motion Analysis and Activity Recognition
- Object Detection and Tracking
- Marine and Underwater Imaging
- Real-Time Vision Analytics
- Explainable AI in Vision Systems

### Faculty conducting this programme:

The faculty members from NIT Warangal will conduct the programme; 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 Fees:

<b>Faculty and Research Scholars</b>	<b>Rs.500/-</b>
<b>Industry Participants</b>	<b>Rs.2250/-</b>

Participants need to pay the Registration Fee Online using the following details

Online Transfer Details	
Account Name:	<b>Vaageswari College of Engineering</b>
Account No.:	<b>62010314640</b>
IFSC Code:	<b>SBIN0020569</b>
Bank and Branch:	<b>SBI, LMD Colony, Karimnagar</b>

### How to apply:

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

<https://forms.gle/cMimreLryknAxmW9A>

### Selection Criteria:

Selection will be done based on a 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:

<b>Last date (Application &amp; DD)</b>	<b>17.06.2026</b>
<b>Selection List by E-mail</b>	<b>19.06.2026</b>
<b>Duration</b>	<b>20.06.2026 to 29.06.2026</b>

### 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 Vaageswari College of Engineering, Karimnagar:

Established in 2005 under the Sree Vaageswari Educational Society, Vaageswari College of Engineering (VGSE) is a multidisciplinary, research-driven, and student-centric institution offering undergraduate and postgraduate programs affiliated by JNTUH Hyderabad. VGSE is committed to excellence in teaching, research, and innovation through state-of-the-art laboratories, specialized research facilities, and a AICTE IDEA Lab. The institution is accredited by NAAC with an A+ Grade, Granted UGC Autonomous Status and its EEE, ECE, and CSE programs are accredited by NBA. Department of ECE established in 2005 offers a strong blend of academic rigor and practical learning through experienced faculty, modern laboratories, hands-on training, and industry-oriented certification programs. It strives to nurture innovative and industry-ready professionals capable of contributing effectively to technology, business, and society.



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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

### SPONSORSHIP CERTIFICATE

Dr./Mr./Ms.....is an employee of our Institute/Organization and is hereby sponsored to participate in the FDP on “**Emerging AI Technologies in Multi-Domain Computer Vision: Neuroimaging Motion Analysis and Marine Imaging**”, sponsored by **Electronics & ICT Academy** during **20<sup>th</sup> June – 29<sup>th</sup> June 2026** at Vaageswari College of Engineering-Telangana

Signature of Head of Institution  
(with seal)

### Address for Correspondence

#### Dr. A. Venkata Reddy

Professor & Head, Department of ECE  
Vaageswari College of Engineering (Autonomous),  
Karimnagar - 505527, Telangana, India  
Mobile: +918121860999  
Email: [fdpecevgse2026@gmail.com](mailto:fdpecevgse2026@gmail.com)

It is requested to all the delegates, after completion of the application form, all the payment details, screenshots of the payment and scanned application form has to be uploaded in the following online registration link.

### Electronics & ICT Academy:

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

### For more enquiries, please contact:

#### Dr. K.V.Sridhar

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#### Dr. A. Venkata Reddy

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Vaageswari College of Engineering (Autonomous),  
Karimnagar - 505527, Telangana, India  
Mobile: +918121860999  
Email: [s4.hodece@gmail.com](mailto:s4.hodece@gmail.com)

### 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

## Coordinators

### Dr. K.V.Sridhar

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National Institute of Technology  
Warangal-506004(T.S.), India  
Mobile: +919849548428  
Email: [sridhar@nitw.ac.in](mailto:sridhar@nitw.ac.in)