



# ONLINE FACULTY DEVELOPMENT PROGRAMME (FDP) on

## Recent Advancement in “Deep Learning & Computer Vision (RADLCV-2025)

(30<sup>th</sup> June – 10<sup>th</sup> July 2025)

Organized by

Electronics & ICT Academy (Hub), NIT Warangal

In association with

E&ICT Academy (Spoke), NIT Raipur, Raipur – 492010, Chhattisgarh

Sponsored by

Ministry of Electronics and Information Technology (MeitY), GoI



As intelligent systems continue to evolve, **Deep Learning (DL)** and **Computer Vision (CV)** have emerged as two of the most transformative technologies in modern AI applications. From autonomous vehicles and medical imaging to surveillance, these technologies are redefining the way machines perceive and interpret the world.

The FDP on **Recent Advancements in Deep Learning & Computer Vision (RADLCV – 2025)** aims to emphasize on cutting-edge topics such as Vision Transformers (ViT), Generative AI, Explainable AI (XAI), and Self-Supervised Learning and equip the participants with a deep understanding of both theoretical foundations and real-world applications through **expert lectures, hands-on sessions, and practical demonstrations**. This FDP will empower faculties, researchers, and professionals to build next-generation intelligent systems capable of complex visual understanding and autonomous decision-making. The FDP will also highlight how, integration of DL and CV into various domains can boost innovation and solve real-world problems with greater efficiency and intelligence.

### Major Course Content:

- Fundamentals Concepts of Deep Learning & Computer Vision
- Fundamental concepts of neural networks, DNN, CNN, RNN, Autoencoder, LSTM, GRU, GAN and their architecture, and applications
- Advanced Deep Learning Techniques such as AlexNet, VGGNet, ResNet, and Inception with their application in CV
- Applications of Computer Vision in Real-World Domain
- Emerging Trends in Computer Vision
- *Hands-on experiments of all DL techniques with real-world datasets*

### Faculty conducting this Programme:

The program will be conducted by the faculty members from NIT Raipur, Industry Experts and Academicians in the field concerned from IITs/NITs/IIITs are invited to deliver lectures in the program. Speakers from industries as well as foreign universities are also expected to deliver as part of the course.

### Fee Particulars

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

Faculty	Rs.500/-
Industry Participants	Rs.2250/-

### 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://tinyurl.com/3a42yatp>

### Selection Criteria:

Selection will be made on a first-come-first-serve basis to a preferable maximum number of **50** (fifty). Candidates will be given satisfactory certificates on successful completion of the course.

### Important Dates:

Last date (Application)	23.06.2025
Selection List by E- mail	25.06.2025
Duration	30.06.2025 to 10.07.2025

### About NIT Warangal

National Institute of Technology, Warangal, is the first among 17 RECs set up as a 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 B.Tech degrees in various branches of engineering, M.Tech., and Ph.D. programs in various specializations. All B. Tech and M. Tech programs of NIT Warangal are NBA accredited.

### About NIT Raipur:

National Institute of Technology (NIT) Raipur, formerly known as Government Engineering College (GEC) Raipur was established in 1956. The institute has established its unique identity for the development of high-quality human and knowledge resources. It was declared as ‘National Institute of Technology’ by the Government of India on 1st December 2005 and then an ‘Institute of National Importance’ in May 2007 vide the National Institute of Technology Act 2007. NIT Raipur now offers 12 UG and 16 PG programs. In addition to the UG and PG programs, NIT Raipur also offers Ph.D.in 18 disciplines of science and technology. For details about the institute please visit us at [www.nitr.ac.in](http://www.nitr.ac.in)

### Coordinators

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