



# FACULTY DEVELOPMENT PROGRAMME (Hybrid) On Emerging Technologies with a Practical Approach: Cybersecurity and AI/ML

(26<sup>th</sup> May – 30<sup>th</sup> May 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



In today's rapidly evolving digital landscape, emerging technologies like Cybersecurity and Artificial Intelligence / Machine Learning (AI/ML) play a crucial role in shaping industries and securing data. This workshop aims to provide a practical, hands-on approach for understanding these technologies, bridging the gap between theoretical knowledge and real-world applications. Participants will explore key Cybersecurity principles to protect against modern threats and delve into AI/ML concepts to understand how intelligent systems are built and deployed. Whether you're a beginner or looking to enhance your skills, this workshop will equip you with the tools needed to thrive in the tech-driven future.

## Major course content

- Foundations of Cybersecurity and Artificial Intelligence
- Secure Communication and Advanced Cryptographic Techniques
- Image based Techniques and Attack Analysis for Cybersecurity
- Intrusion based Techniques for Attack Mitigation

## Faculty conducting this programme

The program will be conducted by the faculty members from NIT Warangal, NIT Raipur; Academicians in the concerned field from IITs/NITs/IIITs are invited to deliver lectures in the program. Speakers from industries 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. 1000/-
Industry Participants	Rs. 3000/-

## 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/mNoCt7ks9dD5tFZ47>

## Selection Criteria:

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

## Important Dates

Last date (Application)	13.05.2025
Selection List by E-mail	19.05.2025
Duration	26.05.2025 to 30.05.2025

## 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)

## About the Department

The Department of Electronics and Communication Engineering was started in the year 1985 and it offers undergraduate, post-graduate and Ph.D. programs. The department has well-equipped laboratories including the Communications lab, microwave lab, 5G Lab, DSP lab, computer vision lab, VLSI and micro-electronics Lab, Embedded systems lab to enable the students and the scholars to pursue research in house.

## Coordinators

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