National Institute of Technology Raipur

Department of Information Technology

One-Week Short Term Training Program (STTP) ***(Hybrid-mode)***

on

"AI for Cyber Security: A Practical Approach"

7th Dec - 11th Dec, 2026

About Course

Objectives of STTP: The main objective of the course is to help the participants in developing a solid understanding of the Intelligent Cyber threat detection, Analysis and Defense for IoT-based critical infrastructure. In addition fundamental of machine and deep learning techniques and its application in threat data analytics etc.,

About NIT Raipur

National Institute of Technology Raipur (An Autonomous institute of National Importance) fully funded by the Govt. of India. NIT Raipur is located in Raipur, the Capital City of Chhattisgarh State and spread over an area of approx. 100 acres. NIT Raipur is ranked 70th in engineering category in India by the NIRF, and it is the highest ranked engineering college in Chhattisgarh. Presently NIT Raipur offers 12 undergraduate, 14 Postgraduate (including M.Sc., M.C.A and M.Tech. in Applied Geology) and 18 Ph.D. programs. The institute offers facilities for research and also undertakes R & D activities, provides testing, consultancy and other extension services including continuing education to the industry through the Industry Institute Interaction cell and the placement of the student through the Department of Training & Placement. More details about NIT Raipur are at: **http://www.nitrr.ac.in.**

Features of Course

- Detailed explanation of fundamental concept of AI techniques such machine and deep learning techniques with its application in Cyber Threat Analysis and analytics along with hands-on sessions and live demos.

Eligibility for Participation

- UG/PG graduated/pursuing (final/pre-final year) students
- Ph.D. Scholars from higher education institutions
- Faculties / Staffs / Lab Instructors from technical and academic institutions
- Govt. Employees or Industry/working professionals

For Online Registration

Use the following google form

https://forms.gle/yqm8f4kgEnahwRaRA

OR ***Scan QR for Registration***

Learning Outcomes

Upon successful completion of this Training Program, the participant will be able to:

- Understand Fundamental of AI/ML/DL concepts.
- Identify appropriate methods for data analysis in cyber security domains.
- Formulate and design cyber security data analytic solutions.
- Understands about challenges in cybersecurity solutions for IoT-enabled critical infrastructure
- Understands AI-based APT threat detection for IoT-enabled critical infrastructure
- Understand Advanced Persistent Threat (APT) attacks
- Perform ML/DL –based APT attacks detection
- Understand Malware fundamentals
- Perform malware analysis using ML/DL techniques
- Evaluate APT detection effectiveness
- Accelerate progress into related Research and Development in ML/DL and Big Data.
- Develop independent research skills

Important Dates

Registration Last Date:	**25th Nov 2026**
List of shortlisted Candidates:	**30th Nov 2026**
Course Start Date:	**7th Dec 2026**
Course End Date:	**11th Dec 2026**

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Chief Patron

Prof. N.V. Ramana Rao, Director, NIT Raipur

Patron

Prof. G. P. Mishra, Dean (R&C), NIT, Raipur

Convenor

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Dept. of Information Technology, NIT Raipur

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Dept. of Information Technology, NIT Raipur

Speakers

Subject experts of the course may be from renowned institutes like NITs, IIIT,IIT and Industries.

Account Details

Account No.	**:**	**38027633250**
Bank Name	**:**	**State Bank of India**
Bank Branch	**:**	**NIT Branch**
IFSC Code	**:**	**SBIN0002852**
MICR Code	:	492002004
Swift Code	:	SBININBB646
PAN Card Number	:	AAAJN0643G
GSTIN Number	:	22AAAJN0643G1ZN

OR

Scan the QR Code for fee payment

Note: Applicants must upload the proof of fee payment via Google Form. Please note that the registration fee is non-refundable.

Fee Details

	Category	Fee (Rupees)
Course Fee	Students (UG/PG/ PhD)	(₹ 500 + 18% GST) = **₹ 590 /-**
	Faculty/ Industry Persons	(₹ 500 + 18% GST) = **₹ 590 /-**

Registration Process

The payment must be done through ONLINE mode in the given account details. After payment, participant is required to fill the following Google form:

Click Google Form - https://forms.gle/yqm8f4kgEnahwRaRA

Or

Scan Google Form for STTP Registration