

# Online Summer Training Program

on

## Ethical Hacking and Cyber Security

19 August- 01 September, 2020

under the aegis of

Electronics & ICT Academy

IIT Roorkee



Supported by

Ministry of Electronics & Information Technology



Government of India

Experts from Academia/Industry

Prof. P. Sateesh Kumar, IIT Roorkee

Prof. Sandeep Shukla, IIT Kanpur

Mr. Shubham Gautam, Founder, 3dayhack

Mr. Ankit Giri, Tavisca

Mr. Devjeet Singh, Diginique TechLabs

Principal Investigator

Prof. Sanjeev Manhas, IIT Roorkee

Certificates to participants by E&ICT

Academy IIT Roorkee



Class will be delivered through online platform

### Why Ethical Hacking and Cyber Security?

Ethical hacking is the process of testing and validating an Information Technology (IT) system to determine its weaknesses and assess its vulnerabilities. Businesses and government organisations hire cybersecurity professionals to break past their online security systems so that they can recommend measures that help prevent data theft and fraud. Also known as penetration testers or information security analysts, ethical hackers identify potential threats and help mitigate the risk of a real cyber attack.

### Objective of the course

- Provide knowledge about finding vulnerabilities.
- Demonstrating methods used by cybercriminals.
- Helping prepare for a cyber attack.
- Real-time monitoring and analysis of data breach.
- Developing encrypted and secured online system.
- Make organizations ready for unpredicted online threats.
- Project: work on Real time finding vulnerabilities in websites and security testing

### Program Features

- 40 hrs of live instructor-led classes
- Lectures from IIT Roorkee, Hands-on from industry experts
- Career guidance sessions from the experts
- Session on incubation and entrepreneurship
- Expert talks from 3dayhack & Tavisca
- 3 hrs of doubt clearing sessions on weekend
- Access to learning material and video lectures
- Certificates by E&ICT Academy IIT Roorkee

### Focus Areas

- Introduction and bug bounty hunting, Fundamentals and Basic Terminology
- Web Application Technologies, Burp Suite Manual Testing Tool
- Scanner and Security Tools, Information Gathering and SQL Injection
- System Hacking and its Security, Social Sites Hacking and Security
- Website and Web Server Hacking and Security, Configuration and Deploy Management Testing

### Prerequisites

- There is no prerequisite to attend this course.

### Registration Link

<https://tinyurl.com/y5y95fcy>

### Registration Fee

Fees: ₹ 8000/participant, non refundable (Applicable for all)

Note: Refund will be done in case of course cancellation only, with in 20 working days

### How to make payment

<https://eict.iitr.ac.in/Paymentdetails.html>

Conference Code: EICTIITR-SUM-05

### Course Coordinators

- Prof. P. Sateesh Kumar, CSE Department, IIT Roorkee
- Prof. Sanjeev Manhas, IIT Roorkee ECE Department IIT Roorkee

### Reach Us:

- Ph.: +91-7409146082, +91-9149130233
- Email: [eict@iitr.ac.in](mailto:eict@iitr.ac.in), [eictiitr@gmail.com](mailto:eictiitr@gmail.com)