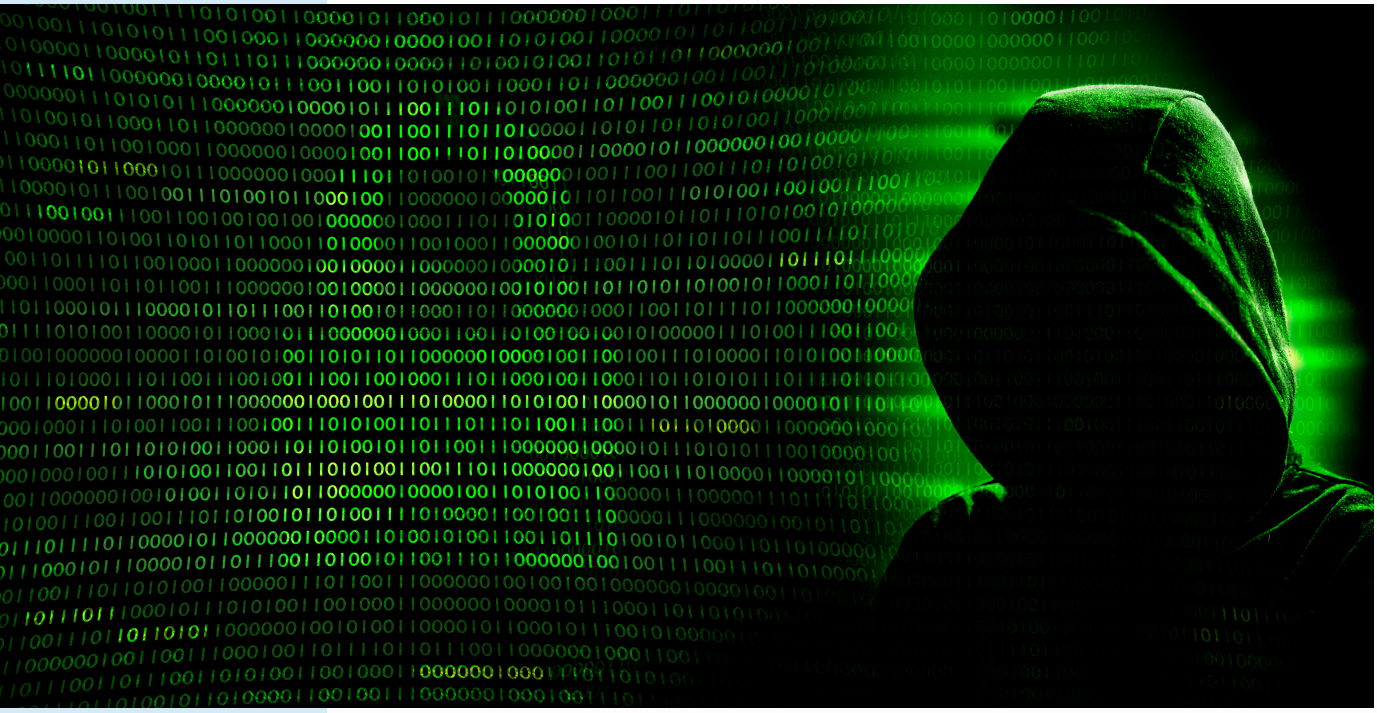
R-TECH MASTER'S PROGRAM IN CYBER SECURITY

R-TECH TECHINCAL INSTITUTE

1 CEH v.11: Certified Ethical Hacking Version 11.



CEH stands for Certified Ethical Hacker, and it is arguably the best known of all the available R-Tech certifications. It was designed to indicate that the holder understands how to look for weaknesses and vulnerabilities in computer systems and is proficient with the tools used by a malicious hacker.

COURSE CONTENT:

- MODULE 01 – INTRODUCTION
- MODULE 02 – FOOTPRINTING AND RECONNAISSANCE
- MODULE 03 – SCANNING NETWORKS
- MODULE 04 – ENUMERATION
- MODULE 05 – VULNERABILITY ANALYSIS
- MODULE 06 – SYSTEM HACKING
- MODULE 07 – MALWARE THREATS
- MODULE 08 – SNIFFING
- MODULE 09 – SOCIAL ENGINEERING
- MODULE 10 – DENIAL – OF – SERVICE

COURSE CONTENT:

- MODULE 11 – SESSION HIJACKING
- MODULE 12 – EVADING IDS, FIREWALLS, AND HONEYPOTS
- MODULE 13 – HACKING WEBSERVERS
- MODULE 14 – HACKING WEB APPLICATIONS
- MODULE 15 – HACKING WIRELESS NETWORKS
- MODULE 16 – HACKING MOBILE PLATFORMS
- MODULE 17 – SQL INJECTION
- MODULE 18 – IOT HACKING
- MODULE 19 – CLOUD COMPUTING
- MODULE 20 - CRYPTOGRAPHY

2 CERTIFIED BUG BOUNTY PROFESSIONAL

COURSE CONTENT:

- MODULE 01 – INTRODUCTION
- MODULE 02 – ENGAGEMENT WITH HTTP AND CLIENT SERVER ARCHITECTURE
- MODULE 03 – BASICS OF BUG HUNTING
- MODULE 04 – BURP SUITE
- MODULE 05 – WEBSITE HACKING USING FILE UPLOAD VULNERABILITY
- MODULE 06 – WEBSITE HACKING USING SQL INJECTION VULNERABILITY
- MODULE 07 – CROSS SITE SCRIPTING VULNERABILITY
- MODULE 08 – COMMAND EXECUTION VULNERABILITY
- MODULE 09 – MISSING SPF RECORDS
- MODULE 10 – CROSS SITE REQUEST FORGERY [CSRF]

BONUS CONTENT:

- WEB SECURITY AUDIT BASICS
- BUG BOUNTY HUNTING PLATFORMS
- AUTOMATING THE BUG BOUNTY PROCESS
- IMPORTANT COMMUNITY
- COMPLETE BUG BOUNTY CHEAT SHEET

3 CERTIFIED PENETRATION TESTING PROFESSIONAL

COURSE CONTENT:

- MODULE 01 – INTRODUCTION
- MODULE 02 – PENETRATION TESTING SCOPING AND ENGAGEMENT
- MODULE 03 – OPEN-SOURCE INTELLIGENCE (OSINT)
- MODULE 04 – SOCIAL ENGINEERING PENETRATION TESTING
- MODULE 05 – NETWORK PENETRATION TESTING – EXTERNAL
- MODULE 06 – NETWORK PENETRATION TESTING – INTERNAL
- MODULE 07 – NETWORK PENETRATION TESTING – PERIMETER DEVICES
- MODULE 08 – WEB APPLICATION PENETRATION TESTING
- MODULE 09 – WIRELESS PENETRATION TESTING
- MODULE 10 – IOT PENETRATION TESTING
- MODULE 11 – OT/SCADA PENETRATION TESTING
- MODULE 12 – CLOUD PENETRATION TESTING
- MODULE 13 – BINARY ANALYSIS AND EXPLOITATION
- MODULE 14 – REPORT WRITING AND POST TESTING ACTION

4 CERTIFIED FORENSICS & CYBER CRIME INVESTIGATION PROFESSIONAL

COURSE CONTENT:

- MODULE 01 – ORIENTATION CALL
- MODULE 02 – REQUIREMENT
- MODULE 03 – INEVITABILITY DURING COMPUTER FORENSICS INVESTIGATION LEGAL ISSUES
- MODULE 04 – IMAGING ACQUISITION OF OPERATING SYSTEM
- MODULE 05 – COMPUTER FORENSICS LAB SETUP
- MODULE 06 – DIGITAL FORENSICS INVESTIGATION ANALYSIS OF ACQUIRED IMAGE
- MODULE 07 – BROWSER FORENSICS
- MODULE 08 – MULTIMEDIA FORENSICS
- MODULE 09 – PICTURE ANALYSIS WITH GHIRO
- MODULE 10 – TRACKING RAM DUMP & VOLATILE MEMORY ANALYSIS
- MODULE 11 – ANTI FORENSICS TECHNIQUES & DETECTION
- MODULE 12 – BONUS CYBER CRIME INVESTIGATION
- MODULE 13 – COMPUTER FORENSICS USING AUTOPSY

5 METADATA ARCHITECTURES AND IMPLEMENTATION

COURSE CONTENT:

- MODULE 01 – INTRODUCTION
- MODULE 02 – METADATA VOCABULARIES
- MODULE 03 – METADATA VOCABULARIES ELEMENT SETS
- MODULE 04 – METADATA VOCABULARIES APPLICATION PROFILE [AP]
- MODULE 05 – METADATA RDF VOCABULARIES FOR METADATA TERMS
- MODULE 06 – METADATA DESCRIPTIONS
- MODULE 07 – METADATA DESCRIPTIONS STORAGE & EXPRESSION
- MODULE 08 – METADATA STRUCTURES AND SEMANTICS
- MODULE 09 – METADATA SCHEMAS
- MODULE 10 – METADATA SERVICES
- MODULE 11 – METADATA AS LINKED DATA
- MODULE 12 – METADATA QUALITY
- MODULE 13 – METADATA INTEROPERABILITY
- MODULE 14 – METADATA RESEARCH LANDSCAPE, ACTIVITIES, & TRENDS

BATCH INFO

FORMAT	Online, 160 Training Hours in Total
APPLICATION DEADLINE	One day before the start date of class every month
PROGRAM FEES	INR 35000/- +18% GST The program fees include tuition, access to special Videos lessons, Certificate, and ID Card Your slot is secured upon the receipt of full payment

WHO SHOULD ATTEND?

A university degree is required to attend the Master's Program in Cyber Security programs. Admission to the course is subject to application approval. The Course is best suited for:

- Medical Professionals
- Judicial Officers
- Lawyers and Law Students
- Cyber Security Professionals
- Law enforcement officers
- B.Sc (IT) students
- B.Sc (CS) students
- IT Professionals
- CA (Chartered Accountant)
- CS (Company Secretary)
- Incl. All Working Professionals

BEST REGARDS

We do hope you find the information complete. In case of any queries do call upon us. Thanking you and assuring you of our professional services always.

Speaker & Intructor:

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18+ Years Experience in Cyber Security Professional, Ethical Hacker, Cyber Law Consultant.
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Managing Director & Founder

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