



**Beyond Curriculum Training  
On  
"Ethical Hacking"**



**Date: 04/01/2021 to 15/01/2021**

Organized by  
**Narula Institute of Technology**

81, Nilgunj Road, Agarpara,  
Kolkata – 700 109

**Training Overview**

This course offers an additional value and provides the hands-on training required to master the techniques hackers use to penetrate network systems, helping the learner to fortify the system against it.

**Training Objective**

To provide the concepts of advanced hacking, including mobile device and smartphone hacking, writing virus codes, exploit writing and reverse engineering, and corporate espionage.

**Course Outcomes**

After completion of this course students will be able to

- Grasp the step-by-step methodology and tactics that hackers use to penetrate network systems.
- Understand the finer nuances of trojans, backdoors, and countermeasures.
- Get a better understanding of IDS, firewalls, honeypots, and wireless hacking.
- Learn advanced log management for information assurance and manage information security with more clarity.

**CONTACT PERSON**

**Sujata Kundu**

Contact No. – 9432232176

Email :-- [sujata.kundu@nit.ac.in](mailto:sujata.kundu@nit.ac.in)

## **Ashifuddin Mondal**

Contact No. – 9681141312

Email :-- [ashifuddin.mondal@nit.ac.in](mailto:ashifuddin.mondal@nit.ac.in)

### **Course Content**

**Module 1:** Introduction to Ethical Hacking

**Module 2:** Foot printing and Reconnaissance

**Module 3:** Scanning Networks

**Module 4:** Enumeration

**Module 5:** Vulnerability Analysis

**Module 6:** System Hacking

**Module 7:** Malware Threats

**Module 8:** Sniffing

**Module 9:** Social Engineering

**Module 10:** Denial-of-Service

**Module 11:** Session Hijacking

**Module 12:** Evading IDS, Firewalls, and Honeypots

**Module 13:** Hacking Web Servers

**Module 14:** Hacking Web Applications

**Module 15:** SQL Injection

**Module 16:** Hacking Wireless Networks

**Module 17:** Hacking Mobile Platforms

**Module 18:** IoT Hacking

**Module 19:** Cloud Computing

**Module 20:** Cryptography