

Objectives and Course Content of Short Term Course

Operational Plan No.	CSE - 16
Name of the Course	Online Safety Awareness
Objectives of Course	<ul style="list-style-type: none">• To spread awareness about various Cyber Crimes• To understand the importance of Cyber Security• To apprise of ATM Frauds and Social Engineering• To impart knowledge on various types of cryptography technique• To demonstrate tools on Android Security, Forensics & Password Cracking.• To comprehend Web Server Fingerprinting and Ransomware• To exhibit loopholes in authentication methods and respective countermeasures
Course Contents	<ul style="list-style-type: none">• Overview of Cyber Crimes• Cryptography Techniques• Symmetric Cryptography• Asymmetric Cryptography• Android Security and Forensics• Password Cracking• Web Server Fingerprinting• Ransomware• Authentication Bypass• ATM Fraud and Social Engineering• Web Penetration Testing using Open Source Tools• Website Vulnerabilities and Countermeasures• Cyber Crimes-Case Studies
Name of Course Coordinator with E-mail ID & Contact Number	<p>Dr. C. Rama Krishna phone no. 0172-2759670 email id- rkc_97@yahoo.com</p> <p>Mala Kalra phone no. 0172-2759737 email id- malakalra@nitttrchd.ac.in</p> <p>Rakesh Kumar phone no. 0172-2759787 email id- raakeshdhiman@gmail.com</p>