



S.I.W.S.

**N. R. SWAMY COLLEGE OF COMMERCE & ECONOMICS
AND
SMT. THIRUMALAI COLLEGE OF SCIENCE**

PLOT No. 337, Sewri - Wadala Estate,
Major R. Parameshwaran Marg, Wadala, Mumbai - 400 031

Short Term Certification Course on 'Cyber Security'

In Collaboration with

Institute for Design of Electrical Measuring Instruments

10th May, 2019

The Department of Computer Science in collaboration with IDEMI, Mumbai (Under Ministry of MSME, Govt of India) organized a Short Term Certification Course on 'Cyber Security' from 1st May to 9th May, 2019. The course is designed to give you a foundational look at today's cyber security landscape and provide you with the tools to evaluate and manage security protocols in information.

Objective

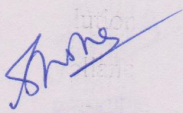
- Exhibit knowledge to secure corrupted systems, protect personal data, and secure computer networks in an Organization.
- Practice with an expertise in academics to design and implement security solutions.
- Understand key terms and concepts in Cryptography, Governance and Compliance.
- Develop cyber security strategies and policies.
- Understand principles of web security and to guarantee a secure network by monitoring and analyzing the nature of attacks through cyber/computer forensics software/tools.

Syllabus

- Cyber Ethics
- Security Fundamentals
- Offensive Security

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PRINCIPAL
S.I.W.S. N.R. Swamy College of
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- Security System Architecture
- Cyber Crime Investigation & Digital Forensics
- Sniffers & key loggers
- Social Engineering
- Email, DNS, IP spoofing
- Live demonstration of KALI, LINUX, Hacking, Phishing, Sniffing, Firewall, Networking and accessing Android devices.

Resource Person

Mr. Sourabh Patil was the Resource Person for the session who was doing Cyber Security Research as well as an Ethical Hacker. Competent and skilled IT & Web Security person. Apart from this, He has a passion and diligence for hacking, finding new bugs.

Job Opportunities

- Ethical Hacker
- Forensic Investigator
- Penetration Tester
- Intrusion Analyst
- Technical person in the area of network security

Report

The course is highly **job oriented**. Students were given live demonstrations of KALI, LINUX, Hacking, Phishing, Sniffing, Firewall, Networking and accessing Android devices. Practical demonstration of all the concepts was shown to the students.

Twenty-two students participated in the program. **They were enrolled by IDEMI for their placement cell.** Students have been given knowledge about opportunities available in this field.

Student Participation

The student's participation for the Cyber Security and Ethical Hacking course were 22



Examination Process and Passing Criteria

The students who have attended 90% of the class were eligible to appear for the exam. The Practical and Viva exam was conducted and students above 50% were considered under the Passing Criteria.

OUTCOME

- The participants were able to understand the principles of Cyber Security and their tools.
- Learner were able to understand about threats available on the internet.
- To understand criminal activities using internet.
- Learner were aware of protecting their data over the internet.

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IDEMI

Is organizing a Short term Course on, 'Cyber Security'

Cyber security principles are designed to safe guard website and web applications from attackers seeking to disrupt, delay, alter or redirect the flow of data.

Highlights of Course :

- Knowledge about all types of attacks and it's solution as well as prevention and detection of it.
- Certificate by IDEMI (A Government of India Society)
- Co-ordinating experts in the field from all over India
- Online exam and a Certificate by IDEMI (A Government of India Society)

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Course Convener

Vice Principal

Principal

