



Late Shri. Vishnu Waman Thakur Charitable Trust's  
**VIVA INSTITUTE OF TECHNOLOGY**  
(Approved by AICTE, New Delhi, DTE, Govt. of Maharashtra and Affiliated to the University of Mumbai)

**Computer Engineering Department**



## **Report on ISTE Approved One Week Workshop, on Ethical Hacking and IT Security organized by Computer Engineering Department**

Ethical hacking and ethical hacker are terms used to describe hacking performed by a company or individual to help identify potential threats on a computer or network. An ethical hacker attempts to bypass system security and search for any weak points that could be exploited by malicious hackers. This information is then used by the organization to improve the system security, in an effort to minimize or eliminate any potential attacks.

The protection of confidential information from unauthorized accesses is very important for every organization. Therefore, most organizations spend a huge amount of money securing them. But, the information security technologies need full support from the system administrators, security personnel, management and the employees in order for it to work properly. Apart from the establishment of security programs, it is important to provide IT-security awareness and training classes for employees.

Due to this reason, the workshop was organized by the Computer Engineering Department, VIVA Institute of Technology. All the speakers were provided by the Skynet Secure Solutions, Mumbai.

### **Workshop on Ethical Hacking and IT Security**

The objective of the ISTE Approved Workshop was

- Help the participants to understand and react appropriately to the real and potential information security issues.
- Make the participants aware of the information on the systems.
- Provide information on how to avoid fraud, scams, IT theft, phishing, etc.

- Reduce the number and extent of information security issues.
- Provide savings through all security awareness, educational, training activities and coordination while reducing duplicate efforts.
- Build a culture of information security competence. Also, it should motivate the participants to monitor their behavior and incorporate their information security concerns into decision making.
- Enhance the overall compliance with the company's security standards, procedures, policies and checklists.

The ISTE approved Workshop was conducted from 05<sup>th</sup> May, to 11<sup>th</sup> May, 2017 in VIVA Institute of Technology, Computer Engineering. The inauguration was attended by Principal Dr. Arun Kumar, Mr. Sachin Dedhia, Mr. Karthik Chettiar, Mr. Puneet Ojha, Mr. Suvajit Jana, Mr. Yogesh Pendeykar.

<b>Sr. No.</b>	<b>Date</b>	<b>Topics Covered</b>
1	05 <sup>th</sup> May 2017	Ethical Hacking Introduction, Basics of Hardware & networking, Basics of websites & server hosting Understanding IP & MAC addresses, Concepts of TCP/IP
2	06 <sup>th</sup> May 2017	Surveying/Gathering Data (Information Gathering) Understanding Kali Linux (Hacker's Preferred OS), Email Hacking, Security & Recovery, Passwords Cracking.
3	08 <sup>th</sup> May 2017	Ethical Hacking methods(using various tools), Protecting/Safeguarding your PC/networks, WI-FI Hacking & Security.
4	09 <sup>th</sup> May 2017	Website/Network Hacking & Security, Mobile Hacking & Security, Cyber Forensics : Data Recovery , Windows forensics
5	11 <sup>th</sup> May 2017	The Information Technology ACT, 2008, Where & how to file Cyber complains, How to do Systems Audit.

All the speakers were well received by the attendees. The attendees gave very good feedback for to all the speakers. A total of 26 participants participated in the One week ISTE approved training programme.