Department of Information Technology

Report on one day's Workshop on "Ethical Hacking"

About the workshop: Department of Information technology organized one day workshop on Ethical Hacking on 21st November 2020.

Number of Participants: 150 students (First to Final year B.Tech IT)

Experts: Mr. Praveen Singh (Founder Qseap Infotech Pvt Ltd, Mumbai) & Mr. Abhishek Kapoor (Founder IBSC Pvt Ltd, Mumbai)

Coordinators: Dr. V. J. Kadam, Prof. Sitaram More.

Benefits

For Students

- Offers great prospects in terms of building a corporate career
- Help students maintain security in one's own business
- Cost feasible for students, same training will cost 10 times more outside
- Get trained by experienced trainers having practical work experience as well
- Hands-on demonstrations of latest Hacking Techniques & Tools for their easy understanding

For College

- Recognition in India through our marketing channels
- Benefit over the competitors by having a reputation of taking initiative towards this domain
- Appreciation from students for introducing a booming technology to them

Deliverables

☑ toolkit

☑ Documents that brief the top 10 attacks and their solutions

Contents Covered:

#	Topics	Time (mins)
Orientation	Basic introduction to Hacking and Application Security.	30
	HTTP, Browser-Server Communication	60
	Cookies, session management	
	HTTPS, SSL, Secure Cookies	
Revision	Revision of points so far	
Demo	Introduction of Proxy tools	
	Basic Definition of attacks and making of threat profile to launch targeted attacks	
	Client side validation bypass	
Demo	Client side validation bypass	
	Variable manipulation attack, preventions	
Demo	Variable manipulation attack	15
	Basic SQL Injection	20
Demo	Basic SQL Injection	30
	Mitigation - Basic SQL Injection	10
Quiz 1	HTTP - till - Variable manipulation	20
Quiz 2	Basic SQL Injection	
Break – 45 Mins		
	Cross Site Scripting Attack (XSS)	30
Demo	XSS	20
	Cross Site Request Forgery Attack (CSRF)	30
Demo	CSRF Demo	
	Browser level threats - Cache, history, refresh	30
Demo	Browser Refresh	
	Non HTML files access	50
Demo	Non HTML files access	
	Bots, Captcha	
	Directory traversal	
Demo	Directory traversal	
	Redirection Flaws	
Quiz	XSS - till - Redirection Flaws	15
	Minutes	**405**
	Hours	**6:45**

Dr. V. J. Kadam
Coordinator