



**International and Industry Collaborative**

*Six Days Skill Development Program  
on*

# **ETHICAL HACKING**

**Supported by**

**IoT Alliance AICTE SPICES funded club  
and SRM IoT Centre of Excellence**



**Date**

**06<sup>th</sup> to 12<sup>th</sup>, September, 2022**

**Venue**

**TP404 & 405 (Smart Room)**

**4<sup>th</sup> Floor, Tech Park Building**

**Organized by**

Department of Networking and Communications,  
School of Computing,  
SRM Institute of Science and Technology,  
Kattankulathur - 603203

## **ABOUT THE INSTITUTION**

SRM Institute of Science and Technology (formerly known as 'SRM University') is located in an extensive sylvan campus of 380 acres skirting the National Highways (NH145), in the outskirts of Chennai. SRMIST is one of the top ranking Universities and most premier engineering destinations in India, which was established in 1985. By the Founder Chancellor, Dr. T.R.Paarivendhar. Now it is functioning in campuses located at Kattankulathur, Ramapuram Part (Vadapalani) and Rampuram in Chennai and one in Modi Nagar, Ghaziabad with over 52000 students and 3200 faculty members, offering wide range of undergraduate, postgraduate and doctoral programs in Engineering, Management, Medicine & Health Sciences, Agriculture, Law and Science & Humanities. The Institution has moved up through international alliances and collaborative initiatives to achieve global excellence. SRMIST also collaborates with various foreign Universities. Now the Institute enjoys an unsurpassed reputation in academic and corporate circles being the preferred manpower source for vision to be recognized as a world-class learning institution. SRMIST has been accorded Category I status by MHRD-UGC of Government of India and also accredited by NAAC with 'A++' Grade in the year 2018. For further information about our institution, please visit the following

**URL:** [www.srmist.edu.in](http://www.srmist.edu.in)

## **ABOUT THE DEPARTMENT**

Department of Networking and Communications under School of Computing intend to meet the expectations of the aspiring students and to add more value to the degrees offered. The Department ensures to provide quality and value-laden education for students in the traditional and contemporary areas of Cloud Computing, Computer Networks, Cyber Security, Information Technology and

Internet of Things. The programs are introduced in partnership with reputed IT companies like Amazon Web services, K7 Security, Virtusa etc. The department consists of a medley of faculty members with industrial and academic experience. The Department's keen focus is towards "networks" domain specific and specialization-based placement drives for its students. The department inculcates entrepreneurial skills in budding aspirants to pitch their innovative ideas through SRM Innovation and Incubation Center. Our International and alumni connect intrigue in bridging the gap between the trio: Academics - Industry - Research.

## **ABOUT THE PROGRAM**

Cyberspace is that space in which users share information, interact with each other, engage in discussions or social media platforms, and many other activities. A vulnerability is a weakness that can be exploited by cybercriminals to gain unauthorized access to a computer system. After exploiting a vulnerability, a cyberattack can run malicious code, install malware, and even steal sensitive data. Small to medium size organizations are especially at risk as they often do not have the proper funding, knowledge, or training to protect themselves from cyber security vulnerabilities. Ethical hacking is an authorized practice of detecting vulnerabilities in an application, system, or organization's infrastructure and bypassing system security to identify potential data breaches and threats in a network. Ethical hackers aim to investigate the system or network for weak points that malicious hackers can exploit or destroy. They can improve the security footprint to withstand attacks better or divert them. This workshop will demonstrate how technology becomes vulnerable to cybercrime and how hackers exploit technological systems. Hands-on sessions will explore the depth knowledge in Ethical Hacking.

## LEARNING OUTCOMES

Upon completion of this workshop, the participants can able to: Plan a vulnerability assessment and penetration test for a network, Execute a penetration test using standard hacking tools in an ethical manner and also report on the strengths and vulnerabilities of the tested network.

## HIGHLIGHTS OF THE PROGRAM

- Nominal Registration fees of INR 300 for a 6 day Program. This nominal amount is to ensure 100% committed participation.
- Certificates will be issued under two categories
  1. Faculty Skill Development FDP
  2. Student Skill development workshop.This is based on the guided assignments which will be unique for Faculty and Students with more emphasis on research and development for Faculty.
- Sufficient condition for certificate eligibility is 50% attendance in which Day 2 and Day 3 are compulsory.
- Possibility for Networking, collaborative research, joint projects etc.
- The participant would be comfortable to take this forward as their career or research path.

## SCHEDULE

### Day 1 (06.09.2022)

Introduction to Ethical Hacking, Penetration testing with Kali linux - Part 1

### Day 2 (07.09.2022)

Email Hacking and Tracing, Google Hacking Computer Hacking and Forensics, Trojan and Backdoors.

### Day 3 (08.09.2022)

Sniffers, Session Hijacking, Website Hacking & Security, Advanced SQL Injection

### Day 4 (09.09.2022)

Introduction to Cyber Security, Introduction to Digital Forensics, Incident Response, Forensic acquisition of devices, Forensic analysis of evidences, Demo, Case discussions

### Day 5 (10.09.2022)

Social Engineering attacks

### Day 6 (12.09.2022)

Penetration testing with Kali linux - Part 2, Hands - on Lab.

## RESOURCE PERSONS

### Mr.Geogen George

Lecturer, University of Technology and Applied Science, IBRI, Oman.

### Mr.Jagadeesan Srinivasan

Master Trainer, Zybeaks Technologies, Chennai.

### Mr.Divyesh

Delivery lead, Penetration tester, ATOS, Bangalore.

### Dr.Metilda Florance

Associate professor, Department of Networking and Communications, SRM Institute of Science and Technology.

## REGISTRATION LINK

<https://forms.gle/iszibCNqf2T37jKRA>

Last date of Registration : **05.09.2022**

\* Certificate will be provided for the participants only on attending all the sessions.

## Any queries contact

**Dr. Kayalvizhi Jayavel, 9884496212**

**Ms.G.Sujatha, 9840499674**

## Registration Fees: Rs. 300 /-

The participants are requested to do the payment through Net Banking NEFT transaction :

Bank	: City Union Bank
Branch	: Tambaram Extn, Kattankulathur
Account Name	: IT Association
Account Number	: 117001000694687
IFSC Code	: CIUB0000117

**Note:** Mention your name in Net Banking transaction comment.  
Kindly send the Net Banking transaction details to the email id:  
**fdp.ethicalhacking@gmail.com**

## CHIEF PATRONS

**Dr.T.R.Paarivendar**, Chancellor, SRMIST  
**Dr.Ravi Pachamuthu**, Pro-Chancellor (Administration), SRMIST  
**Dr.P.Sathyaranarayanan**, Pro-Chancellor (Academics), SRMIST  
**Dr.R.Shivakumar**, Vice President, SRMIST

## PATRONS

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**Dr.S.Ponnusamy**, Registrar, SRMIST  
**Dr.T.V.Gopal**, Dean (CET), SRMIST

## ADVISORY COMMITTEE

**Dr.Revathi Venkataraman**, Professor & Chairperson, School of Computing, SRMIST.  
**Dr.Annapurani Panaiyappan.K**, Professor & Head, NWC, SRMIST

## CONVENERS

**Dr. Kayalvizhi Jayavel**, Associate Professor, NWC, SRMIST  
**Ms.G.Sujatha**, Assistant Professor, NWC, SRMIST

## CO-ORDINATORS

**Dr.L.N.B.Srinivas**, Associate Professor, NWC, SRMIST  
**Dr.K.Venkatesh**, Associate Professor, NWC, SRMIST  
**Dr.K.Kalaiselvi**, Assistant Professor, NWC, SRMIST