

PG Program in Information System Security

24Weeks / 840 Hrs.

Medium of Instruction: (English)

Objective

This is a practical oriented course which provides participants with the information and lab experience necessary to evolve as a professional. This course covers core Linux and basic Information system security concepts. It provides practical approach as well as in-depth knowledge on Security related environment and packages.

- B.E./B.Tech(CS/IT/Electronics/Electrical/Instrumentation)
- or Graduate in CS/Electronics/IT

Eligibility

Prerequisite

- ✓ Candidate must have latest computer/laptop with preferably 4 GB RAM or higher and Graphics Card (2 GB)
- ✓ Internet connection with good speed (*preferably 2Mbps or higher*)

Rs. 42,000/- (inclusive of 18% GST)

Course Fees

Certificate

Certificate will be provided to the participants after the online test, conducted at the end of the course.

- ✓ Instructor-led live classes
- ✓ Instructor-led hands-on lab sessions.
- ✓ Content Access through e-learning portal
- ✓ Assessment and Certification

Methodology

Intended Users

The users can be people enthusiastic to jump into Information System Security, as the course is designed to be a ground-up approach where System Security is taught from scratch. Anyone who wants to get started in Information System Security will go for this course since we are in digital world System Security knowledge should be available for everyone.

Course Content

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Module – I: Networking Fundamentals

- Introduction to Networking Fundamentals
- TCP/IP

Module – II: Operating System Administration

- Installing Windows Server
- Introduction to Linux Fundamentals & Advanced Linux

Module – III: Cryptography Security Concepts

- Cryptography Concepts
- Configuring Secure DNS, Web Server, Mail Server, File Server

Module – IV: Security Attacks

- Sniffing, ARP Cache Poisoning & MITM Attack
- Brute Force Attack Through John the Ripper
- Denial of Service Attack

Module - V: Advanced Security

- Configuring Open VAS Server
- Configuring IDS with Snort
- Configuring Nagios Server

Module - VI: Project Work

Faculty

Dr. Munivel E	Mr. Yatish Kumar P	Mr. Ram Prasath S
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