

Postgraduate Diploma in Cyber Security (E-Learning)

Module Outlines

Information Security Management

The module covers the foundational knowledge in information security management. It will introduce the student to commonly used frameworks and methods and explore critically the suitability and appropriateness of these for addressing today's organisational security needs.

Computer Networking and Network Defence

This module concentrates on building a firm foundation for understanding computer networking and enables students to appreciate recent technology development. It prepares students on network security technologies and operations to attain Defense-in-Depth network security preparedness. It covers the protect, detect and respond approach to network security.

Linux Shell Scripting

This module focuses on shell scripting techniques. Students will learn how to analyze, design, write, test, and debug shell scripts.

Ethical Hacking and Penetration Testing

This module introduces the concepts of Ethical Hacking and gives the students the opportunity to learn about different tools and techniques in Ethical Hacking and practically apply some of the tools.

Computer Forensics Investigations

This module provides students with computer forensic and professional investigative processes. Students will learn about tools and techniques for gathering evidence, analysing data and writing investigation reports, as well as to get a good understanding of the related laws and regulations.

Internet of Things: Fundamentals and Security

The module provides an opportunity for students to focus their studies in the area of Internet of Things (IoT) within the field of Cyber Security which may be aligned to their future career interests. The module embodies principal elements that students need for understanding IoT from both a technical perspective and an industry point of view.