Course Code	Course Title	L	Т	Р	С				
BCSE354E	Information Security Management	1	0	2	2				
Pre-requisite	NIL	Syll	abus	vers	ion				
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## **Course Objectives**

- 1. To introduce information security devices and their management
- 2. To provide the knowledge of installation, configuration and troubleshooting of information security devices
- 3. To make students familiarize on data and information management

#### **Course Outcomes**

- 1. Understand and manage information security Devices
- 2. Configure and install information security devices
- 3. Organize a healthy, safe and secure working environment
- 4. Interpret the data/information in standard formats
- 5. Develop knowledge, skills and competence in information security

# Module:1 | Information Security Devices

2 hours

Identify and Access Management (IdAM), Networks (Wired And Wireless) Devices, Endpoints/Edge Devices, Storage Devices, Servers, Infrastructure Devices (e.g. Routers, Firewall Services), Computer Assets, Servers And Storage Networks, Content management.

# Module:2 | Security Device Management

2 hours

Different types of information security devices and their functions, Technical and configuration specifications, architecture concepts and design patterns and how these contribute to the security of design and devices.

## **Module:3** Device Configuration

2 hours

Common issues in installing or configuring information security devices, Methods to resolve these issues, Methods of testing installed/configured information security devices.

# Module:4 Team Work and Communication

2 hours

Communicate with colleagues clearly, concisely and accurately, Work with colleagues to integrate their work effectively, Pass on essential information to colleagues in line with organizational requirements.

## Module:5 | Managing Health and Safety

2 hours

Comply with organization's current health, safety and security policies and procedures, Report any identified breaches in health, safety, and Security policies and procedures, Identify, report and correct any hazards, Organization's emergency procedures, Identify and recommend opportunities for improving health, safety, and security.

### **Module:6** Data and Information Management

2 hours

Fetching the data/information from reliable sources, checking that the data/information is accurate, complete and up-to-date, Rule-based analysis of the data/information, Insert the data/information into the agreed formats, Reporting unresolved anomalies in the data/information.

### Module:7 | Learning and Self Development

2 hours

Identify accurately the knowledge and skills needed, Current level of knowledge, skills and competence and any learning and development needs, Plan of learning and development activities to address learning needs.

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