

# HIGHER NITEC IN SECURITY SYSTEM INTEGRATION (2 YEARS)

## Core Modules

### Electrical & Cabling Technology

On completion of the module, students should be able to set up, maintain and troubleshoot cabling systems.

### IoT Fundamentals

On completion of the module, students should be able to configure, establish communication and process data from IoT environmental elements such as devices, nodes, gateways and cloud.

### System Administration

On completion of the module, students should be able to set up server operating systems and perform system administration tasks such as user management, resource management and performance monitoring. Students should also be able to configure file server services and implement basic system security.

### Networking for Security Systems

On completion of this module, students should be able to plan, install, configure and troubleshoot computer network system for the wired and wireless LAN environment.

### CAD for Security Systems

On completion of this module, students should be able to create, update and interpret electrical and security system installation drawings.

### Intrusion Detection System

On completion of this module, students should be able to install, maintain and troubleshoot intrusion detection systems in various security environments.

### Access Control System

On completion of this module, students should be able to install, maintain and troubleshoot access control systems in various security environments.

### Video Surveillance Technology

On completion of this module, students should be able to select, test and troubleshoot video surveillance devices.

### Video Surveillance System

On completion of this module, students should be able to set up, maintain and troubleshoot surveillance systems.

## Specialisation Modules

### Security System Integration

On completion of the module, students should be able to design, install, maintain and troubleshoot an integrated security system.

### Project Management

On completion of the module, students should be able to plan, execute and monitor security system project using the various project management tools and techniques to meet the project scope, schedule and cost requirements.

### AI for Security Systems

On completion of the module, students should be able to establish, implement, test and troubleshoot AI and Automation in security system.

### Cybersecurity for Physical System

On completion of the module, students should be able to identify cybersecurity threats and vulnerabilities, utilize technologies and tools to mitigate them.

### Industry Attachment

On completion of the module, students should be able to apply and integrate the skills and knowledge that they have acquired at ITE College and develop competencies in other areas not covered in the curriculum, at the workplace.