NITEC IN ELECTRICAL TECHNOLOGY (LIGHTING & SOUND)

Core Modules

Residential Installation and Testing
On completion of the module, students should be able to design, install, test and maintain single phase electrical installation and wiring systems in residential premises in compliance with relevant local standards, regulations and codes of practice.

Industrial and Commercial Installation and Testing
On completion of the module, students should be able to design, install, test and maintain three phase electrical installation and wiring systems in industrial and commercial premises in compliance with relevant local standards, regulations and codes of practice.

Digital Communication and Smart Monitoring
On completion of the module, students should be able to maintain data cabling system for digital internet communication as well as smart metering systems in compliance with relevant local standards, regulations and codes of practice.

Power System and Switchboard
On completion of the module, students should be able to perform proper isolation, lockout tag out procedures as well as maintain low voltage electrical switchboards, power monitoring system and temporary electrical supply system in compliance with relevant local standards, regulations and codes of practice.

Specialisation Modules

Lighting Systems and Control
On completion of the module, students should be able to install, test and operate lighting equipment and systems used in MICE, entertainment and performing arts industry in compliance with relevant local standards, regulations and codes of practice.

Sound Systems and Control
On completion of the module, students should be able to plan, install, test and maintain sound equipment and systems used in MICE, entertainment and performing arts industry in compliance with relevant local standards, regulations and codes of practice.

Visual Media Systems and Control
On completion of the module, students should be able to install, test and operate visual media equipment and systems used in MICE, entertainment and performing arts industry in compliance with relevant local standards, regulations and codes of practice.

Industry Attachment
Students will be attached to relevant companies to complement and reinforce the skills and knowledge acquired at ITE and to gain professional and working experience.