

NITEC IN RAPID TRANSIT TECHNOLOGY

Electives (Course Specific)

Basic Fire Safety and Protection Systems

On completion of the module, students should be able to diagnose, service and maintain fire-fighting equipment such as fire-alarm systems, hose-reel installations, sprinkler systems, fire-fighting hydrants, potable fire extinguishers, one- and two-way emergency voice communication systems and fire suppression systems in the industrial, commercial and residential building.

Technical Mathematics (Rapid Transit)

On completion of the module, students should be able to understand and apply basic mathematical principles in to use and operate scientific calculators; perform arithmetic operations, numerical ten and SI prefix conversions, rearrangement of mathematical terms, data collection including interpreting straight line graphs, charts and data.

Mechanical Tools and Applications

On completion of the module, students should be able to apply knowledge and skills to perform mechanical maintenance and repair of fastening devices.

Electives (Inter-disciplinary)

Video Surveillance System

On completion of the module, students should be able to install, test and operate the video surveillance systems and equipment.

Metrology

On completion of the module, students should be able to understand the fundamental of inspection and, verify and measure engineering components according to technical drawing using appropriate tools.

Bearing Maintenance Technology

On completion of the module, students should be able to apply the skills and knowledge to select, replace and diagnose anti-friction bearing faults.