



Vision

To become a leading technical and vocational training institution that develops skilled, competent and industry-ready professionals for the future workforce.

Mission

To provide high-quality, practical and competency-based training aligned with the National Occupational Skills Standard (NOSS) and current industry requirements.

Objectives

- To provide structured technical training from basic to advanced competency levels.
- To develop skilled graduates who meet recognised occupational and industry standards.
- To prepare school leavers with practical skills for employment, entrepreneurship and further career development.
- To offer industry-based short courses tailored to the needs of individuals, employees and organisations.
- To support continuous skills upgrading, reskilling and professional development.
- To strengthen collaboration between training institutions and industry partners.
- To expose participants to current technologies, equipment and workplace practices.
- To promote safety, discipline, professionalism and lifelong learning among all trainees.

About Us

Kolej Teknikal Melaka, also known as Topix Technology Academy, is a JPK Accredited Centre registered under centre code PB L02082.

The academy provides competency-based technical education that combines theoretical knowledge, practical training, technical projects, and workplace-oriented learning.

Our programmes are designed to help learners develop practical skills, technical confidence, problem-solving abilities, and industry awareness.

In addition to full-time skills programmes, the academy collaborates with industry partners to deliver short professional courses in electrical systems, computer technology, IoT, automation, smart maintenance, and Industry 4.0.

Contact Us



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KOLEJ TEKNIKAL MELAKA (TOPIX TECHNOLOGY ACADEMY)



Single Phase Electrical System Installation and Maintenance

Programme Code: F432-005-2:2019

This programme provides learners with practical knowledge and technical skills in single-phase electrical drawing, wiring installation, testing, commissioning, maintenance, and motor control.

Key Learning Areas

- Single-phase electrical drawing
- Wiring diagrams and electrical symbols
- Material and equipment preparation
- Lighting circuit installation
- Socket outlet installation
- Distribution board installation
- Cable termination
- Electrical testing and commissioning
- Routine maintenance
- Preventive maintenance
- Corrective maintenance
- Single-phase motor installation
- Motor control and termination
- Electrical safety practices
- Use of electrical testing instruments

Potential Career Pathways

Electrical Technician • Maintenance Technician • Building Technician • Electrical Service Technician • Technical Assistant • Electrical Service Entrepreneur

Training Duration

8 months



Computer System Operation

Programme Code: IT-020-3:2013

This programme develops practical skills in computer operations, hardware installation, software configuration, system maintenance, basic networking, troubleshooting, and technical support.

Key Learning Areas

- Computer hardware installation
- Software installation and configuration
- Operating systems
- Computer maintenance
- Hardware troubleshooting
- Software troubleshooting
- Basic computer networking
- File and data management
- Basic computer security
- Peripheral device installation
- User technical support
- ICT system documentation

Potential Career Pathways

Computer Technician • IT Support Technician • Technical Support Assistant • Computer Maintenance Technician • Helpdesk Support • ICT Support Assistant • Computer Service Entrepreneur

Training Duration

15 months



Build Skills, Create Your Future

Practical Technical Education for
Electrical, Computer, IoT and Industry 4.0
Careers

Industry-Based Short Courses

- a) IoT-Based Electrical Energy Monitoring
 - 1-2 Days
 - Real-time monitoring of voltage, current, power and energy consumption
- b) Smart Electrical Maintenance and Condition Monitoring
 - 1-2 Days
 - Sensor-based monitoring, fault detection and preventive maintenance
- c) Industrial IoT Communication and Dashboard Development
 - 2 Days
 - MQTT, Modbus, Node-RED and cloud/local dashboards
- d) Smart Motor Control and Automation for Industry 4.0
 - 2 Days
 - Remote motor control, PLC integration, sensors and data logging
- e) On-Demand Technical Courses

We also provide customised, on-demand training programmes designed according to customer requirements, industry applications, participant skill levels, equipment, and organisational training objectives.