KOLEJ IEWM
Empowering Sustainable Human Capital

GUARANTEED JOB PLACEMENT

DIPLOMA IN ENGINEERING TECHNOLOGY (TRENCHLESS TECHNOLOGY)
Diploma in Engineering Technology (TRENCHLESS TECHNOLOGY)

**CAREER OPPORTUNITIES**

- Trenchless Technologist
- Contract Executives
- Site Supervisors
- Assistant Planner
- Assistant Engineer
- Site Executive
- Clerk of Work
- CAD Designer
- Assistant Modelling Engineer
- Operations & Maintenances Executive
- Construction Executive
- Rehabilitation Executive
- and many other positions.

**PROGRAMME AIMS**

Aims to fulfill the Human Resources gap in underground infrastructure and construction engineering needs for the urban development and transformation in various underground infrastructure sectors. Its timely and ideally suitable for the needs of new high school leavers to pursue this exciting career. This Diploma programme develops the students’ knowledge, skills and understanding of critical Infrastructure Planning and Practical areas of Engineering Technology requirements in Trenchless Technology implementation as the platform of underground constructions, as well as gives awareness of Green Construction of Sustainable Environment.

**ENTRY REQUIREMENTS**

Passed SPM or its equivalent with at least credits in THREE (3) subjects, including Mathematics OR and ONE (1) relevant Science / Technical / Vocational subject AND a pass in English;

Passed Sijil Tinggi Persekolahan Malaysia (STPM) or its equivalent with a pass in Mathematics, OR English and ONE (1) relevant Science / Technical / Vocational subject at the SPM level;

A recognized Certificate in Engineering / Engineering Technology or its equivalent.

**PROGRAMME STRUCTURE**

**YEAR 1**

- **Semester 1**
  - Fundamentals of English
  - Integrity and Work Ethnics
  - Computer Technology
  - Introduction To Trenchless Technology
  - Engineering Mathematics

- **Semester 2**
  - Business Communication
  - Malaysian Studies
  - Trenchless Construction
  - Trenchless Rehabilitation
  - Construction Engineering Management
  - Geotechnical Engineering

- **Semester 3**
  - Construction Methods
  - Soil Mechanics
  - Theory of Structural Engineering

**YEAR 2**

- **Semester 4**
  - Engineering Survey
  - Information Management
  - Evaluation & Selection of Trenchless Technology
  - Safety, Health & Environment
  - Engineering Assistant Skills / Total Quality Management

- **Semester 5**
  - Principle of Utility Designating & Locating
  - Strategic Planning and Project Management
  - Construction Equipment and Application
  - Computer Aided Analysis & Design
  - Engineering Mechanics

- **Semester 6**
  - Enterprise & Entrepreneurship
  - Principal of Non-destructive Evaluation Engineering
  - Procurement Contract Management

**YEAR 3**

- **Semester 7**
  - Project
  - Material Science and Technology
  - Principles of Statistics / Utility Development

- **Semester 8**
  - Industrial Training 1 (Office Administration)
  - Industrial Training 2 (Field Works)

- **Compulsory**
- **Core**
- **Elective**