

ELECTRICAL & ENERGY EFFICIENCY

- IMI EV/HEV Qualification /Certification (Level 1 - 3)
- IMI EV/HEV Qualification /Certification (Level 4)
- Industrial Project With Visual Basic
- Internet of Thing (IOT) with Cloud Computing
- Internet of Thing (IOT) With Open Source Software
- Micro- Electro- Mechanical System (MEMS) Sensor Technology And IOT Applications
- Microcontroller Raspberry PI Training Platform For IOT And Industry 4.0 Revolution
- NVIDIA Jetson Nano For Artificial Intelligence Application
- Orcad Spice Circuit Simulator And Analysis
- Photovoltaics Principles And Materials
- Solar Photovoltaics On Grid System Design

COMPUTER & INFORMATION DEPARTMENT

- Web Development
- CCNA 1 - Introduction to Networks
- Fundamental of Wireless Network Security
- Young Phyton Coders: Learn, Build, Innovate with AI
- AI Exploration - Fundamental and Applications
- 3D Modelling Animation - Fundamental
- Mobile Photography Videography
- Adobe Photoshop for Beginners - Poster

THE PACKAGE INCLUDES

- Certified and Professional Trainer
- Professional/Competency/Training Certificate
- Module Handouts
- Conducive Accommodation
- Appreciation Souvenir

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This is German-Malaysian Institute, It is All About Applied Science, The Rest is Technology
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STC SHORT TERM COURSE





MECHANICAL ENGINEERING DEPARTMENT

INDUSTRIAL & MECHANICAL DESIGN

- 3D Printing DLP
- 3D Printing FDM
- CAD Fundamental - Auto CAD Inventor & Solid Work
- Design For Manufacturing & Assembly
- Digital Design & Styling
- Ergonomics
- Engineering Drawing & CAD
- Finite Element Analysis CAE (Beginner) Using Solid Work
- Model Marketing Technique
- Prototype Modelling & Application
- Prototype Technology & Application
- Reverse Engineer For Product Development (3D Printing)
- Reverse Engineering For Product Development (Silicon Rubber)
- Rubber Silicon Mould Making

MANUFACTURING & MANAGEMENT

- Basic Metrology
- CNC Milling Maintenance Level 1
- CNC Milling Maintenance Level 2
- CNC Turning Maintenance Level 1
- CNC Turning Maintenance Level 2
- Computer Integrated Manufacturing System (CIMS)
- Coordinate Measuring Machine (CMM)
- Engineering Material & Testing
- Geometrical Dimensioning Tolerancing (GDT)
- Smart Machine Integration CIMS With IOT Platform
- Smart Manufacturing Executive System (MES)
- i-Smart Manufacturing Executive System (MES)
- PLC & IIOT Edge Computing Using Bosch Technology
- Industrial Management (Online)
- Machine Electrical Faults & Diagnosis
- Machine Element Design & Operation
- Machine Tool Operation
- Mechanical Instrument Calibration
- Quality Standard & Auditing
- Lean Six Sigma
- Total Product Maintenance
- Total Quality Management (TQM)
- Welding

PRECISION MACHINING & ASSEMBLY

- Advanced CAD/CAM Milling
- Advanced CNC Milling For Manufacturing (ISO/HEIDENHEIN)
- Advanced Mould Design
- Advanced Scientific Injection Moulding Process
- Basic CAD/CAM Milling
- CAD/CAM For Sheet Metal
- CNC 2D Laser Cutting Technology
- Die Construction And Design 1 (Blanking, Piercing And Compound Die)
- Die Construction And Design 2 (Draw Die)
- Die Construction And Design 3 (Cut And Carry Progressive Die)
- Die Maintenance & Press Machine Operation
- Flow Abrasive Water-Jet Technology
- Fundamental CNC Milling For Manufacturing (ISO/HEIDENHEIN)
- Fundamental CNC Turning Manufacturing (ISO/Conversational Shopturn)
- Fundamental Of Metal Stamping
- Fundamental Of Scientific Injection Moulding Process
- Fundamental Of Mould Technology
- Fundamental Of Plastics Processing
- Fundamental CNC Milling Multi Axis
- Intermediate CAD/CAM Milling
- Intermediate CNC Milling Multi Axis
- Intermediate CNC Milling For Manufacturing (ISO/HEIDENHEIN)
- Intermediate CNC Turning For Manufacturing (ISO/Conversational Shopturn)
- Mould Maintenance
- Plastic Product Analysis
- Sheet Metal Fabricant
- Sheet Metal Forming 7 Development Technology
- Sheet Metal Product Design
- Sheet Metal Working Technology
- Three Plate Mould Design
- Tooling Fabrication (Metal Stamping)
- Troubleshooting For Injection Moulding
- Two Plate Mould Design

TEACHING FACTORY THERMAL ENERGY SYSTEM (TES)

- Operation & Maintenance of Water & Air Side (Cooling Towers, Pumps and AHU & FCU) for Centralized Chilled Water Systems, CCHWS
- Efficient Operation, Troubleshooting & Maintenance of Centralized Chilled Water HVAC Systems
- Awareness IR4.0 & Implementation For Centralized Chilled Water HVAC System



ELECTRICAL ENGINEERING DEPARTMENT

INDUSTRIAL AUTOMATION & CONTROL

- Advanced PLC With Industrial Internet Of Things (IIOT)
- Distributed Control System : Emerson Delta V Basic Application
- Distributed Control System (SIEMENS) + IIOT
- Electrical Installation
- Electrical Motor & Maintenance
- Electrical Motor Operation And Troubleshooting
- Electronics Equipment Troubleshooting
- Fundamental Of Industrial Robotics
- Hydraulics Technology
- IIOT System Integration Using SIEMENS S7-1200
- Industrial Calibration & Maintenance
- Industrial Process Control & Instrumentation + IIOT
- Industrial Robotics Simulation And Programming
- Instrument Calibration
- Instrumentation
- Introduction To Virtual Instrumentation And Measurement Using Lab View
- Pneumatics Technology
- Programmable Logic Controller : Advanced Programming
- Programmable Logic Controller : Basic Programming
- Proportional Hydraulics Technology
- Rotation Equipment & Maintenance
- S7-1200 PLC For Beginners
- SCADA Via SIEMENS PLC
- SCADA With Lab View
- Sensor Technology
- Solid Works - Basic Course

ELECTRICAL & ENERGY EFFICIENCY

- Arduino Interfacing & Application System
- Arduino Microcontroller System With Sensor And Actuators
- Basic Awareness Safety EV Vehicle
- Basic Control Motor & Electrical Vehicle
- Battery Electrical Vehicle (BEV3) IMI
- Electrical & Electronics Analog System
- Fault Analysis - Electronics Troubleshooting
- Hardware Description Language (Verilog) Based System Design & Application
- Hybrid & Electrical Motor Vehicle Technology
- Hybrid Vehicle Technology