ACE
TRAINING PROFILE

CENTER FOR ADVANCEMENT & CONTINUING EDUCATION

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LIST OF CONTENTS

UNIVERSITI KUALA LUMPUR, MALAYSIAN SPANISH INSTITUTE

About Us

"GEARING UP WITH SPANISH TECHNOLOGY"

Universiti Kuala Lumpur (UniKL), a Majlis Amanah Rakyat (MARA) university, is one of Malaysia's top technical universities. The university's goal is to equip graduates with the knowledge, skills, and attitudes necessary to contribute to and play key roles in a worldwide, knowledge-based economy. UniKL MSI was founded in response to the rapidly growing demand for automotive engineering, mechanical and mechatronics, and management. UniKL MSI offers innovative, well-designed Spanish technology programmes that blend academic training with practical applications, thanks to close partnership between the Malaysian and Spanish governments. Since 2003, the campus in Kulim Hi-Tech Park, Kedah, has been fully operational. UniKL MSI is able to offer distinctive well-designed academic programmes (both at the degree and certificate levels) that incorporate theoretical training and practical application thanks to a significant partnership effort between the Malaysian and Spanish governments.

ACE

UniKL's strategic goal to become one of Asia's Top Universities by 2020 includes the establishment of the **Centre for Advancement and Continuing Education (ACE)**. Our courses will equip you with the knowledge and experience you need to improve your capabilities, and will be led by recognized academic and industry professionals in their particular areas of expertise.

We believe that the workforce has changing demands and that education and self-improvement should be a continuous activity. However, with a full-time work, attending classes and certifications will be difficult. That is why we provide a variety of solutions to allow you to continue to develop your skills while still working.

MEET OUR
TEAM OF TRAINERS

TS. DR. MOHD NORZAIMI B. CHE ANI

Obtained his Ph.D. in Engineering Manufacturing at Universiti Kuala Lumpur in 2019. Dr. Mohd Norzaimi has specialized in Industrial Engineering, Lean Implementation, Quality & Continuous Improvement. Some of the awards he received were Certified Maynard Operation Sequence Technique (MOST), Certified Trainer Six Sigma-Green Belt and Kaizen Coach from Kaizen Institute New Zealand. Currently, Dr. Mohd Norzaimi is a Deputy Dean (International, Industrial & Institutional Partnership) and a senior lecturer who is teaching subjects on manufacturing engineering.

Research Area: Industrial Engineering, Lean Manufacturing System

DR. MOHD FAUZI B. ABU HASSAN

Received his PH.D. in Industrial Automation at Universiti Kuala Lumpur in 2021. and specialized in Automation, Signal and Image Processing. Dr. Mohd Fauzi received awards in Certificate in Plant Maintenance Engineering, Shell Refining Co. (F.O.M) Bhd, Port Dickson, Certificate in Machine Tools, Institute Machine Tool, Elgoibar, Spain and Tyre Signs Defection by using pattern recognition. Currently, he is a member of the Malaysian Society of Engineering Technologist (MSET) and also a senior lecturer who is carrying out subjects and course development (course and curriculum design) for diploma and degree students

Research Area: Computer Vision and Pattern Recognition

MOHAMED YUSOF B. RADZAK

Mr. Mohamed Yusof obtained his Masters of Science in Electrical and Electronics at University of Science Malaysia in 2005. He is trained in Control and Robotics Electrical Machines. Mr. Mohamed Yusof received Professional Certificate in Hybrid Electric Vehicle Classification and Systems, Professional Certificate in Hybrid Electric Vehicle Operation and Maintenance Skills as well a Professional Certificate in Hybrid Electric Vehicle Mechanical Components Repair and Replacement Skills. These memberships were awarded by Institute of Motor Industry (IMI). At present, he is a Senior Lecturer & Head of Center for Advancement & Continuing Education (ACE), a business entity under the wing of UniKL MSI.

Research Area: Mobile Robotics, Electric Vehicles, Renewable Energies and Smart Systems

TS. MOHD IZWAN B. MAMAT

Received Bachelors Degree in Licence Professionnelle Electricite Electronique at Universite De Nice-Sophia Antipolis, France in 2004. Industrial Automation and Mechatronics are the main field of his. Some of the rewards achieved by Mr. Mohd Izwan were Professional Technologist- Ts. by Lembaga Teknologis Malaysia and SMCT-PLC1 Programmable Logic Controllers 1 (SMC Automation (Malaysia) SDN BHD by SMC International Training. Now, he is an assistant lecturer who is teaching and developing on academic area including conducting technical courses and research area of automation.

Research Area: Automation and Mechatronics

TS MOHD SUYERDI BIN OMAR

Received his Master of Manufacturing Systems Engineering, from Universiti Putra Malaysia (UPM), in 2011, Mr. Mohd Suyerdi possesses more than 15 years of experience in teaching at the University as well as in the industry.

He is currently employed as Senior Lecturer at Universiti Kuala Lumpur (UniKL) and a Professional Technologist (under the Malaysian Board of Technology) in the field of Manufacturing and Industrial Technology. His experience in the field of design and manufacturing, especially in plastic and sheet metal processing has made him one of experts in his field. He is also a certified TOT trainer recognized by NIOSH.

Research area: Engineering Design, Design for Plastic and Advanced Manufacturing Process.

Our expertise

Short courses

- Automotive Components and System Technology
- Electrical, Electronics and Telecommunication Technology
- Industrial Maintenance and Automation Technology
- Information Technology, Multimedia and Animation
- Product Design and Manufacturing
- Quality Engineering

Professional Certificates

Obtain certification to boost your portfolio's reputation.

How do you set yourself out in such a competitive market? Having an additional qualification will carry more weight in your portfolio or when pitching the capabilities of your team to a client. The certifications are accredited by qualified organisations that monitor and enforce industry-specific standards, ensuring professional training and expertise.

AWARDING BODIES
- National Institute of Occupational Safety
- SMC Pneumatics (M) Sdn Bhd
- SIRIM

Consultancy Services

To identify possible areas for improvement in our business and to offer recommendations on how to reach your business objectives.

Our team of professional academicians and industrialists with years of expertise in various fields provide Consultancy Services for your business, where they will work directly with you to meet your business demands and adapt to your specific requirements.

Programme Collaboration

Franchise relationships enable partners to provide UniKL's programmes while receiving UniKL certification. We ensure that the academic programmes supplied by our partners are consistent with those offered at UniKL and meet the same quality criteria under franchising agreements.

We welcome partners who want to localise or internationalise their institutions for mutual advantage, such as increased student numbers, improved institution reputation, quality improvement, and academic staff development.

Flexi Learn Programmes

Offering flexibility to accommodate your schedule so that you can expand your knowledge without disrupting your work schedule.

UniKL has the flexibility to accommodate your work schedule and provide you with the option to improve your abilities without taking time away from work. Many professionals prefer to enrol in UniKL's FlexiLearn programmes because of this flexible learning schedule. Selected Professional Certificates can also be incorporated into the programmes. For syllabus exemptions, prior academic degrees and work experience may also be taken into account.

E-Learning

This programme allows you to continue your studies from any computer with an internet connection, at any time.

Our E-Learning courses allow you to learn from anywhere at any time. We provide advancement through our E-Learning courses for prompt and efficient learning.

List of Short Term Courses

Electrical, Electronic & Industrial Automation

- SIMATIC S7-300 Programming Level 1
- SIMATIC S7-300 Programming Level 2 (Troubleshooting)
- PLC for Control System(Position, Speed, Level,Temperature control)
- Pneumatic Systems
- Design & Construction of Electro Pneumatic Control
- Advanced Pneumatic Control
- Hydraulic System
- Electro Hydraulic System
- Advanced Hydraulic System
- Human Machine Interface (HMI)
- Basic Electrical Skill
- Advanced Electrical Skill
- Electrical Device & Control
- Microprocessor for Industrial Application
- PIC Microcontroller in C Language
- Process Control System
- Power Electronics & Drives
- Advanced Power Electronics & Drive
- Basic Electric Motor Control
- Measurement, Instrumentation & Sensors
- Mechatronics (Level 1)
- Mechatronics (Level 2)
- Industrial Robotics
- Electronic Packaging (Theory)
- Sensor Technology Application
- Basic Electrical and Electronics Trouble Shooting
- Advanced Manufacturing Technology
- Motion Control Technology
- Motor Controller For Machine Maintenance
- Automotive Electrical and Electronics

- Robotic & Control System (with Microcontroller)
- Control and Sensor Application of Differential Drive on Wheel Mobile Robot
- PIC Embedded Mobile Robot Hands on Workshop
- Diagnostics on AC Electric Motors
- Discovery & Diagnostics on Electrical and Electronics
- Hybrid and Electric Vehicle Technology
- Programming Arduino for Automation application
- Programming Arduino using Matlab/Simulink for control system
- Arduino Mega 2560 for Motor Control Application
- Arduino Mega 2560 for Pneumatics & Hydraulics Application
- Digital Electronics for Motor Control Application
- Digital Electronics for Pneumatics & Hydraulics Application
- DIY Data Acquisition (DAQ) using PIC Microcontroller and Communicate to MATLAB or Labview
- Build your own DC to DC converter using Microcontroller and Communication via MATLAB or Labview
- DIY Digital PID using PIC Microcontroller and Communication via MATLAB/Simulink or Labview
- DSP with MATLAB/Simulink for Control System Application
- Fuzzy Logic using MATLAB/Simulink for Control System Application
- Fuzzy Logic using PIC Microcontroller for Control System Application

- Hardware in Loop Theory, Practical and Application for Control System
- Processor in Loop Theory, Practical and Application for Control System
- Discovery on Variable Speed Drives
- Genetics Algorithm for Optimization of Engineering process with MATLAB/Simulink
- Labview for Control System Application
- Labview for Motor Control Application
- Labview for Pneumatics & Hydraulics Application
- MATLAB/Simulink for Control System Application
- MATLAB/Simulink for Hardware in Loop Application
- MATLAB/Simulink for Processor in Loop
- Microcontroller for Data Communication
- Microcontroller for Pneumatics and Hydraulics Application
- Microcontroller for Radio Frequency Data Communication
- Microcontroller For Control System
- Neural Network with MATLAB/Simulink for Control System Application
- Electrical Safety & Machine Safeguarding
- Electrical Engineering For Non-Electrical Engineers
- Feedback Control System
- Industrial Communication
- GPS Positioning with PIC Microcontroller
- Advanced Design Systems for RF Microelectronics
- PLC OMRON (Analog and Real Time Application)
- Practical Signal & Image Processing: Theory & Application
- Mechatronics System Troubleshooting

- Optical Proximity Sensing Technology: Basic Principles & Applications in Object Detection
- PLC for Control System (with Touch Screen Panel)
- Electronic Product Quality Control
- Automation Handling System
- Digital Electronics & Application
- Advanced Design Systems for RF Microelectronics
- Electronic Devices And Circuits
- Signal Processing and Embedded System
- Essence of Telecommunication
- Electrical System Design
- Custom Analog Mixed Signal VLSI Design and Verification
- The Principle of Signal Processing and Systems
- Linear Systems and Signals
- Analog Circuit Design Fundamentals
- Semiconductor Devices and Technology
- Transmission Line Theory & Practise for RF and Microwave Apps
- Modern Control Engineering
- Wireless Communication System Development & Verification
- RF And Microwave Transmission Line Simulation and Analysis
- Introduction to Writing Verilog Codes
- Fundamentals of Electrical & Electronics
- Power Electronics: Design, Simulate & Analysis using MATLAB
- Fundamentals of VLSI Design and Verification Phase 2
- Autonomous System
- System Integration
- Automotive Diagnostics Using Scanner Tools

Manufacturing

- Turning Operation
- Conventional Turning (Lathe) /Advanced
- Milling Operation
- CNC Lathe Programming & Machining
- CNC Milling Programming & Machining
- Electrical Discharge Machining (EDM) Wire Cut Programming & Machining
- Electrical Discharge Machining (EDM) Die Sinking Programming & Machining
- Tool & Die Design Technology
- Conventional Machine Maintenance
- Tool Cutter Grinder
- CNC Turret Punching
- Mould Design
- Mould Fabrication
- Introduction to Automotive Assembly Operation
- Welding, Painting and Final Assembly
- Manufacturing Engineering techniques - (Layout, process flow/charts, material handling and automation)
- Lean Manufacturing Operation for Profitable Production (Theory)
- Application of Maynard Operation Sequence Techniques (MOST) (Theory)
- Single Minutes Exchange of Die (SMED) (Theory)
- Value Stream Mapping (VSM) Current and Future State
- Design of Experiment (DOE) (Theory)
- Objectives and Elements of Production Planning Control (PPC) (Theory)
- Workshop Management & Operations
- Grinding Technology
- Pre Production (Theory)
- Product Planning (Theory)
- Equipment Maintenance (Theory)
- Basic Industrial & Manufacturing Engineering (Theory)
- Principles of Jig & Fixture Design

- 5 Axis CNC Milling
- Plastic Injection Operation
- Manufacturing Process Technology
- Inventory Demand Forecasting
- Fundamentals of Cutting Tools for Machine Processes
- Inventory Management (Theory)

Mechanical

- Advanced CAM
- Heat Treatment
- Fundamental of Vibration's Application in Engineering
- SMAW Welding Process
- Applied Material
- Non-Destructive Test for Crack and Flaw Detection
- Simulations using Finite Element Analysis (FEA)
- Mechanical Vibration (Measurement, Analysis & Diagnostic)
- Introduction to Fluid Mechanics
- Discovery & Diagnosis of Automative System
- Piping Systems and Pump Selection
- Non Destructive Test
- Bearing Technology & Maintenance
- Solidworks Motion & Fluid Flow Simulation
- Machine Safeguarding
- Welding Inspection
- Conveyer Design & Machine Maintenance
- Model Making Technique in Product Design
- Metallurgy and Corrusion
- Shaft Alignment
- Engine Vibration Measurement
- Smart Manufacturing (Robot & Automation)

Industrial Organization & Safety

- 5S Practices at Workplace
- Continuous Improvement
- Managing People – OSHA, Industrial Relations, Employment Act, Leadership and Team Building
- Total Cost of Ownership and Excel
- Manufacturing Planning

Metrology

- Applied Industrial Metrology
- Angular Measurement by Direct & Indirect Measurement
- Geometric Dimensioning & Tolerancing (GD&T)
- Optical Metrology through Profile Projector
- Measurement through CMM
- Measurement System Analysis (MSA) through Gauge Repeatability & Reproducibility (GR&R)
- Surface Finish Measurement

Quality Assurance

- 7 MP Tools for Total Quality Control
- 7 QC Tools for Quality Improvement
- Objectives and elements of Production Planning & Control
- Quality Control and Problem Solving techniques in Automotive Assembly Operations
- Master Production Scheduling and Shop Floor Control (MPS and ALC)
- Bills of Materials and Material Requirement Planning (BOM and MRP)
- Problem Solving Skill by Using Innovative and Creativity Circle(ICC)
- TQM Awareness
- ISO 9001 QMS
- Industrial Safety & Health (OSHA)
- Workshop Management & Cost Estimation

Skills Upgrading & Development

- Spanish for Beginners: Meeting & Greeting
- Basic Mandarin
- Statistical Process Control

Engineering Design

- Creo Parametric 2.0
- Technical Drawing
- CATIA V6
- Product Development with Additive Manufacturing
- Mechanical CAD – Solid Works
- AutoCAD 2D
- Introduction to Product Design and Development
- MasterCAM X6
- Geometry Drawing & Fitting Work
- Pictorial and Machine Drawing
- Autodesk Inventor for Designers
- 3D Modelling using SolidWorks
- Product Design & Analysis
- CAD/CAM for Manufacturing Process

IR 4.0/ICT

- Additive Manufacturing
- Big Data Analytics
- Android Apps Development
- Visual Basic Programming 1
- Visual Basic Programming 2
- Project Management
- Human Machine Interface (HMI) in Visual Basic
- Development of IoT application with Arduino & Cloud Computing
- Development of IoT application with Node MCU & Cloud Computing
- Development of IoT application with Raspberry PI & Cloud Computing
- Embedded System with Arduino using C Programming Language
- Embedded System with Raspberry PI using Python

- Java Programming
- Programming for Everybody (getting started with Python)
- C/C++ for Engineers
- IOT Architecture
- Fundamentals of Web Design
- Web Programming
- Cybersecurity for Education Practitioners
- Computer Vision
- Database Development using MS Access

Certificate of Competency

- PLC SMCT-1 Certification by SMC International
- Certificate of Competency in Six Sigma Yellow Belt
- Certified in 4th Industrial Revolution Foundation
- Certified in Car Detailing Specialist (TEVO International)
- Certified Welder (AWS - SIRIM)
- Professional Cert in Mechanical Engineering
- Professional Certificate in Mechatronics

Our Proven
track record

Creo Parametric 2.0

2016

- **CNC Machining**
  - 21, 22,23 September 2016 (Lathe)
  - 26,27,28 September 2016 (Milling)
Client: Kementerian Pendidikan Malaysia

- **Conventional Machining** (1,2 & 5 September 2016)
Client: Kementerian Pendidikan Malaysia

- **Creo Parametic 2.0** (4th – 8th January 2016)
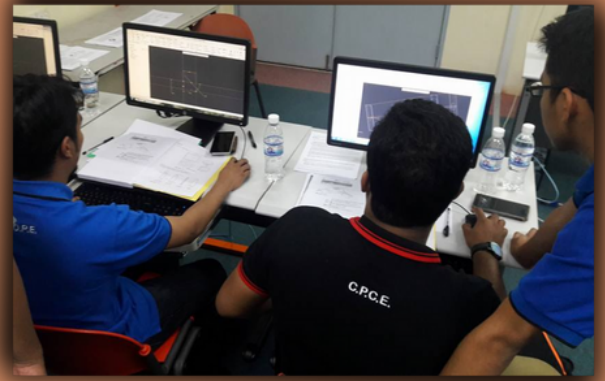Client: Continental (M) SDN BHD

- **Professional Certificate/ Competency in Electronics**
  - Module 6: Electrical Machines
  - Module 8: PLC Programming
  - Module 9: Pneumatics
  - Module 10: Hydraulics
  - Module 11: Power Electronics
  - Module 12: Process Instrumentation and Control
Client: First Solar (M) SDN BHD

- **Professional Diploma in Electronics**
  - Module 1: Electrotechnics
  - Module 2: Electronic Fundamentals
  - Module 3: Electric Power System
  - Module 4 : The Physics of Solar Cell
  - Module 5: Sensor Technology
  - Module 6: Basic Industrial and Manufacturing Engineering
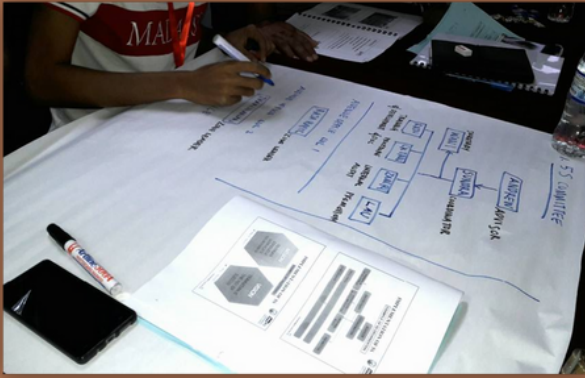 - Module 7: Pneumatic Technology

Creo Parametric 2.0

5S Practices at The Workplace

5S Practices at The Workplace

Industrial Management

Training for Kolej Vokasional

2016

- Module 8: Programmable Logic Control (PLC)
- Module 9: Electrical Machines
- Module 10
- Module 13: Basic Industrial and Manufacturing Engineering
- Module 14: Industrial Communication
- Module 15: Robotic Technology
- Module 16: Quality & Continuous Improvement
- Module 17 : Automated Manufacturing System
- Module 18 : Technical Project
- Module 19 : Electrical Machines

Client: First Solar (M) SDN BHD

- **Pump and piping system** (25th – 28th July 2016)

Client: Kementerian Belia dan Sukan

- **Fabrication & Assembly of Wheel Mobile Robot** (25th – 28th July 2016)

Client: IKTBN

- **Advanced Electrical & Electronics for Non Electrical Engineer**
  - 12th - 13th October 2016
  - 29th – 30th November 2016
  - 7th – 8th December 2016
  - 14th - 15th December 2016
  - 20th December 2016
  - 28th & 29th December 2016

Client: KOBE Tech SDN BHD

- **Industrial Management** (27,28,29 July 2016)

Client: Kolej Vokasional Balik Pulau

2016

- **CADCAM**
  - Week 1: 3, 10 August 2016 (Group 1)
  - Week 2: 17 & 24 August 2016 (Group 2)
  - Week 3: 7 & 21 August 2016 (Group 3)

  Client: Kolej Vokasional Krian

- **EDM Wirecut**
  - Week 1: 25 July, 8 August 2016 (Group 1)
  - Week 2: 15 & 22 August 2016 (Group 2)
  - Week 3: 29 August & 19 September 2016 (Group 3)

  Client: Kolej Vokasional Krian

- **Manage Manufacturing**
  - 3, 10, 17 & 24 August 2016
  - 7 & 21 September 2016

  Client: Kolej Vokasional Krian

- **Programmable Logic Controller (Omron)** (22th – 24th August 2016)

  Client: Kolej Vokasional Wilayah Utara

- **Programmable Logic Controller (Omron)- Hardware Package CPU Omron** (6th – 8th September 2016)

  Client: Kolej Vokasional Wilayah Utara

- **Welding Inspection** (2th August 2016)

  Client: Kolej Vokasional Nibong Tebal

- **Electric Motor** (4th – 6th October 2016)

  Client: Kolej Vokasional

- **CNC Milling** (Programming & Machining)
  - Week 1: 8,9,10 March 2016 (Group 1)
  - Week 2: 28,29,30 March 2016 (Group 2)

  Client: Kolej Vokasional Sungai Petani 1

- **Advanced Hydraulic System** (22th – 26th August 2016)

  Client: Kementerian Pertahanan Malaysia

- **5S Practices at The Workplace** (16th – 17th June 2016)

  Client: Pan Electric (M) SDN BHD

- **Skills Improvement Course for Teachers of Kolej Vokasional Production & Management System Based On Noss JPK Level 5 in Collaboration with Malaysian Association of Vocational & Technical Teachers** (27th - 29th 2016)

  Client: Kolej Vokasional

5S Practices at The Workplace

5S Practices at The Workplace

2017

- **Java Programming** (23rd – 26th October 2017)
Client: Ministry of Education (BPLTV)

- **Mastercam X6** (24th – 26th October 2016)
Client: GIATMARA

- **Electrical & Electronic CAD** (9th – 12th October 2017)
Client: CIAST

- **Professional Diploma in Electronics**
  - Module 10 : Programmable Logic Control (PLC) 2
  - Module 11 : Hydraulic Technology
  - Module 12 : Power Electronics
  - Module 13 : Process Instrumentation And Control
  - Module 14: Industrial Communication
  - Module 15: Technical Project
  - Module 16 : Quality & Continuous Improvement
  - Module 17 : Automated Manufacturing System
  - Module 18 : Technical Project
  - Module 19 : Electrical Machines
Client: First Solar (M) SDN BHD

- **Autodesk Inventor** (3d Application) (25th – 28th September 2017)
Client: GIATMARA

- **EDM Wirecut & Diesinking** (27th – 30th August 2017)
Client: GIATMARA

- **Basic Electro Pneumatic** (21st – 24th August 2017)
Client: GIATMARA

Basic Electro Pneumatic

- **Industrial Automation** (6th – 9th November 2017)
Client: GIATMARA

- **Jigs and Fixture** (17th – 21st July 2017)
Client: GIATMARA

- **Motor Controller for Machine Maintenance** (23rd – 26th October 2017)
Client: GIATMARA

- **CADCAM**
  - 5,6,7 September 2017 (Session 1)
  - 12,13,14 September 2017 (Session 2)
Client: Kolej Vokasional Krian

- **EDM Wirecut** (Programming & Machining) (18, 19, 20, 25, 26, 27 September 2017 & 2, 3, 4 October 2017)
Client: Kolej Vokasional Krian

- **CNC Lathe & Milling** (Programming & Machining)
  - Week 1: 6 & 7 Mac 2017
  - Week 2: 13 & 14 Mac 2017
  - Week 3: 27 & 28 Mac 2017
  - Week 4: 3 & 4 April 2017
Client: Kolej Vokasional Sungai Petani 1

- **Mould Design** (3rd – 6th September 2018)
Client: GIATMARA

- **5 Axis CNC Machining** (24th – 27th September 2018)
Client: GIATMARA

- **PLC for Inverter & Soft Starter Application** (14th – 16th August 2018)
Client: Institut Latihan Perindustrian Ipoh

- **Basic Electrical Skill** (10th – 11th April 2018)
Client: Kinetics Systems Malaysia SDN BHD

- **CADCAM**
  - Week 1: 7, 14, 28 Ogos 2018 (Group 1)
  - Week 2: 4, 18, 25 September 2018 (Group 2)
Client: Kolej Vokasional Krian

- **EDM Wirecut**
  - 9, 16, 30 August 2018
  - 6, 27 September 2018
  - 4 October 2018
Client: Kolej Vokasional Krian

- **NDT** (UT & RT) (12th September 2018)
Client: Kolej Vokasional Nibong Tebal

- **Advanced Design of Electronics** (23rd – 27th July 2018)
Client: Majlis Amanah Rakyat

- **Workshop Application for RF Microelectronics** (29th October – 2nd November 2018)
Client: Majlis Amanah Rakyat

- **Electric Motors for Power Tool Application** (5th – 8th March 2018)
Client: Robert Bosch

2019

- **Metallurgy** (10th –11th April 2019)
Client: Kolej Vokasional

- **Mastercam X6** (16th -18th April 2019)
Client: Teknologi Kimpalan Kolej Vokasional

- **Gearbox Service & Maintainence** (23th - 25th April 2019)
Client: Kedah State's Entrepeneurs

- **Wirecut with Mastercam** (17th – 21th June 2019)
Client: IKTBN

- **CNC Milling (Programming & Machining)** (17th – 21th June 2019)
Client: Kolej Vokasional

- **Applied Science** (10 September 2019)
Client: Kolej Vokasional

- **EDM Wirecut & Die Sinking** (10th – 11th September 2019)
Client: Kolej Vokasional

- **Arm IOT Device Technologist** (19th – 23th August 2019)
Client: Kolej Vokasional

- **Autocad Inventor** (29th – 1st November 2019)
Client: Kolej Vokasional

- **Wireless Comunication (Development & Verification)** (9th – 11th December 2019)
Client: Institut Kemahiran MARA

- **Smart Manufacturing** (14 November, 19th – 20th December 2019)
Client: Premium Solutions SDN BHD

- **Gearbox Service & Maintainence** (21th - 23th December 2019)
Client: Perlis State's Entrepeneurs

- **Statistics for Electronic Product** Manufacturing (26th – 28th December 2019)
Client: Institut Kemahiran MARA Johor

Statistics for Electronic Product Manufacturing

Statistics for Electronic Product Manufacturing

Reskilling Mastercam X5

Reskilling Mastercam X5

Implementation of "Electronic Testing"

2020

- **Smart Manufacturing** (9th – 10th Januaty 2020)
Client: Premium Solutions SDN BHD

- **Intermediate and Advanced Mastercam** (20th - 22nd July 2020)
Client: Wirecut Course for Institut Kemahiran Tinggi Belia Negara Pagoh

- **Electronic Product Packaging** (15th - 18th August 2020)
Client: Institut Kemahiran MARA Johor Bahru

- **Reskilling Mastercam X5** (20th – 24th September 2020)
Client: Kementerian Pendidikan Malaysia

- **Automated Manufacturing System** (6th – 8th July 2020)
Client: Institut Kemahiran MARA Johor Bahru

- **Electronic Testing** (9th - 11th November 2020)
Client: Institut Kemahiran MARA Johor Bahru

- **Advanced Electrical & Electronics for Non Electrical Engineer** (7th – 8th December 2016)
Client: KOBE Tech SDN BHD

2021

- **Implementation of "Electronic Testing"** (29th – 31st March 2021)
Client: Institut Kemahiran Mara Johor Bahru

- **Introduction to AutoCAD for Electronics Design Application** (12th –15th July 2021)
Client: Kolej Vokasional Rompin

2021

- **Programming & Maintenance of Industrial Robot** (2nd September 2021)
Client: Kolej Vokasional Perai

- **Culinary** (6th – 7th September 2021)
Client: Kolej Vokasional Gerik

- **Welding** (20th – 21st September 2021)
Client: Kolej Vokasional Gerik

- **Public online training: Condition Monitoring** (27th October 2021)

- **Public online training: Arduino TinkerCAD** (8th October 2021)

- **Public online training: Power Electronics** (12th November 2021)

2022

- **Welding Tred 3G Gtaw Aluminum, Gtaw Stainless Steel, & 6G Smaw Carbon Steel (WQT Welder Qualification Test)** (7th – 13th March 2022)
Client: IKM Berseri

- **Project Management** (Piping Installation) (28th March 2022)
Client: ILP Tangkak

- **PLC Reskilling Program** (13th – 15th April 2022)
Client: BPLTV

Continuosly Variable Transmission

- **Professional Certificate in Mechanical Engineering**
  - Module 1: Stamping Elements
G1: 26,27 May 2022
G2: 2, 3 June 2022 (switch with Module 4: Powder Coating) due to PIC meeting in Terengganu

  - Module 2: Soft Tool Elements
G1: 20, 21,22 June 2022
G2: 27, 28,29 June 2022

  - Module 3: Welding Elements
G1: 5,6 July 2022
G2: 13,14 July 2022

  - Module 4: Powder Coating Elements
G1: 9,10 Aug 2022
G2: 15,16 Aug 2022 (switch with Module 1:Stamping Elements)

  - Module 5: IPE
G1: 6,7 Sept 2022
G2: 13,14 Sept 2022

  - Module 6: Machining & Turning
G1: 11 Oct 2022
G2: 18 Oct 2022
Client: Flextronics Malaysia SDN BHD

2022

Electronics Circuit Design Using Ni Multisim and Labview

Professional Certificate in Mechanical Engineering

- **Professional Certificate SMCT PLC 1** (15th – 18th August 2022)
Client: Kolej Vokasional Rompin

- **Electronics Circuit Design Using Ni Multisim and Labview** (7th – 9th June 2022)
Client: IKM Sungai Petani

- **Continuosly Variable Transmission** (24th – 26th May 2022)
Client: Entrepreneurs

- **High Impact Presentation for Instructors** (5th - 7th July 2022)
Client: Giat MARA

- **Beginner's Guide to Excel & PowerPoint** (4th-6th July 2022)
Client: Petronas Chemical Fertiliser Kedah SDN BHD

- **Integrated Management System**
Client: CORETech GMC SDN BHD

Welding Tred 3G Gtaw Aluminum, Gtaw Stainless Steel, & 6G Smaw Carbon Steel (WQT Welder Qualification Test)

(7th – 13th March 2022)

Being one of the most sought-after jobs with high paid salaries, welders are in demand for their skills and experience everywhere in the world. Realizing that welders complement the industry, we have collaborated with SIRIM for a Welder Qualification Test (WQT) here, on - campus.

High Impact Presentation for Instructors

(4th-6th July 2022)

A total of 30 lively teachers from various Giatmara institutes across Malaysia were in Kuala Lumpur for a three-day full packed program. Possessing great presentation skills would boost personal confidence as it is immediately associated with having good communication skills. They had the chance to demonstrate their presentation skills after mastering the knowledge of how to make an unforgettable impact on their audience.

Professional Certificate in Mechanical Engineering

We have customized the Professional Certification in Mechanical Engineering certification program specifically for Flex participants. We provide on-site training in Flex, where we send our subject matter experts to their facility to help optimize both employees and the company's productivity. This session incorporates classroom presentations, and practical sessions in UniKL the next day. Briefed modules, and learner-centered classes that allow students to experience hands-on welding sessions on campus.

Professional Certificate SMCT PLC 1

Professional Certificate SMCT PLC 1
17th August 2022

(15th – 18th August 2022)

Attendees from the entire Malaysia, attending our pilot program with our partner, SMC International Training. Training was held in a specially designed facility, whereby the module is already adapted to the needs of every industry. These 20 participants received undivided attention from our qualified trainers and were assessed before getting their certificate of competency.

In the northern region, UniKL MSI is the **only university with certified SMC** trainers for Professional Certificate in SMCT PLC1.

Manuli Ryco Hydraulics Sdn Bhd, Kuala Ketil

20th August 2022

Ryco, having built a strong reputation in hydraulics and hose fittings is, to date, known for its dynamic, world-leading fluid conveying technology. With their engineering excellence and highest quality products, ACE UniKL MSI is proud to partner with RYCO sooner than expected. Soon, we hope to custom their training needs to be suited for their team and build a strong rapport with an international based company