



ACE
UNIVERSITI KUALA LUMPUR
ADVANCEMENT AND
CONTINUING EDUCATION

UniKL



ACE TRAINING PROFILE

CENTER FOR ADVANCEMENT & CONTINUING EDUCATION

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LIST OF CONTENTS

About UniKL MSI | 03

Introduction to ACE | 04

Meet Our Team of Trainers| 05

Our Expertise | 08

List of Courses | 10

Proven Track Record | 15

About Us

Universiti Kuala Lumpur (UniKL), a university under the purview of Majlis Amanah Rakyat (MARA) university, is one of Malaysia's leading technical universities. The university's objective is to provide graduates with the information, skills, and attitudes needed to contribute to and play vital roles in a global, knowledge-based economy. UniKL MSI was established to meet the rapidly increasing need for automotive engineering, mechanical and mechatronics, and management. Thanks to a continuous partnership between the Malaysian and Spanish governments, UniKL MSI offers unique, well-designed Spanish technology programs that integrate academic training with practical applications.

The campus in Kulim Hi-Tech Park, Kedah, has been fully operational since 2003. Pursuant to a significant partnership effort between the governments of Malaysia and Spain, UniKL MSI is able to provide distinctive, well-designed academic programs (both at the degree and certificate levels) that integrate theoretical instruction and practical application.

ACE

UniKL's strategic mission to rank among Asia's premier universities by 2020 encompasses the establishment of the Center for Advancement and Continuing Education(ACE) across all UniKL branch campuses. Our array of courses is meticulously designed to equip you with the knowledge and practical experience required for advancing your career, all led by accomplished experts from academia and industry.

We recognize the dynamic shift in workforce expectations, emphasizing the importance of ongoing education and self-improvement. At ACE, we acknowledge the challenges individuals face when juggling full-time jobs with training and credential attainment. Hence, we offer a range of solutions to facilitate skill development alongside your professional commitments.



MEET OUR TEAM OF TRAINERS DEAN/HEAD OF CAMPUS

IR. DR. MOHD NIZAM BIN AHMAD P. ENG., M.I.E.M.

Obtained his Ph.D. in Mechanical Engineering from Universiti Sains Malaysia, in 2020. He specializes in Biomechanics, Frictions in Orthodontics, Product & Mechanical Design, Finite Element Analysis, Structural Analysis. Ir.Dr Mohd Nizam started his journey as an academician when he joined UniKL MSI in August 2007, and slowly build up his forte as the management team when he was appointed as Head of Mechanical Section in 2008. After successfully completing the role as section head, he was granted a larger responsibility to drive the Students' Affairs & Technopreneur (later known as (Student Development & Campus Lifestyle) as the Deputy Dean in 2010.

After completing his PhD at USM, Ir. Dr. Nizam was appointed as Deputy Dean of Academics, making him one of UniKL's youngest deans.

Research Area: Biomechanics Studies, Application of NiTi Shape Memory Alloy, Mechanical Design & Experimental Works, Structural Optimization.



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 his 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 and Deputy Dean of Student Development & Campus Lifestyle 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.



MOHD RIDUAN BIN IBRAHIM

A Senior Lecturer and Head of Section of Manufacturing Department, with a vast background in engineering. Holding an M.Eng in Manufacturing Systems from UPM, he has honed his expertise in Tool & Die through a B.Eng. Tech. (Hons.) from UniKL and a Diploma in Manufacturing Engineering – Tool & Die from TATI. Riduan's specialization encompasses Tool & Die Design, Tool and Die Fabrication, as well as proficiency in CAD/CAM and CNC Machining.

With his comprehensive background, Riduan not only imparts knowledge in academic settings but also extends his expertise to the practical surrounding for our programs with manufacturing operators from various industries.

Research area: Tool & Die Design and Fabrication, Cutting Tool Analysis



DR. AHAMAD ZAKI BIN MOHAMED NOOR

Dr. Ahamad Zaki received his Ph.D. in Manufacturing Engineering, from Universiti Teknikal Malaysia, Melaka (UTeM), Dr Zaki is one of our youngest Senior Lecturer in UniKL MSI. He is being given the task as Head of Postgraduate Section at Universiti Kuala Lumpur (UniKL) since May 2021. Specializing in Robotics and Automation, Sustainable Manufacturing, Artificial Intelligence, Product Design, Dr Zaki has been lending his expertise in several manufacturing industry i.e. Petronas Fertilizer & Premium Sound Solutions in AI related courses.

Research Area: Artificial Neural Network, Manufacturing System, Image Processing



IR.TS. DR. TAJUL ADLI B. ABDUL RAZAK

Ir. Ts. Dr. Tajul is an experienced Senior Lecturer and the Head of the Research & Innovation Section, with a strong background in Engineering. He holds a Master's degree in Engineering, specializing in Manufacturing Systems from UPM, and a Bachelor's degree in Engineering, focusing on Aerospace from USM. Tajul's expertise lies in Automotive Design, CAD (Computer-Aided Design), 3D Scanning, and Vehicle Development.

His research primarily focuses on Automotive Applications, where he utilizes his knowledge and skills to drive innovation and advancements in automotive engineering. With his diverse knowledge and leadership abilities, Tajul plays a crucial role in leading research and innovation initiatives within the institution.

Research area: Automotive Application



SHAIFULADI B. SHAHARUDDIN

Shaifuladi, a lecturer and Head of Quality Assurance Section, has an extensive background in Electrical, Electronic, and Automation. He obtained a Bachelor of Engineering (Hons.) in Electrical & Electronics from Universitaire de Nice Sophia Antipolis, France, and a Diploma of Technology in Electrical, Electronic, and IT Communication from IUT de Nice France.

Furthermore, he has expertise in DET (Electrical Equipment & Installation) from MFI. Shaifuladi's specialization lies in Electrical Power and Mechatronics.

Research Area: Industrial Automation and Control System



MOHAMAD ROSYIDI B. AHMAD

Rosyidi is a lecturer and program coordinator of DEET in Industrial Automation & Control. He possesses extensive expertise in Electrical, Electronic, and Automation domains. Rosyidi holds a Master's degree in Engineering of Electrical Power from UTM, as well as a Bachelor's degree in Engineering (Hons.) of Electrical Electronics from the same institution. He has honed his skills in various aspects of Electrical Power, including power generation, transmission, distribution, and utilization.

His proficiency also extends to electrical systems design, analysis, and troubleshooting. Furthermore, Rosyidi demonstrates adeptness in automation technologies, such as PLC programming, SCADA systems, and industrial control systems integration. These skills contribute significantly to his comprehensive understanding of industrial automation and control processes.

Research area: Electrical Power



DR. MOHD REZAL B. MOHAMED

Dr Rezal, a Senior Lecturer and Program Coordinator in Mechatronics Engineering Technology (Automotive), has a strong background in Electrical, Electronic, and Automation disciplines. He holds a Ph.D. in Electrical & Electronics Engineering (specializing in Electrical Machine & Drives) from USM, a Master's degree in Science (focused on Electronic Engineering) from UPM, and a Bachelor of Engineering (Hons.) in Electrical and Electronics from UPM.

Throughout his career, Rezal has gained extensive knowledge and expertise in various areas, including Power Electronics, Electric Machine and Drives, and Magnetic Pulsed technologies. He is highly skilled in electrical system design, analysis, and optimization. Moreover, his research and practical experience have made him proficient in developing innovative solutions in the field of mechatronics, particularly in automotive applications.

Research Area: Electical Vehicle, Electric Machine, Magnetic Pulsed, Electrical and Electronics Circuit Design



TS. DR. NORRAMLEE B. MOHAMED NOOR

Dr. Norramlee, serving as a Senior Lecturer and Program Coordinator in Applied Electronics, possesses extensive experience in the fields of Electrical, Electronic, and Automation disciplines. With a Ph.D. in Electrical Power Engineering from UPM and a Master's degree in Engineering specializing in Electrical Power from UTM, Dr. Norramlee has developed a solid foundation in advanced electrical engineering principles. Additionally, he holds a Bachelor's degree in Engineering (Hons.) with a focus on Information Technology from OUM.

Dr. Norramlee specializes in Industrial Automation, particularly in Programmable Logic Controller (PLC) and Flexible Manufacturing Systems (FMS). His expertise also spans various areas within Electrical & Electronics Engineering, including power systems, control systems, and instrumentation. Furthermore, Dr. Norramlee demonstrates proficiency in Pneumatic & Hydraulic Systems, contributing to his comprehensive understanding of automation technologies.

Research area: Electrical Power Engineering & Electric Vehicle



TS. DR. ABDUL MALIK B. MOHD ALI

Ts. Dr. Abdul Malik is a Senior Lecturer in Electrical, Electronic, and Automation at UniKL MSI. He holds a Ph.D. in Electrical & Electronics Engineering from UniKL, a Master's degree in Electrical Engineering from UTHM, and a Bachelor's degree in Electrical Engineering (Hons.) from Staffordshire University, UK. His knowledge encompasses areas such as Low/High Voltage Power Electronic Systems, Medical Robotic Applications, Surface Biomedical Sensors, and Data Analysis & Processing.

His dedication to research and innovation has resulted in significant contributions towards advancing technological solutions across various industries. With his expertise and unwavering commitment, he continues to inspire students while making significant contributions in the field of Electrical, Electronic, and Automation Engineering.

Research Area: Low/High Voltage Power Electronic System, Medical Robotic Application, Surface Biomedical Sensor and Data Analysis & Processing



AMIR SHAUQEE B. ABDUL RAHMAN

Amir, a Senior Lecturer at UniKL MSI, has a broad background in Electrical, Electronic, and Automation disciplines. He holds a Master's degree in Science (Electronic) from USM and a Bachelor's degree in Engineering (Hons.) (Electrical & Electronics) from the same institution, which solidifies his expertise in engineering principles. He specializes in Micro Controller and Embedded System Design, particularly focusing on Microprocessor & Microcontroller technologies.

His proficiency extends to Embedded system design and the application of Sensors and transducers in industrial processes. With his extensive knowledge and practical experience, Amir significantly contributes to the advancement of research and education in Electrical, Electronic, and Automation engineering.

Research area: RFID, Wireless Sensor Network, Taste Sensing System, Wireless System Design, Remote Monitoring and Control System



SAHARUL B. AROF

Saharol is an experienced lecturer in the fields of Electrical, Electronics, and Automation. He obtained his Bachelor's degree in Technology (Mechatronics) from KUiTTHO and a Diploma in Industrial Electronics from GMI, establishing a strong foundation in engineering principles. In addition, Saharol holds a certificate in Automotive Engineering Technology from IMH Spain, demonstrating his commitment to continuous learning and professional development.

His main area of expertise is Automation and Control, and he has proficiency in various advanced technologies and tools such as Artificial Intelligence, RF communication, and Infrared communication with Microcontroller. He also has skills in MATLAB/Simulink for control system design, LabVIEW for data acquisition and analysis, and Microcontroller programming. With his expertise and experience, He is instrumental in shaping the future of Electrical, Electronics, and Automation engineering education and research.

Research Area: Automation and Control



MOHD FAUZI ALIAS

Mohd Fauzi Alias is an experienced Lecturer at UniKL MSI, with an impressive background in Electronic, Electric and Automation. He earned a Master in Science Electrical & Electronic with a specialization in PLC Automation, Electrical and Electronics from USM as well as a Degree in Bachelor in Engineering Electrical & Electronics from USM. Fauzi's expertise encompasses various areas including PLC Automation, Electrical and Electronics.

Research area: Automation, Image Processing and Machine Vision, Mobile Robot Vision System



ASSOC. PROF. DR. SHAHRIL NIZAM B. MOHAMED SOID

Assoc. Prof. Dr. Shahril Nizam B. Mohamed Soid is a Senior Lecturer and Program Coordinator for the Bachelor of Mechanical Engineering with Honours program. His strong engineering background includes a Ph.D. in Mechanical Engineering with a specialization in Biomass Energy Systems from USM, along with a Master of Sciences in Mechanical Engineering from the same institution. Shahril's expertise spans Energy Studies, Biomass Gasification, and Internal Combustion.

He imparts knowledge across a diverse range of courses, covering topics such as machine elements, Drawing & CAD, Dies, Mould & Fixtures, Safety, Process & Maintenance Management, CNC Programming (Milling), Internal Combustion Engine, Automotive Structure, and Engineering Drawing. With his extensive experience and specialized knowledge, Shahril makes significant contributions to the field of Mechanical Engineering, shaping the next generation of engineers through his dedication and expertise.

Research Area: Thermodynamic and Energy Studies



IR. MEGAT MOHD AMZARI B. MEGAT MOHD. ARIS

Ir. Megat Mohd Amzari is amongst UniKL MSI's experienced lecturer, that holds a Master's degree in Engineering (Manufacturing System) from Universiti Putra Malaysia (UPM) and a Bachelor's degree in Mechanical Engineering (Hons.) from Universiti Tun Hussein Onn Malaysia (UTHM). His expertise spans Metal Fabrication and Inspection (Static Equipment), including Pressure Vessels, Heat Exchangers, Boilers, Piping and Structures, and Non-Destructive Testing (NDT).

Research area: Welding and Joining



PROF. IR. TS. DR. ISHAK B. HAJI ABDUL AZID

Prof. Ir. Ts. Dr. Ishak bin Haji Abdul Azid is a Professor and Head of Section Engineering, holding a Doctorate in Structural Optimization from University of Wales, Cardiff, UK; a Masters in Science (Civil Engineering), from University of Wales, Cardiff, Sansea, UK, as well as a Bachelor in Science (Hons.) (Mechanical Engineering), from Clarkson Univeristy, USA. His specialized areas include Structural and Theraml Analysis, Finite Element Analysis, Engineering Optimiztion, Process Improvement.

Research Area: Process Improvement, Thermal Stress, FEA, Optimization, Automotive Technology



TS. DR. MUHAMMAD AL'HAPIS B. ABD RAZAK

Ts. Dr. Muhammad Al'Hapis, is a Senior Lecturer, brings extensive expertise in Engineering, holding a Doctorate in Mechanical Engineering from Universiti Teknologi Petronas (UTP), a Master's in Engineering Technology (Manufacturing) from UniKL IPROM, as well as a BET (Hons.) in Tool & Die and DET Production from UniKL MSI. His specialized areas include Machining Technology, Turret Punch, EDM, Operation Management, and Industrial Safety & Health.

Research area: Powder Mixed EDM, CNC Macro Programming, Industrial Safety



KAUTHAR BT. A RHAFFOR

Kauthar, a lecturer and Program Coordinator of BET in Manufacturing, brings a wealth of experience in the field. Holding a Master's in Science (Manufacturing) from USM and a Bachelor's in Technology (Hons.) (Quality Control & Instrumentation) from the same institution, Madam Kauthar specializes in Operation Management System and Occupational Safety & Health.

Research Area: Quality Management System and Occupational Safety & Health



SYED AHMAD FAIZ B. SYED MOHD

Syed Ahmad Faiz is a lecturer and Program Coordinator for DET in Production, possesses extensive expertise in Manufacturing. He earned a Master's in Sciences (Automotive Engineering) from UIAM and a Bachelor's in Engineering (Hons.) (Manufacturing System) from the University of Hertfordshire. Additionally, Syed holds a Diploma in Manufacturing Technology from POLIMAS and a Certification in Automotive Engineering Technology from IMH Spain. His specialized areas include Operation Management, Manufacturing Systems, and Machining & Fabrication Processes.

Research area: Traditional and Non-Traditional Machining Process, Manufacturing System Engineering



IR. TS. ZULKARNAIN B. ABDUL LATIFF

A Senior Lecturer with a vast background in Manufacturing. He holds a Master's in Engineering, specializing in Manufacturing Systems, from UPM, as well as a Master's in Science in Automotive Engineering from UIAM. Additionally, he obtained his Bachelor's in Engineering with Honors in Manufacturing Engineering from the University of Birmingham, UK, and is certified in Automotive Engineering Technology from IMH, Spain. Zulkarnain's proficiencies span across various domains including Product Design, Fundamental Machining Processes, Quality Control & Inspection, Rapid Prototyping, and CAD/CAM.

Research Area: Crashworthiness, Ergonomics, Accident Engineering



AZNIZAM B. ABDULLAH

Aznizam B. Abdullah, a Senior Lecturer at UniKL MSI, possesses an extensive background in Manufacturing. He earned his Master's in Engineering with a focus on Manufacturing from UTeM and a Bachelor's in Engineering with Honors in Quality Control & Instrumentation from USM. Aznizam's expertise lies in CAD, Robotics (WMR), Machine Design, and Assembly, reflecting his specialized knowledge in these areas.

Research area: Wheel Mobile Robot, Obd-li Applications, Machine Design and Development



MOHD ZAKI B. AB RAZAK

Mohd Zaki B. Ab Razak, a dedicated Senior Lecturer known for his expertise in the Manufacturing department. He holds a Master's in Engineering, specializing in Manufacturing Systems, from UPM, and a Bachelor's with Honors in Mechanical Engineering from USM. Additionally, he is certified in Automotive Engineering Technology from IMH, Spain. Zaki's proficiency encompasses Tool & Die Design and Fabrication, CNC Machining, and CAD/CAM. With extensive experience and a focus on specialized areas, he brings valuable insights and knowledge to his role as a Senior Lecturer.

Research Area: Tool & Die Design and Fabrication, Manufacturing System Engineering



SHAHRUZAMAN B. SULAIMAN

Shahruzaman Sulaiman, an well known Senior Lecturer at UniKL MSI, is recognized as one of our foremost experts in Manufacturing. With a Master of Sciences in Automotive Engineering from UIAM and a Bachelor of Technology with Honors in Manufacturing from UTHM, Shahruzaman brings a wealth of knowledge to his role. Additionally, he holds a Diploma in Tool & Die Technology from GMI and a certification in Automotive Engineering Technology from IMH, Spain.

His expertise extends predominantly to CNC Machining, Electro Discharge Machining, Mould & Die, and CAD/CAM. Notably, he has played an important role in training professionals from both industry and government agencies, particularly in CNC machining areas, further solidifying his reputation as a leader in the field.

Research area: Optimum Cutting Tool in High, Speed Machining, Machining Performance in Electrical, Discharge Machining (EDM)



SITI LYDIA BT. RAHIM

Siti Lydia Rahim is a lecturer at UniKL MSI, very much loved by our students for her exceptional teaching at UniKL MSI. With a Master's in Engineering specializing in Manufacturing Systems from UPM and a Bachelor's with Honors in Design Manufacturing from UTeM, Lydia possesses a solid educational foundation. Furthermore, she holds a Diploma in Manufacturing Technology from Kusza, further enhancing her expertise. Lydia's specialization encompasses Design and Fabrication, CNC Machining, and Rapid Prototyping, areas in which she excels. I

In addition to her outstanding academic credentials, Lydia has extensive experience in training the public in the field, further highlighting her dedication and proficiency in manufacturing education and outreach.

Research Area: Additive Manufacturing



NOORHELINAHANI BT. ABU BAKAR

Noorhelinahani Bt. Abu Bakar is a dedicated Lecturer and Programme Coordinator for the DET in Mechanical Design & Development at UniKL MSI, with a vast experience in Mechanical Engineering. She holds a Master's in Science in Energy Systems & The Environment from Strathclyde University, UK, and a Bachelor's with Honors in Mechanical Engineering from USM, underscoring her strong academic background.

Noorhelinahani's areas of expertise lie in Thermal Fluid and Metrology, where she demonstrates exceptional proficiency and knowledge. In addition to her role as a lecturer and programme coordinator, she has recently been actively involved as one of the trainers for our short course programs. This involvement further highlights her commitment to providing practical and valuable training to students and professionals in the field of mechanical engineering.

Research area: Renewable Energy (Biomass)



DR. SHARMIWATI BT. MOHAMMED SHARIF

Dr. Sharmiwati Bt. Mohammed Sharif is a distinguished Senior Lecturer and CWAL Coordinator at UniKL MSI, bringing extensive expertise in the field of Mechanical Engineering. She holds a Ph.D. in Engineering with a focus on Advanced Materials from USM, a Master's in Science in Material Science from UPM, and a Bachelor's with Honors in Material Science from UPM.

Dr. Sharmiwati is a specialist in Material Science, showcasing a profound understanding of the subject. In addition to her academic roles, she has recently been actively contributing as one of the trainers for our short course programs. This involvement emphasizes her commitment to imparting practical knowledge and valuable insights to students and professionals in the realm of mechanical engineering.

Research Area: Ceramic Technology, Porous Materials



MOHAMAD SHUKRI B. MOHD ZAIN

Mohamad Shukri B. Mohd Zain is a Senior Lecturer and Head of Workshop at UniKL MSI, with a rich background in Mechanical Engineering. He earned his Master's in Engineering with a focus on Manufacturing Systems from UPM and a Bachelor's with Honors in Mechanical Engineering from UTM, reflecting his strong academic foundation. Shukri's expertise lies in several key areas within Mechanical Engineering, with a specialization that includes Design Development, Automotive Testing & Prototyping, as well as Automotive Standards and Compliance.

In addition to his academic duties, Shukri has been actively involved in teaching short course programs tailored for clients who are automotive business owners. This experience not only demonstrates his dedication to sharing knowledge but also highlights his practical approach in addressing the specific needs of industry professionals in the automotive sector.

Research area: Internal Combustion Engine & Applied Mechanics



FAZIDAH BT. SAAD

Fazidah, a Senior Lecturer in Mechanical Engineering, brings years of experience to her role. She holds a Master's in Science in Automotive Engineering from UIAM and a Bachelor's with Honors in Mechanical Engineering from USM. Additionally, she is certified in Automotive Engineering Technology from IMH Spain, further enhancing her credentials. Fazidah's expertise spans across various domains, with a specialization in CAD, Design and Development, and Automotive Engineering.

Her understanding of these subjects underscores her proficiency in Mechanical Engineering. In addition to her academic responsibilities, Fazidah actively engages in teaching short course programs tailored for ACE's clients, particularly focusing on CAD/CAM. This experience highlights her commitment to sharing knowledge and empowering industry professionals with practical skills relevant to their fields.

Research Area: Finite Element Analysis, Sound and Vibrations, Automotive Engineering



DR. MOHAMAD SABRI B. MOHAMAD SIDIK

Dr. Sabri, an experienced Senior Lecturer in Mechanical Engineering, brings a wealth of knowledge to his role. Holding a Ph.D. in Mechanical Engineering from UniKL and a Master's in Engineering specializing in Manufacturing Systems from UPM, Sabri has a strong academic background. Additionally, he earned his Bachelor's with Honors in Mechanical Engineering from USM, further enhancing his credentials. Sabri's expertise lies in the specialized field of Quantum and Molecular Computational, showcasing his advanced understanding and innovative approach within Mechanical Engineering.

Research area: Metal-Air Battery

W FARADINA BT. W MAIDIN

Wan Faradiana, an enthusiastic Lecturer with a diverse background in Mechanical Engineering. Armed with a Master's in Engineering focusing on Manufacturing Systems from UPM and a Bachelor's with Honors in Manufacturing & Management from USM. Faradiana's expertise is firmly rooted in Metrology and Manufacturing Systems, where she navigates the complicated precision and efficiency with much skill. With Faradiana at the helm, the world of Mechanical Engineering becomes a playground of innovation and precision, where every measurement and system design holds the promise of unlocking new possibilities.

Research Area: Manufacturing System, Occupational Safety and Health



ZAINAL NAZRI B. MOHD YUSOF

Zainal Nazri, a dedicated Lecturer in Mechanical Engineering with a robust academic background. He holds a Master's in Science in Mechanical Engineering from USM and a Bachelor's with Honors in the same field. Zainal specializes in Structural Analysis, Vibration, and Welding Technology, areas crucial for enhancing efficiency and precision in corporate settings. With his expertise, he brings a blend of academic rigor and practical insight to the realm of mechanical engineering, helping organizations navigate complex challenges with confidence and innovation.

Research area: Structural (Static and Dynamic)

MOHD FAIZAL B. ABU TALIB

Mohd Faizal B. Abu Talib, a lecturer specializing in Mechanical Engineering. He holds a Bachelor's with Honors in Automotive-Mechanical Engineering from UIAM and a Higher National Diploma (HND) in Mechanical Engineering from CCTA, UK. Additionally, Faizal is certified in Automotive Engineering Technology from IMH Spain. His expertise spans across Dimensional Metrology, Metrology Calibration, Manufacturing Processes, and Welding Technology. With a solid academic foundation and practical experience, Faizal brings valuable insights to the field of Mechanical Engineering, fostering a professional environment conducive to learning and growth.

Research Area: Manufacturing Design and Fabrication



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 CERTIFICATION

Enhance your employees' credibility by acquiring certifications to stand out in a highly competitive market. An additional qualification not only adds substantial weight to your company's portfolio but also strengthens your team's capabilities when presenting them to clients. These certifications, endorsed by reputable organizations, adhere to stringent industry-specific standards. They guarantee professional training and expertise, providing a mark of assurance in your skills.

By investing in accredited certifications, you not only distinguish yourself in a crowded professional landscape but also demonstrate a commitment to maintaining and upholding the highest standards of competence. This strategic approach not only elevates your individual standing but also reinforces the reputation of your team, making you more compelling and trustworthy in the eyes of potential clients.

AWARDING BODIES

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

CONSULTANCY SERVICES

Our goal is to pinpoint potential areas of enhancement within your business and furnish suggestions to help you achieve your objectives. We collaborate directly with you to address your business needs and tailor our approach to meet your unique requirements. This involves a hands-on partnership where we work closely with you, leveraging our professionals' extensive experience across various fields. Whether you're seeking academic insights or practical industry know-how, our team is dedicated to providing tailored recommendations that align with your business goals.



PROGRAMME COLLABORATION

UniKL fosters collaboration via franchising, allowing partners access to our courses with UniKL certification. Emphasizing consistency and quality, this partnership encourages institutions to unite for mutual advantages, including heightened student enrollment, enhanced institutional reputation, and development opportunities for academic staff. UniKL actively seeks dynamic partnerships to achieve shared success.



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

- 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
- 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
- PCB Design and Fabrication
- Basic 3D Scanner
- Basic Electrical and Electronics Troubleshooting
- Genetics Algorithm for Optimization of Engineering Process with MATLAB/Simulink
- Photovoltaic Systems for Automotive
- IOT for Mechatronics

Manufacturing

- Conventional Lathe & Basic CNC Machining
- Advanced Conventional Turning (Lathe)
- 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)
- Wire-Cut with Master Cam
- 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)
- CNC Milling, Tool Selection and Optimization

Mechanical

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

Industrial Organization & Safety

- TQM Awareness
- 5S Practices at Workplace
- ISO 9001 QMS
- 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
- Data Science Statistics
- Introduction to Data Science
- Advanced Microsoft Excel Programming

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

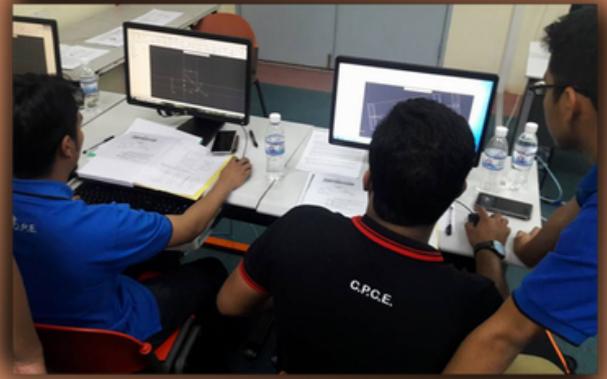
Certificate of Competency

- SMCT-1 PLC Programming (Professional 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)
- PCMP Level 1 (Stamping Elements)
- PCMP Level 2 (Soft Tool Elements)
- PCMP Level 3 (Welding Elements)
- PCMP Level 4 (Powder Coating Elements)
- PCMP Level 5 (IPE)
- PCMP Level 6 (Machining & Turning)

Our Proven track record

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 Parametric 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 ControlClient: 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

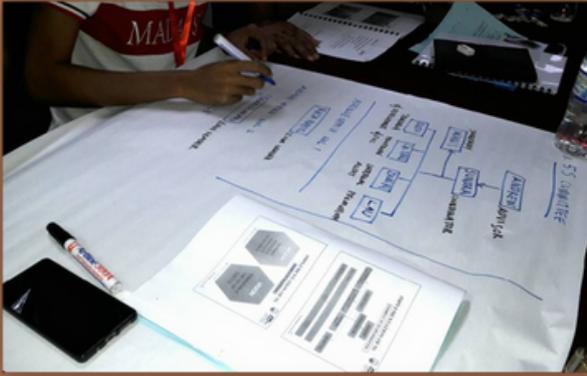


Creo Parametric 2.0



5S Practices at The Workplace

2016



5S Practices at The Workplace

- 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



Industrial Management



Training for Kolej Vokasional

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

- **EDM Wirecut & Die Sinking**
 - 3, 10, 17 & 24 August 2016
 - 7 & 21 September 2016

Client: Kolej Vokasional Krian

- **Programmable Logic Controller (OMRON)**
(22nd – 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** (2nd 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** (22nd – 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 2018Client: 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 Motor 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 & Maintenance** (23rd - 25th April 2019)
Client: PUSMA Perlis
- **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 Communication (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 & Maintenance** (21th - 23th December 2019)
Client: PUSMA Perlis
- **Statistics for Electronic Product Manufacturing** (26th – 28th December 2019)
Client: Institut Kemahiran MARA Johor



Statistics for Electronic Product Manufacturing



Statistics for Electronic Product Manufacturing

2020



Reskilling Mastercam X5

- **Smart Manufacturing** (9th – 10th January 2020)
Client: Premium Solutions SDN BHD
- **Intermediate and Advanced Mastercam** (20th - 22nd July 2020)
Client: 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



Reskilling Mastercam X5

- **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



Implementation of “Electronic Testing”

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



Continuously Variable Transmission

- **Professional Certificate in Mechanical Engineering (PCIME)**
 - Module 1: Stamping Elements
G1: 26,27 May 2022
G2: 2, 3 June 2022
 - 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
- **Continuously Variable Transmission** (24th – 26th May 2022)
Client: PUSMA Terengganu
- **High Impact Presentation for Instructors** (5th - 7th July 2022)
Client: GIATMARA
- **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

2023



SMCT 1 Programmable Logic Controller Training



Professional Certificate in RFID Electrical System

- **SMCT 1 Programmable Logic Controller Training**
(20th – 23th June 2023)
Client: Kolej Vokasional Rompin
- **CVT Gearbox Transmission** (20th – 22 June 2023)
Client: Automotive Business Owners
- **Robotic Control System with Microcontroller** (4th – 7th July 2023)
Client: IKTBN
- **Professional Certification in Applied Manufacturing (CNC Technology)**
Client: JABIL
- **Professional Certification in Intelligence EOL using AI Application for Automotive Industry**
Client: Menang Nusantara SDN BHD
- **Professional Certificate in RFID Electrical System for Smart Manufacturing Application**
Client: Smartrac Technology (M) Sdn Bhd

2023

- **Design Electronic Circuits Using NI Multism**
(3-5 October 2023)
Client: IKM Seberang Perai
- **PCB Design Using Proteus Software**
(23-24 October 2023)
Client: Kolej Vokasional Perai



PCB Design



Professional Certificate in Mechanical Engineering (PCIME)

- **Professional Certificate in Mechanical Engineering (PCIME)**
 - Module 1: Stamping Elements
12-13 July 2023
 - Module 2: Soft Tool Elements
16-18 August 2023
 - Module 3: Welding Elements
12-13 September 2023
 - Module 4: Powder Coating Elements
10-11 October 2023
 - Module 5: IPE
14-15 November 2023
 - Module 6: Machining & Turning
11 December 2023Client: Flextronics Malaysia SDN BHD



Professional Certificate in Mechanical Engineering (PCIME)

WELDING TRED 3G GTAW ALUMINUM, GTAW STAINLESS STEEL, & 6G SMAW CARBON STEEL (WQT WELDER QUALIFICATION TEST)



(7th – 13th March 2022)

As one of the most highly coveted professions, welders with their valuable skills and extensive expertise are in global demand, commanding high salaries. Recognizing the pivotal role welders play in various industries, we have partnered with SIRIM to offer an on-campus Welder Qualification Test (WQT).



PROFESSIONAL CERTIFICATE IN MECHANICAL ENGINEERING



We've tailored the Professional Certification in Mechanical Engineering program exclusively for Flex participants. Our approach involves on-site training at Flex facilities, featuring our subject matter experts who collaborate to enhance both employee skills and company productivity. This unique program combines classroom presentations with practical sessions at UniKL the following day.

It offers concise modules and learner-centered classes, enabling students to engage in hands-on welding experiences on campus.



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flex

PROFESSIONAL CERTIFICATE IN SMCT PLC-1 by SMC INTERNATIONAL



(15th – 18th August 2022)

Attendees from all corners of Malaysia gathered for our pioneering program in partnership with SMC International Training. The training took place in a specialized facility, with modules thoughtfully customized to suit the specific demands of diverse industries. Our team of certified trainers provided personalized guidance to these 20 participants, conducting assessments before granting them their Certificate of Competency.

In the northern region, UniKL MSI proudly stands as the exclusive university with certified SMC trainers for the Professional Certificate in SMCT PLC1.



20th May 2023

PARTICIPANTS: Operators

FEES: NCER (ATMP GRANT) – (collaboration between academia & industry in the Northern Region)

No of Participants: **BATCH 01: 25 PAX,**

Duration: 3 months, **MODULES:** Customize towards industry's requirements

UniKL MSI's collaboration with Jabil in delivering the Professional Certificate in CNC Machining for Jabil's operators is an exceptional success story. This partnership aimed at enhancing the skill set of Jabil's operators yielded outstanding results, with participants gaining in-depth knowledge of CNC machining principles, programming, and practical application.

Jabil's commitment to upskilling its workforce through our tailored program showcases their dedication to workforce development and innovation. This collaboration serves as a testament to UniKL MSI's expertise in delivering targeted training solutions, and we are proud to have been a part of Jabil's journey toward achieving a highly skilled and competitive workforce.

PROFESSIONAL CERTIFICATE IN INTELLIGENCE EOL USING AI APPLICATION FOR AUTOMOTIVE INDUSTRY



Professional Certification in Intelligence EOL Using AI Application, a program designed exclusively for Menang Nusantara Sdn Bhd employees. In partnership with ACE UniKL MSI, this specialized program is tailored to equip them with essential skills in Intelligence EOL using AI applications. Our comprehensive program includes a blend of theoretical knowledge and hands-on experience. Participants were exposed to cutting-edge AI applications, understanding their role in optimizing EOL operations, and gaining the expertise necessary to drive efficiency and innovation within your organization.



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PROFESSIONAL CERTIFICATE IN RFID TECHNOLOGY



ACE
ADVANCEMENT AND
CONTINUING EDUCATION

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KUALA LUMPUR

AVERY DENNISON

PARTICIPANTS: Operators
FEES: NCER (ATMP GRANT)
No of Participants:
BATCH 01: 50 PAX
Duration: 3 months (per group)
MODULES: Customize towards industry's requirements

**Professional Certification in RFID Electrical System
for Smart Manufacturing Application**

We've personalized Professional Certification in RFID Electrical System for Smart Manufacturing Program for Smartrac Technology Sdn Bhd's employees. Our program offers on-site training with our RFID experts, optimizing both individuals and company productivity. Sessions blend on-site classroom presentations with practical hands-on experiences at client's facilities and UniKL MSI. The program includes concise modules and learner-centered classes, allowing participants to engage in immersive RFID technology applications.



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