

MALAYSIAN INSTITUTE OF TECHNOLOGY ACADEMY®

WE ENGINEER
YOUR FUTURE



Claimable
Under
SBL Scheme

IIOT, INDUSTRY 4.0

SBL CLAIMABLE PROGRAMMES

Licensed / Authorised by:



Technology partner:



Accredited by:



LIST OF

SBL IIOT PROGRAMMES

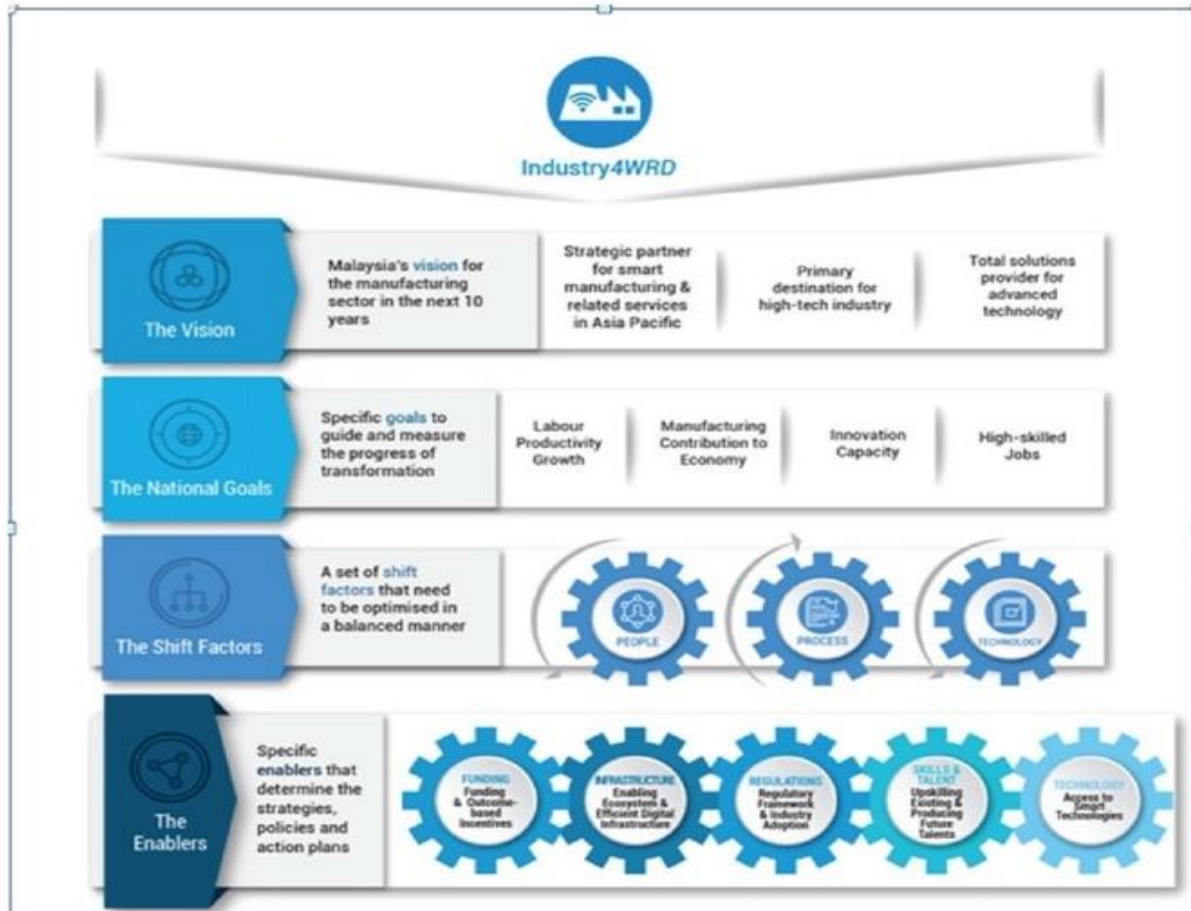
No	Programme	Training Programme & Courses	No of days	Price (RM)
1	 Rexroth Bosch Group BOSCH REXROTH mMS4.0 & IoT	Modular Mechatronic System (mMS4.0 BOSCH REXROTH) Part 1	3	3,897
		Modular Mechatronic System (mMS4.0 BOSCH REXROTH) Part 2	3	3,897
		Industry Revolution 4.0 with Modular Mechatronic System (mMS4.0 BOSCH REXROTH) Part 3	4	5,196
		BOSCH REXROTH -Full Licensed Training Center Certification (Completion of 3 Programme)	10	9,990
2	 Rexroth Bosch Group ELECTRO HYDRAULIC 4.0 & IoT	Fundamental Principle of Fluid Power (Bosch Rexroth DS4 Electro-Hydraulic)	3	3,897
		Intermediate Principle of Electro-Hydraulic (Bosch Rexroth DS4 Electro-Hydraulic)	3	3,897
		Indrawork Programming IoT Gateway with Bosch Rexroth Electro-Hydraulic	4	5,196
		BOSCH REXROTH -Full Licensed Training Center Certification (Completion of 3 Programme)	10	9,990
3	 FANUC FANUC ROBOTIC 4.0 & IoT	FANUC – Robot Programming aAnd Operation (Fundamental Level)	3	3,897
		FANUC – HandlingPRO ROBOGUIDE Simulation (Intermediate Level)	3	3,897
		FANUC – Robotics Industrial Internet of Things (IIOT) with MTLINKi (Advance Level)	4	5,196
		FANUC –Full Technology Partner Certification (Completion of 3 Programme)	10	9,990
4	 OMRON OMRON 4.0 & IoT CLOUD	OMRON Plc Programming: CP1I With CX Programmer – (Beginner Level)	3	3,897
		PLC Programming For Meclab Automation System – (Intermediate Level)	3	3,897
		Omron Plc Programming for lot With Ms Azure – (Advance Level)	4	5,196
		OMRON - Full Licensed Training Center Certification (Completion of 3 Programme)	10	9,990
5	 AUTODESK Authorised Training Centre Certification Center AUTODESK INVENTOR WITH ADDITIVE MANUFACTURING	Autodesk Inventor Essential with 3D Printing	5	6,495
		Autodesk Inventor Professional with 3D Printing	5	6,495
		Autodesk Inventor Full Accredited Training Certificate (Completion of 2 Programs)	10	9,990
6	 City & Guilds SKILLS PROFICIENCY CERTIFICATE	City & Guilds Skills Proficiency Certificate (Metal Machining) 3529-09	5	6,495

SMART MANUFACTURING INDUSTRY 4.0 MALAYSIA covers nine pillars :-

- Autonomous robots - provides a wide range of services to become more autonomous, flexible, and cooperative, working safely with humans term "cobotics"
- Simulation - 3D simulation of product development, material development and production for real-time data to mirror the physical world in a virtual model.
- Horizontal and vertical system integration - Industry 4.0, the entire organisation will be interconnected.
- The Industrial Internet of Things - all products incorporates intelligence using standard protocols, decentralising analytics and decision-making for real-time responses
- Cybersecurity - Protecting information systems and manufacturing lines from cybercrime threats is a critical issue with sophisticated identity and machine access management systems.
- The Cloud - Industry 4.0 requires more data sharing across sites and companies fostering the development of Manufacturing Execution Systems (MES) based on cloud data.
- Additive manufacturing - Companies adopts 3D printing for prototyping and unit production for high performance in producing small batches of customised products.
- Augmented reality - Augmented-reality tools will pave new services providing real-time information for faster decision-making.
- Big data and analytics – With massive sets of untapped data, their analysis will optimise production quality, save energy permitting real-time decision-making.

Industry4WRD

National Policy on Industry 4.0 was launched on 31 October 2018 to drive digital transformation of the manufacturing and related services sectors in Malaysia. The Policy's framework is as follows:



Source: <https://www.miti.gov.my/index.php/pages/view/industry4WRD?mid=559>

MITI Industry4WRD Readiness Assessment

ASSESSMENT CRITERIA

3 SHIFT FACTORS

8 THRUSTS

21 DIMENSIONS

1:14 / 1:55

TARGET AUDIENCE : IoT to have 75 billion 'connected' devices by 2025.

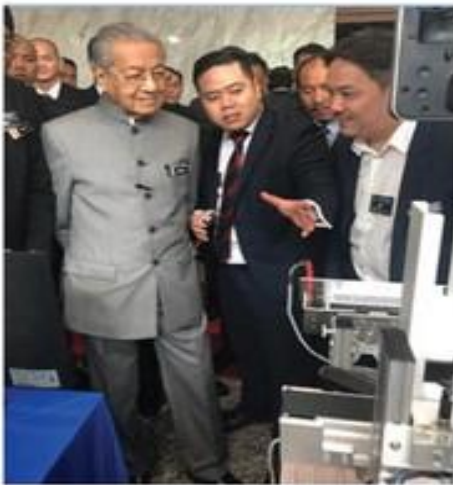
Target Group - Engineers, Technologist, Senior Executives, Managers, Senior Managers, General Managers, IT executives, Professionals, Technicians.

[COURSE DETAILS](#)

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Picture taken during Tun Mahathir Mohamad with CEO of Malaysian Institute of Technology Academy at [Launching Ceremony National Policy On Industry 4.0](#) on 31 October 2018



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