


Part-time / Post Diploma Courses

S/N	Course Titles	Course start Dates	Duration
1	Diploma in Engineering (Advanced Manufacturing)	April and October every year	2.5 years
2	Diploma in Engineering (Aerospace)		2.5 years
3	Diploma in Engineering (Mechanical Technology)		2.5 years
4	Diploma in Engineering (Mechanical- Rapid Transit Technology)		2.5 years
5	Specialist Diploma in Air-Conditioning & Energy Sustainability		1 year
6	Specialist Diploma in Aviation Management (Air Cargo)		1 year
7	Specialist Diploma In Robotics & Automation (Robotics Application)		1 year
8	Work-Study Certificates leading to Diploma in Engineering (Mechanical – Rapid Transit Technology)		18 months
9	Work-Study Certificates leading to Diploma in Engineering (Advanced Manufacturing)		12 months
10	Work-Study Certificates leading to Diploma in Engineering (Aerospace)		12 months

For any enquires or corporate runs, please contact:

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MOE and Short Courses (Jun to Oct 2024)



Short Courses			
S/N	Course Titles	Course start Dates	Duration (hrs)
1	Additive Manufacturing Professional Certificate Course	12th Aug	56
2	Advanced Manufacturing (i4.0) Learning Journey	5th Jul	7
3	Advanced Manufacturing Lead – AMLead	-	40
4	Advanced Revit MEP Modelling	21st Aug	28
5	Application of Robotics	-	8
6	Applying Lean – Identifying and Quantifying Bottlenecks with TAKT	11th Sept	24
7	AutoCAD 2020 Basics (2D & 3D)	24th Jun, 25th Jun, 30th Sep	36
8	AutoCAD 2D – Intermediate	12th Aug	21
9	Autodesk Navisworks for MEP BIM Project Collaboration	16th Oct	30
10	Autonomous Mobile Robots (AMR) Implementation and Applications	-	16
11	Basic manual wheelchair maintenance	-	40
12	Build your own Herb Garden Using Re-purposed Items	-	7
13	Computational BIM for MEP Projects using Revit Dynamo	-	30
14	Data-driven Connected Hydraulics in Advanced Manufacturing*	-	16
15	Discover Fusion 360 (Basics)	-	24
16	Embarking Industry 4.0 with LEAN - Value-Stream Mapping	26th Jun	24
17	Essentials of 3D Modelling and Drawing with Autodesk Inventor	-	24
18	Essentials of Basic Networking, Database and Web Applications for Advanced Manufacturing*	-	8
19	Essentials of Computer-Aided Manufacturing Using SolidCAM	-	40
20	Excel Visual Basic for Applications (VBA) for Industrial Automation	-	16
21	Experiential Pilot Training with Flight Simulator	19th Jun, 19th Aug	32
22	Human Factors for Aviation Maintenance	-	45
23	I4.0 Learning Journey with SIRI	-	7
24	Implementing Automation Technologies in Smart Factory*	-	16
25	Industry 4.0 for Advanced Manufacturing with Industry Application*	-	8
26	Industry Specialist AHK i4.0*	-	80
27	Introduction to Open Platform Communications Unified Architecture (OPC UA)*	-	8
28	Introduction to Structural Simulations using Solidworks Simulations	-	26
29	Machine Condition Monitoring Using Python Open Platform Communication (OPC)	-	24
30	Machine Learning Using ChatGPT for Manufacturing Industry	19th Jun	16
31	Machine Monitoring Dashboard With Node-Rules Engine and Dataflow (Node-RED)	-	24
32	Microsoft App Development with PowerApps^	-	16
33	No-code Robotics with 3D Vision and AI for industrial Robotics Applications^	-	32
34	Power BI for Smart Manufacturing	-	16

Short Courses			
S/N	Course Titles	Course start Dates	Duration (hrs)
35	Practical Applications of Condition Monitoring for Industry 4.0*	-	24
36	Practical approach of open software controllers in advanced manufacturing*	-	16
37	Private Pilot License Ground School Training Course (Introduction)	15th Jul, 12th Aug, 16th Sept	36
38	Revit MEP Modelling	16th Sep	40
39	Safety Course for Additive Manufacturing Professionals^	-	24
40	SolidWorks - 3D Modelling and Drawing	1st Jul, 22nd Jul	32
41	SolidWorks - Assembly Mastery	-	16
42	SolidWorks - Complex Part Design Engineering	-	16
43	SolidWorks: Sheet Metal and Weld structures	12th Aug, 10th Sep	32
44	STAR for Additive Manufacturing	-	80
45	Structural Analysis using ANSYS FEA for Engineering Applications	-	24
46	Sustainability Roadmap Implementation for Manufacturing Industry^	-	15
47	Understanding the Importance of Sustainability (Mandarin)^	-	7
48	Vibration Analysis using ANSYS FEA and Vibration Measurement for Engineering Applications	-	16

* In collaboration with Bosch Rexroth 
 ^ New courses launched/to be launched this year
 " Tentative dates

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