MOE and Short Courses (Jan to Jun 2024)

S/N	Course Titles	Course start Dates	Duration (hrs)
	Short Courses		
1	Additive Manufacturing Professional Certificate Course	15th April	56
2	AutoCAD 2D – Intermediate	-	21
3	Advanced Manufacturing (i4.0) Learning Journey	1st Mar	7
4	Advanced Manufacturing Lead – AMLead	12th May	40
5	Advanced Power BI for Business Intelligence and Data Analytics with Visualizations^	-	16
6	Advanced Revit MEP Modelling	-	28
7	Application of Robotics	-	8
8	Applying Lean – Identifying and Quantifying Bottlenecks with TAKT^	-	24
9	AutoCAD 2020 Basics (2D & 3D)	4th Mar, 1st Apr, 15th Apr, 16th Apr	36
10	Autodesk Navisworks for MEP BIM Project Collaboration	-	30
11	Automated Data Analysis and Visualization in Excel with Python^	-	16
12	Autonomous Mobile Robots (AMR) Implementation and Applications	-	16
13	Basic manual wheelchair maintenance	-	40
14	Computational BIM for MEP Projects using Revit Dynamo	-	30
15	Data-driven Connected Hydraulics in Advanced Manufacturing*	-	16
16	Discover Fusion 360 (Basics)^	-	24
17	Embarking Industry 4.0 with LEAN - Value-Stream Mapping	-	24
18	Essentials of 3D Modelling and Drawing with Autodesk Inventor	-	24
19	Essentials of Basic Networking, Database and Web Applications for Advanced Manufacturing*	25th Sep	8
20	Essentials of Computer-Aided Manufacturing Using SolidCAM	-	40
21	Experiential Pilot Training with Flight Simulator	29th Jan, 26th Feb	32
22	Growing Your Own Hydroponics Edibles^	-	7
23	Human Factors for Aviation Maintenance^	-	45
24	I4.0 Learning Journey with SIRI	-	7
25	Implementing Automation Technologies in Smart Factory*	-	16
26	Industry 4.0 for Advanced Manufacturing with Industry Application*	-	8
27	Industry Specialist AHK i4.0*	-	80
28	Introduction to Open Platform Communications Unified Architecture (OPC UA)*	-	8
29	Introduction to Structural Simulations using Solidworks Simulations	4th Mar	26
30	Machine Condition Monitoring Using Python Open Platform Communication (OPC)	-	24
31	Machine Monitoring Dashboard With Node-Rules Engine and Dataflow (Node-RED)^	10th June "	24
32	Machine Learning Using ChatGPT for Manufacturing Industry^	-	16
33	Practical Applications of Condition Monitoring for Industry 4.0*	-	24

Short Courses			
S/N	Course Titles	Course start Dates	Duration (hrs)
34	Practical approach of open software controllers in advanced manufacturing*	-	16
35	Private Pilot License Ground School Training Course (Introduction)	5th Feb, 18th Mar	36
36	Revit MEP Modelling	-	40
37	SolidWorks – 3D Modelling and Drawing	19th Feb	32
38	SolidWorks: Sheet Metal and Weld structures	9th April "	32
39	STAR for Additive Manufacturing	-	80
40	Structural Analysis using ANSYS FEA for Engineering Applications	-	24
41	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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A Bosch Company

For more information:

Part-Time / Post Diploma Courses

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 (Advanced 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

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For more information: