

GMI SHORT TERM COURSE 2020

ELECTRICAL ENGINEERING DEPARTMENT				DATE – 2020								
AUTOMATION & MECHATRONICS TECHNOLOGY TRAINING PROGRAM			DURATION (DAYS)	COURSE FEE PER PAX (RM)	JANUARY - MARCH		APRIL - JUNE		JULY – SEPTEMBER		OCTOBER – DECEMBER	
1.	SOLIDWORKS – BASIC COURSE	5	2500	6 – 10/01			15 – 19/06	13 – 17/07		12 – 16/10		
2.	HYDRAULICS TECHNOLOGY	4	2000		3 – 6/02	6 – 9/04			24 – 27/08		16 – 19/11	
3.	PNEUMATICS TECHNOLOGY	4	2000	20 – 23/01			8 – 11/06	27 – 30/07		19 – 22/10		
4.	PROGRAMMABLE LOGIC CONTROLLER: BASIC PROGRAMMING	3	1650	20 – 22/01			22 – 24/06		17 – 19/08		9 – 11/11	
5.	PROGRAMMABLE LOGIC CONTROLLER: ADVANCE PROGRAMMING	3	1650		3 – 5/02	20 – 22/04		20 – 22/07		26 – 28/10		
6.	ELECTRICAL MOTOR OPERATION AND TROUBLESHOOTING	4	2000	20 – 23/01		6 – 9/04			24 – 27/08		19 – 20/10	
7.	MECHATRONICS SYSTEM TROUBLESHOOTING	3	2000	20 – 22/01			22 – 24/06	6 – 8/07		12 – 14/10		
8.	FUNDAMENTAL OF INDUSTRIAL ROBOTICS	3	1650		3 – 5/02	20 – 22/04			3 – 5/08		16 – 18/11	
9.	INDUSTRIAL ROBOTICS SIMULATION AND PROGRAMMING	4	2000		3 – 6/02		8 – 11/06	13 – 16/07		19 – 22/10		
10.	S7-1200 PLC FOR BEGINNERS	3	1500	20 – 22/01			22 – 24/06		17 – 19/08		9 – 11/11	
11.	PROPORTIONAL HYDRAULIC TECHNOLOGY	3	2000		3 – 5/02	6 – 8/04		20 – 22/07		26 – 28/10		

ELECTRICAL ENGINEERING DEPARTMENT				DATE – 2020								
AUTOMATION AND IOT TRAINING PROGRAM			DURATION (DAYS)	COURSE FEE PER PAX (RM)	JANUARY - MARCH		APRIL - JUNE		JULY – SEPTEMBER		OCTOBER – DECEMBER	
12.	BRINGING AUTOMATION TO YOUR PRODUCTION LINE	5	2500	6 – 10/01			15 – 19/06		10 – 14/08		16 – 20/11	
13.	IOT APPLICATION USING WIRELESS SENSOR NETWORK	5	2500		3 – 7/02		22 – 26/06	20 – 24/07		19 – 23/10		
14.	IOT APPLICATION WITH MICROCONTROLLER	5	2000	6 – 10/01			15 – 19/06		10 – 14/08		16 – 20/11	
15.	IOT_APPLICATION_USING_PLC_BRIEF	3	1600		3 – 5/02		22 – 24/06	6 – 8/07		12 – 14/10		
16.	MACHINE VISION COURSE INFORMATION	4	2000	20 – 23/01		6 – 9/04			24 – 27/08		19 – 20/10	
17.	MECHATRONICS (ASSEMBLY, TESTING AND COMMISSIONING)	3	1800		3 – 5/02		20 – 22/06	20 – 22/07		19 – 21/10		

GMI SHORT TERM COURSE 2020

ELECTRICAL ENGINEERING DEPARTMENT				DATE – 2020							
COMPUTER & NETWORK TECHNOLOGY TRAINING PROGRAM		DURATION (DAYS)	COURSE FEE PER PAX (RM)	JANUARY - MARCH		APRIL - JUNE		JULY – SEPTEMBER		OCTOBER – DECEMBER	
18.	LINUX SYSTEM ADMINISTRATION	5	2500	6 – 10/01		22 – 26/06		20 – 24/07		19 – 23/10	
19.	LINUX NETWORK ADMINISTRATION	5	2500		3 – 7/02		15 – 19/06		10 – 14/08		16 – 20/11
20.	COMPUTER & OFFICE AUTOMATION	5	2000	6 – 10/01		22 – 26/06		20 – 24/07		19 – 23/10	
21.	DYNAMIC WEB PROGRAMMING (INTRODUCTION TO PHP)	3	1600		3 – 5/02		22 – 24/06		17 – 19/08		9 – 11/11
22.	INTERCONNECTING NETWORK DEVICES	4	2000	20 – 23/01		6 – 9/04		13 – 16/07		19 – 22/10	
23.	NETWORK VULNERABILITY & PENETRATION TESTING	3	1800		3 – 5/02		15 – 17/06		3 – 5/08		16 – 18/11
24.	SECURED NETWORK DESIGN	5	2500	6 – 10/01			15 – 19/06		13 – 17/07		12 – 16/10

ELECTRICAL ENGINEERING DEPARTMENT				DATE – 2020							
INSTRUMENTATION & CONTROL TECHNOLOGY TRAINING PROGRAM		DURATION (DAYS)	COURSE FEE PER PAX (RM)	JANUARY - MARCH		APRIL - JUNE		JULY – SEPTEMBER		OCTOBER – DECEMBER	
25.	BASIC INSTRUMENTS CALIBRATION	4	2500	20 – 23/01		6 – 9/04			24 – 27/08		19 – 20/10
26.	INDUSTRIAL PROCESS CONTROL & INSTRUMENTATION	4	2500		3 – 6/02		8 – 11/06	13 – 16/07		19 – 22/10	
27.	DISTRIBUTED CONTROL SYSTEM (SIEMENS) –BASIC APPLICATION	4	2000	20 – 23/01		6 – 9/04			24 – 27/08		19 – 20/10
28.	INTRODUCTION TO VIRTUAL INSTRUMENTATION AND MEASUREMENT	4	2000		3 – 6/02		8 – 11/06	13 – 16/07		19 – 22/10	
29.	SENSOR TECHNOLOGY	4	2500	20 – 23/01		6 – 9/04			24 – 27/08		19 – 20/10
30.	ADVANCED PROCESS LAB EQUIPMENT & SYSTEM MAINTENANCE	3	2800		3 – 5/02		22 – 24/06	6 – 8/07		12 – 14/10	
31.	ELECTRONICS EQUIPMENT TROUBLESHOOTING	3	2800	20 – 22/01			8 – 10/06		3 – 5/08		16 – 18/11
32.	SIGNAL PERFORMANCE MONITORING (FOR ANALYTICAL & PROCESS LAB EQUIPMENT)	3	2800		3 – 5/02	20 – 22/04		6 – 8/07		12 – 14/10	
33.	HYBRID VEHICLE TECHNOLOGY	3	2300	20 – 22/01			15 – 17/06		3 – 5/08		16 – 18/11
34.	ELECTRICAL VEHICLE TECHNOLOGY	3	2500		3 – 5/02	6 – 8/04		6 – 8/07		12 – 14/10	
35.	DISTRIBUTED CONTROL SYSTEM : EMERSON DELTA V BASIC APPLICATION	3	2500	20 – 22/01			22 – 24/06		3 – 5/08		16 – 18/11
36.	SCADA	3	2500		3 – 5/02	13 – 15/04	22 – 24/06	6 – 8/07		12 – 14/10	
37.	HYDRAULIC MAINTENANCE (PUMP AND COMPRESSOR)	3	2000	20 – 22/01			8 – 10/06		3 – 5/08		16 – 18/11

GMI SHORT TERM COURSE 2020

ELECTRICAL ENGINEERING DEPARTMENT				DATE – 2020								
RENEWABLE ENERGY AND AUTOMATION TRAINING PROGRAM			DURATION (DAYS)	COURSE FEE PER PAX (RM)	JANUARY - MARCH		APRIL - JUNE		JULY – SEPTEMBER		OCTOBER – DECEMBER	
38.	PHOTOVOLTAICS PRINCIPLES AND MATERIALS	3	2500		3 – 5/02	13 – 15/04	8 – 10/06	6 – 8/07		12 – 14/10		
39.	SOLAR PHOTOVOLTAICS ON GRID SYSTEM DESIGN	5	3000	6 – 10/01			15 – 19/06		3 – 7/08			23 – 27/11

ELECTRICAL ENGINEERING DEPARTMENT				DATE – 2020								
ELECTRONICS SYSTEM & COMMUNICATION TRAINING PROGRAM			DURATION (DAYS)	COURSE FEE PER PAX (RM)	JANUARY - MARCH		APRIL - JUNE		JULY – SEPTEMBER		OCTOBER – DECEMBER	
40.	INDUSTRIAL PROJECT WITH VISUAL BASIC	3	1600		3 – 5/02	13 – 15/04	15 – 17/06		3 – 5/08			16 – 18/11
41.	ARDUINO INTERFACING & APPLICATION SYSTEM	5	2500	6 – 10/01			22 – 26/06	20 – 24/07		12 – 16/10		
42.	HARDWARE DESCRIPTION LANGUAGE (VERILOG) BASED SYSTEM DESIGN & APPLICATION	4	2000		3 – 6/02	6 – 9/04			10 – 14/08			23 – 26/11
43.	MICROCONTROLLER BASED SYSTEMS	3	1600	20 – 22/01		13 – 15/04	15 – 17/06	6 – 8/07		12 – 14/10		
44.	ORCAD PSPICE CIRCUIT SIMULATION AND ANALYSIS	4	2000		3 – 6/02		8 – 11/06		24 – 27/08			19 – 20/10

GMI SHORT TERM COURSE 2020

MECHANICAL ENGINEERING DEPARTMENT				DATE – 2020							
MOULD TECHNOLOGY TRAINING PROGRAM		DURATION (DAYS)	COURSE FEE PER PAX (RM)	JANUARY - MARCH		APRIL - JUNE		JULY – SEPTEMBER		OCTOBER – DECEMBER	
45.	FUNDAMENTALS OF PLASTIC PROCESSING	2	1000	6 – 7/01		13 – 14/04			17 – 18/08	5 – 6/10	
46.	TROUBLESHOOTING FOR INJECTION MOULDING	2	1400		3 – 4/02		15 – 16/06	27 – 28/07			23 – 24/11
47.	FUNDAMENTALS OF SCIENTIFIC INJECTION MOULDING PROCESS	3	2000		3 – 5/02	13 – 15/04	8 – 10/06		17 – 19/08	26 – 28/10	
48.	ADVANCED SCIENTIFIC INJECTION MOULDING PROCESS	4	2400	20 – 23/01		6 – 9/04		13 – 16/07			23 – 26/11
49.	FUNDAMENTALS OF MOULD TECHNOLOGY	3	1350	20 – 22/01			15 – 17/06		17 – 19/08	12 – 14/10	
50.	MOULD MAINTENANCE	3	1600		3 – 5/02	20 – 22/04		20 – 22/07			16 – 18/11
51.	TWO PLATE MOULD DESIGN	3	1350	20 – 22/01			22 – 24/06		17 – 19/08	12 – 14/10	
52.	THREE PLATE MOULD DESIGN	3	1350		3 – 5/02	6 – 8/04		20 – 22/07			16 – 18/11
53.	ADVANCED MOULD DESIGN	3	1600	20 – 22/01			8 – 10/06		17 – 19/08	12 – 14/10	
54.	PLASTIC PRODUCT ANALYSIS	3	1600		3 – 5/02	13 – 15/04	15 – 17/06	20 – 22/07			16 – 18/11
55.	FAILURE ANALYSIS OF INJECTION MOLDED PLASTIC PARTS New	2	2500		3 – 4/02		22 – 23/06		17 – 18/08	5 – 6/10	

GMI SHORT TERM COURSE 2020

MECHANICAL ENGINEERING DEPARTMENT				DATE – 2020							
TOOL & DIE TECHNOLOGY TRAINING PROGRAM		DURATION (DAYS)	COURSE FEE PER PAX (RM)	JANUARY - MARCH		APRIL - JUNE		JULY – SEPTEMBER		OCTOBER – DECEMBER	
56.	FUNDAMENTALS OF METAL STAMPING	3	1550		3 – 5/02	13 – 15/04	22 – 24/06	6 – 8/07			9 – 11/11
57.	BENDING OPERATION AND BENDING DIES	2	1000		3 – 4/02		22 – 23/06		10 – 11/08	19 – 20/10	
58.	DIE CONSTRUCTION AND DESIGN 1 (BLANKING, PIERCING AND COMPOUND DIE)	5	2000	6 – 10/01			15 – 19/06	13 – 17/07			23 – 27/11
59.	DIE CONSTRUCTION AND DESIGN 2 (DRAW DIE)	4	1750		3 – 6/02	6 – 9/04			24 – 27/08	5 – 8/10	
60.	DIE CONSTRUCTION AND DESIGN 3 (CUT AND CARRY PROGRESSIVE DIE)	5	2000	6 – 10/01			22 – 26/06	20 – 24/07			16 – 20/11
61.	DIE MAINTENANCE & PRESS MACHINE OPERATION	4	1750		3 – 6/02		8 – 11/06		10 – 14/08	19 – 22/10	
62.	3D AUTOMOTIVE DIE DESIGN	10	4000	On Request							
63.	TOOLING FABRICATION (METAL STAMPING)	5	2000	6 – 10/01			15 – 19/06		3 – 7/08	12 – 16/10	
64.	GUIDED PROJECT – PROGRESSIVE DIE	5	2000		3 – 7/02		22 – 26/06	20 – 24/07			16 – 20/11

GMI SHORT TERM COURSE 2020

MECHANICAL ENGINEERING DEPARTMENT				DATE – 2020								
CNC PRECISION TECHNOLOGY TRAINING PROGRAM			DURATION (DAYS)	COURSE FEE PER PAX (RM)	JANUARY - MARCH		APRIL - JUNE		JULY – SEPTEMBER		OCTOBER – DECEMBER	
65.	BASIC CAD/CAM MILLING	3	1150		3 – 5/02	13 – 15/04	8 – 10/06		17 – 19/08	26 – 28/10		
66.	INTERMEDIATE CAD/CAM MILLING	3	1200	20 – 22/01		20 – 22/04	15 – 17/06	6 – 8/07				16 – 18/11
67.	ADVANCED CAD/CAM MILLING	3	1300		3 – 5/02	13 – 15/04	22 – 24/06		17 – 19/08	26 – 28/10		
68.	EXPERT CAD/CAM MILLING	3	1350	3 – 5/02		20 – 22/04	8 – 10/06	6 – 8/07				16 – 18/11
69.	FUNDAMENTAL CNC MILLING FOR MANUFACTURING (ISO/HEIDENHEIN)	3	1200		3 – 5/02	13 – 15/04	15 – 17/06		17 – 19/08	26 – 28/10		
70.	INTERMEDIATE CNC MILLING FOR MANUFACTURING (ISO/HEIDENHEIN)	3	1300	10 – 12/02		20 – 22/04	22 – 24/06	6 – 8/07				16 – 18/11
71.	ADVANCED CNC MILLING FOR MANUFACTURING (ISO/HEIDENHEIN)	3	1350		3 – 5/02	13 – 15/04	8 – 10/06		17 – 19/08	26 – 28/10		
72.	FUNDAMENTAL CNC TURNING FOR MANUFACTURING (ISO/CONVERSATIONAL SHOPTURN)	3	1200	17 – 19/02		20 – 22/04	15 – 17/06	6 – 8/07				16 – 18/11
73.	INTERMEDIATE CNC TURNING FOR MANUFACTURING (ISO/CONVERSATIONAL SHOPTURN)	3	1300		3 – 5/02	13 – 15/04	22 – 24/06		17 – 19/08	26 – 28/10		
74.	ADVANCED CNC TURNING FOR MANUFACTURING (ISO/CONVERSATIONAL SHOPTURN)	3	1350	24 -26/02		20 – 22/04	8 – 10/06	6 – 8/07				16 – 18/11
75.	FUNDAMENTAL CNC MILLING MULTI AXIS	3	1300		3 – 5/02	13 – 15/04	15 – 17/06		17 – 19/08	26 – 28/10		
76.	INTERMEDIATE CNC MILLING MULTI AXIS	3	1450	2 – 4/03		20 – 22/04	22 – 24/06	6 – 8/07				16 – 18/11
77.	ADVANCED CNC MILLING MULTI AXIS	3	1500		3 – 5/02	13 – 15/04	8 – 10/06		17 – 19/08	26 – 28/10		

MECHANICAL ENGINEERING DEPARTMENT				DATE – 2020								
SHEET METAL FABRICATION AND PRODUCT DEVELOPMENT TRAINING PROGRAM			DURATION (DAYS)	COURSE FEE PER PAX (RM)	JANUARY - MARCH		APRIL - JUNE		JULY – SEPTEMBER		OCTOBER – DECEMBER	
78.	SHEET METAL PRODUCT DESIGN	4	1750	20 – 23/01		6 – 9/04		27 – 30/07				19 – 20/10
79.	CNC 2D & 3D LASER CUTTING TECHNOLOGY	4	1800		3 – 6/02		8 – 11/06		10 – 14/08	19 – 22/10		
80.	CNC TURRET PUNCHING & BENDING TECHNOLOGY	4	1750	20 – 23/01		6 – 9/04		27 – 30/07				19 – 20/10
81.	SHEET METAL FORMING & DEVELOPMENT TECHNOLOGY	4	1750		3 – 6/02		8 – 11/06		10 – 14/08	19 – 22/10		
82.	MATERIAL TREATMENT & FINISHING TECHNOLOGY	4	1800	20 – 23/01		6 – 9/04		27 – 30/07				19 – 20/10
83.	SHEET METAL FORMING ANALYSIS (ENGINEERING ANALYSIS – SHEET METAL FORMABILITY)	4	1600		3 – 6/02		8 – 11/06		10 – 14/08	19 – 22/10		
84.	CAD CAM FOR SHEET METAL	4	1600	20 – 23/01		6 – 9/04		27 – 30/07				19 – 20/10
85.	FLOW ABRASIVE WATER-JET TECHNOLOGY	2	1200		3 – 4/02		22 – 23/06		17 – 18/08	5 – 6/10		

GMI SHORT TERM COURSE 2020

MECHANICAL ENGINEERING DEPARTMENT				DATE – 2020							
PRODUCT DESIGN AND DEVELOPMENT TRAINING PROGRAM		DURATION (DAYS)	COURSE FEE PER PAX (RM)	JANUARY - MARCH		APRIL - JUNE		JULY – SEPTEMBER		OCTOBER – DECEMBER	
86.	ENGINEERING DRAWING & CAD	5	1100	6 – 10/01			15 – 19/06		10 – 14/08	12 – 16/10	
87.	CAD FUNDAMENTAL – AUTOCAD INVENTOR PRO	5	1100		3 – 7/02	22 – 26/06		20 – 24/07			16 – 20/11
88.	3-D MODELING	5	1100	6 – 10/01			15 – 19/06		10 – 14/08	12 – 16/10	
89.	PRODUCT CONCEPT & DESIGN DEVELOPMENT	3	850		3 – 5/02		8 – 10/06	6 – 8/07			16 – 18/11
90.	MODEL MAKING TECHNIQUE	4	1100	20 – 23/01			8 – 11/06		10 – 14/08	19 – 22/10	
91.	ERGONOMICS	3	850		3 – 5/02		15 – 17/06	20 – 22/07			9 – 11/11
92.	3DS MAX FOR RENDERING & ANIMATION	4	1100	20 – 23/01		6 – 9/04			24 – 27/08	5 – 8/10	
93.	FINITE ELEMENT ANALYSIS WITH CAE (BEGINNER)	3	1400		3 – 5/02		22 – 24/06	6 – 8/07			16 – 18/11
94.	FINITE ELEMENT ANALYSIS WITH CAE (INTERMEDIATE)	3	1450		20 – 22/01		22 – 24/06		3 – 5/08	26 – 28/10	
95.	PRODUCT DESIGN OPTIMIZATION WITH CAE	4	1500	20 – 23/01			8 – 11/06	13 – 16/07			9 – 12/11
96.	RAPID PROTOTYPE	4	1400		3 – 6/02	6 – 9/04			24 – 27/08	5 – 8/10	
97.	REVERSE ENGINEERING FOR PRODUCT DEVELOPMENT	4	1100	20 – 23/01			8 – 11/06	13 – 16/07			23 – 26/11
98.	DO IT RIGHT THE FIRST TIME (DRIFT) PLASTICS DESIGN	2	2500		3 – 4/02	27 – 28/04			10 – 11/08	19 – 20/10	

New

GMI SHORT TERM COURSE 2020

MECHANICAL ENGINEERING DEPARTMENT				DATE – 2020							
MANUFACTURING TRAINING PROGRAM		DURATION (DAYS)	COURSE FEE PER PAX (RM)	JANUARY - MARCH		APRIL - JUNE		JULY – SEPTEMBER		OCTOBER – DECEMBER	
99.	TURNING MACHINING TECHNOLOGY	3	1150		3 – 5/02	8 – 10/02			17 – 19/08		16 – 18/11
100.	MILLING MACHINING TECHNOLOGY	3	1200	3 – 5/02			15 – 17/02	20 – 22/07		26 – 28/10	
101.	SURFACE GRINDING TECHNOLOGY	3	1150		3 – 5/02	22 – 24/06			17 – 19/08		16 – 18/11
102.	MACHINE TOOL OPERATION	9	3450	On Request							
103.	BASIC INSPECTION AND MEASUREMENT	3	1200		3 – 5/02	15 – 17/06		6 – 8/07		26 – 28/10	
104.	COORDINATE MEASURING MACHINE (CMM)	4	1600	20 – 23/01			8 – 11/06		24 – 27/08		19 – 20/10
105.	GEOMETRICAL DIMENSIONING AND TOLERANCING (GDT)	3	1250		3 – 5/02		22 – 24/06	20 – 22/07		12 – 14/10	

PRE-UNI & GENERAL STUDIES				DATE – 2020							
TRAINING & DEVELOPMENT TRAINING PROGRAM		DURATION (DAYS)	COURSE FEE PER PAX (RM)	JANUARY - MARCH		APRIL - JUNE		JULY – SEPTEMBER		OCTOBER - DECEMBER	
106.	PSMB TRAIN THE TRAINER PROGRAM (SMETAP)	5	2500	6 – 10/01	-		15 – 19/06	13 – 17/07			23 – 27/11
107.	WRITING EFFECTIVE E-MAILS	5	2000	-	3 - 7/02		22 – 26/06		10 – 14/08	12 – 16/10	
108.	JOB APPLICATION SKILLS	9	3700	On Request							
109.	PROPOSAL WRITING AND PRESENTATION	5	2000	17 – 21/02	-		15 – 19/06		3 – 7/08	12 – 16/10	
110.	REPORT WRITING AND PRESENTATION	5	2000	-	24 – 28/02		22 – 26/06	20 – 24/07			16 – 20/11

GMI SHORT TERM COURSE 2020

NOTES

- Tailor-made programmes to suit the needs of individual companies can also be arranged.
- GMI reserves the right to cancel or reschedule the above programmes.



CLAIMABLE



QMS No.: 44 100 132274
MS No.: 05 100 13015



MS ISO/IEC 17021:2011
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REGISTERED
TRAINING
PROVIDER

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