

# GMI SHORT TERM COURSE 2017

PRODUCTION TECHNOLOGY DEPARTMENT				DATE - 2017											
MOULD TECHNOLOGY TRAINING PROGRAM		DURATION (DAYS)	COURSE FEES (PER PAX)	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
1.	FUNDAMENTALS OF PLASTIC PROCESSING	2	850	03-04	01-02	09-10	03-04	08-09	01-02	03-04	01-02	04-05	02-03	01-02	04-05
2.	TROUBLESHOOTING FOR INJECTION MOULDING	2	1100	05-06	27-28	30-31	27-28	11-12	08-09	05-06	03-04	06-07	19-20	23-24	06-07
3.	FUNDAMENTALS OF SCIENTIFIC INJECTION MOULDING PROCESS	4	2000	09-12	13-16	13-16	10-13	02-05	05-08	10-13	07-10	11-14	02-05	06-09	12-15
4.	ADVANCED SCIENTIFIC INJECTION MOULDING PROCESS	4	2400	16-19	20-23	20-23	17-20	15-18	13-16	17-20	14-17	25-28	09-12	13-16	26-29
5.	FUNDAMENTALS OF MOULD TECHNOLOGY	3	1350	09-11	01-03	01-03	05-07	03-05	07-09	05-07	02-04	18-20	04-06	01-03	12-14
6.	MOULD MAINTENANCE	3	1600	11-13	01-03	27-29	12-14	17-19	14-16	12-14	09-11	13-15	11-13	15-17	18-20
7.	TWO PLATE MOULD DESIGN	3	1350	16-18	06-08	01-03	19-21	22-24	19-21	19-21	16-18	18-20	23-25	20-22	20-22
8.	THREE PLATE MOULD DESIGN	3	1350	18-20	13-15	15-17	24-27	29-31	28-30	24-26	21-23	25-28	25-27	27-29	26-28
9.	ADVANCED MOULD DESIGN	3	1600	23-25	15-17	22-24	17-20	24-26	21-23	19-21	23-25	13-15	11-13	22-24	18-20
10.	PLASTIC PRODUCT ANALYSIS	3	1600	24-26	22-24	29-31	26-28	29-31	28-30	28-30	18-30	27-29	25-27	27-29	26-28
*11	INJECTION MOULDING DRIVER LICENSE – LEVEL 1	2	3350	03-04	01-02	09-10	03-04	08-09	01-02	03-04	01-02	04-05	02-03	01-02	04-05
*12	INJECTION MOULDING DRIVER LICENSE – LEVEL 2	2	3350	05-06	27-28	30-31	27-28	11-12	08-09	05-06	03-04	06-07	19-20	23-24	06-07

TOOL & DIE TECHNOLOGY TRAINING PROGRAM				DATE - 2017											
		DURATION (DAYS)	COURSE FEES (PER PAX)	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
13.	FUNDAMENTALS OF METAL STAMPING	3	1300	09-11	-	13-15	10-12	15 - 17	-	17-19	-	11-13	-	13-15	-
14.	BENDING OPERATION AND BENDING DIES	2	850	03-04	06-07	06-07	03-04	08-09	05-06	03-04	07-08	04-05	09-10	06-07	04-05
15.	DIE CONSTRUCTION AND DESIGN 1 (BLANKING, PIERCING AND COMPOUND DIE)	5	2000	-	-	02-24	-	22-26	-	10-14	-	18-22	-	20-24	-
16.	DIE CONSTRUCTION AND DESIGN 2 (DRAW DIE)	4	1750	16-19	13-16	27-30	24-27	29-1	26-29	24-27	28-31	25-28	02-05	27-30	25-28
17.	DIE CONSTRUCTION AND DESIGN 3 (CUT AND CARRY PROGRESSIVE DIE)	5	2000	-	13-17	-	10-14	-	12-16	-	14-18	-	09-13	-	11-15
18.	DIE MAINTENANCE & PRESS MACHINE OPERATION	4	1750	23-26	06-09	06-09	03-06	08-11	05-08	03-06	07-10	04-07	09-12	06-09	04-07
19.	3D AUTOMOTIVE DIE DESIGN	10	4000	09-20	-	-	-	-	-	03-14	-	-	-	-	11-22
20.	TOOLING FABRICATION (METAL STAMPING)	5	2000	-	13-17	-	-	15-19	-	-	-	11-15	-	13-17	-
21.	GUIDED PROJECT – PROGRESSIVE DIE	5	2000	-	20-24	-	17-21	-	19-23	-	17-21	-	23-27	-	18-22

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SHEET METAL FABRICATION AND PRODUCT DEVELOPMENT TRAINING PROGRAM		DURATION (DAYS)	COURSE FEES (PER PAX)	DATE - 2017											
				JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
22.	SHEET METAL PRODUCT DESIGN	4	1750	-	-	-	-	-	12-15	-	-	-	-	-	04-07
23.	CNC 2D & 3D LASER CUTTING TECHNOLOGY	4	1800	-	-	-	-	-	-	03-06	-	-	-	-	04-07
24.	CNC TURRET PUNCHING & BENDING TECHNOLOGY	4	1750	-	-	-	-	-	12-15	-	-	-	-	-	04-07
25.	SHEET METAL FORMING & DEVELOPMENT TECHNOLOGY	4	1750	-	-	-	-	-	12-15	-	-	-	-	-	04-07
26.	MATERIAL TREATMENT & FINISHING TECHNOLOGY	4	1800	-	-	-	-	-	-	19-22	-	-	-	-	04-07
27.	SHEET METAL FORMING ANALYSIS (ENGINEERING ANALYSIS – SHEET METAL FORMABILITY)	4	1600	-	-	-	-	-	12-15	-	-	-	-	-	04-07
28.	CAD CAM FOR SHEET METAL	4	1600	-	-	-	-	-	-	03-06	-	-	-	-	04-07
29.	WATER JET TECHNOLOGY	4	1800	-	-	-	-	-	12-15	-	-	-	-	-	04-07

MANUFACTURING TRAINING PROGRAM		DURATION (DAYS)	COURSE FEE PER PAX (RM)	DATE - 2017							
				JANUARY - MARCH		APRIL - JUNE		JULY - SEPTEMBER		OCTOBER - DECEMBER	
30.	TURNING MACHINING TECHNOLOGY	3	1150	10 – 12/1	14 – 16/3	-	3 – 5/5	10 – 12/7	11 – 13/9	-	1 – 3/11
31.	MILLING MACHINING TECHNOLOGY	3	1200	16 – 18/1	20 – 22/3	-	15 – 17/5	17 – 19/7	18 – 20/9	-	6 – 8/11
32.	SURFACE GRINDING TECHNOLOGY	3	1150	23 – 25/1	27 – 29/3	-	22 – 24/5	24 – 26/7	25 – 27/9	-	13 – 15/11
33.	MACHINE TOOL OPERATION	9	3450	14 – 24/2	-	11 – 21//4	-	15 – 25/8	-	3 – 13/10	-
34.	BASIC INSPECTION AND MEASUREMENT	3	1200	6 – 8/2	20 – 22/3	24 – 26/4	22 – 24/5	24 – 26/7	21 – 23/8	9 – 11/10	6 – 8/11
35.	COORDINATE MEASURING MACHINE (CMM)	4	1600	13 – 16/2	13 – 16/3	17 – 20/4	15 – 18/5	17 – 20/7	14 – 17/8	2 – 5/10	13 – 16/11
36.	GEOMETRICAL DIMENSIONING AND TOLERANCING (GDT)	3	1250	20 – 22/2	27 – 29/3	24 – 26/4	22 – 24/5	10 – 12/7	23 – 25/8	23 – 25/10	21 – 23/11

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CNC PRECISION TECHNOLOGY TRAINING PROGRAM		DURATION (DAYS)	COURSE FEE PER PAX (RM)	DATE - 2017							
				JANUARY - MARCH		APRIL - JUNE		JULY - SEPTEMBER		OCTOBER - DECEMBER	
37.	BASIC CAD/CAM MILLING	3	1150	04 - 06/01	-	03 - 05/04	29 - 31/05	10 - 12/07	21 - 23/08	02 - 04/10	20 - 22/11
38.	INTERMEDIATE CAD/CAM MILLING	3	1200	09 - 11/01	-	10 - 12/04	05 - 07/06	17 - 19/07	04 - 06/09	09 - 11/10	27 - 29/11
39.	ADVANCED CAD/CAM MILLING	3	1300	16 - 18/01	-	17 - 19/04	12 - 14/06	24 - 26/07	11 - 13/09	23 - 25/10	04 - 06/12
40.	EXPERT CAD/CAM MILLING	3	1350	23 - 25/01	-	24 - 26/04	19 - 21/06	31/07 - 02/08	18 - 20/09	30/10 & 01/11	13 - 15/12
41.	FUNDAMENTAL CNC MILLING FOR MANUFACTURING (ISO/HEIDENHEIN)	3	1200	04 - 06/01	-	03 - 05/04	29 - 31/05	10 - 12/07	21 - 23/08	02 - 04/10	20 - 22/11
42.	INTERMEDIATE CNC MILLING FOR MANUFACTURING (ISO/HEIDENHEIN)	3	1300	09 - 11/01	-	10 - 12/04	05 - 07/06	17 - 19/07	04 - 06/09	09 - 11/10	27 - 29/11
43.	ADVANCED CNC MILLING FOR MANUFACTURING (ISO/HEIDENHEIN)	3	1350	16 - 18/01	-	17 - 19/04	12 - 14/06	24 - 26/07	11 - 13/09	23 - 25/10	04 - 06/12
44.	FUNDAMENTAL CNC TURNING FOR MANUFACTURING (ISO/CONVERSATIONAL SHOPTURN)	3	1200	04 - 06/01	-	03 - 05/04	29 - 31/05	10 - 12/07	21 - 23/08	02 - 04/10	20 - 22/11
45.	INTERMEDIATE CNC TURNING FOR MANUFACTURING (ISO/CONVERSATIONAL SHOPTURN)	3	1300	09 - 11/01	-	10 - 12/04	05 - 07/06	17 - 19/07	04 - 06/09	09 - 11/10	27 - 29/11
46.	ADVANCED CNC TURNING FOR MANUFACTURING (ISO/CONVERSATIONAL SHOPTURN)	3	1350	16 - 18/01	-	17 - 19/04	12 - 14/06	24 - 26/07	11 - 13/09	23 - 25/10	04 - 06/12
47.	FUNDAMENTAL CNC MILLING MULTI AXIS	3	1300	04 - 06/01	-	03 - 05/04	29 - 31/05	10 - 12/07	21 - 23/08	02 - 04/10	20 - 22/11
48.	INTERMEDIATE CNC MILLING MULTI AXIS	3	1450	09 - 11/01	-	10 - 12/04	05 - 07/06	17 - 19/07	04 - 06/09	09 - 11/10	27 - 29/11
49.	ADVANCED CNC MILLING MULTI AXIS	3	1500	16 - 18/01	-	17 - 19/04	12 - 14/06	24 - 26/07	11 - 13/09	23 - 25/10	04 - 06/12

PRODUCT DESIGN AND DEVELOPMENT TRAINING PROGRAM		DURATION (DAYS)	COURSE FEE PER PAX (RM)	DATE - 2017							
				JANUARY - MARCH		APRIL - JUNE		JULY - SEPTEMBER		OCTOBER - DECEMBER	
50.	ENGINEERING DRAWING & CAD	5	1100	-	16 - 20/01	03 - 07/04	-	-	07 - 11/08	-	23 - 27/11
51.	CAD FUNDAMENTAL - AUTOCAD INVENTOR PRO	5	1100	-	13 - 17/02	17 - 21/04	-	-	04 - 08/09	09 - 13/10	-
52.	CAD FUNDAMENTAL - CATIA V5 R19	5	1100	-	20 - 24/02	10 - 14/04	-	24 - 28/07	-	-	30/11 - 3/12
53.	PRODUCT CONCEPT & DESIGN DEVELOPMENT	3	850	-	28 - 30/03	-	19 - 21/06	-	22 - 24/08	02 - 04/10	-
54.	MODEL MAKING TECHNIQUE	4	1100	-	27/02-2/03	24 - 27/04	-	-	01 - 04/08	-	06 - 09/11
55.	ERGONOMICS	3	850	-	21-23/02	18 - 20/04	-	-	12 - 14/09	-	05 - 07/12
56.	3DS MAX FOR RENDERING & ANIMATION	4	1100	-	06 - 09/03	-	02 - 05/05	-	14 - 17/08	-	04 - 07/12
57.	FINITE ELEMENT ANALYSIS WITH CAE (BEGINNER)	3	1400	-	06 - 08/02	04 - 06/04	-	17 - 19/07	-	-	28 - 30/11
58.	FINITE ELEMENT ANALYSIS WITH CAE (INTERMEDIATE)	3	1450	-	07 - 09/03	-	22 - 25/05	-	05 - 07/09	-	21 - 23/11
59.	PRODUCT DESIGN OPTIMIZATION WITH CAE	4	1500	-	14 - 16/03	-	15 - 18/05	03 - 06/07	-	-	12 - 15/12
60.	RAPID PROTOTYPE	4	1400	-	13 - 16/03	24 - 27/04	-	10 - 13/07	-	-	18 - 21/12
61.	REVERSE ENGINEERING FOR PRODUCT DEVELOPMENT	4	1100	-	20 - 23/03	-	15 - 18/5	-	25 - 28/09	-	18 - 21/12

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INDUSTRIAL ELECTRONICS DEPARTMENT				DATE - 2017							
AUTOMATION & MECHATRONICS TECHNOLOGY TRAINING PROGRAM		DURATION (DAYS)	COURSE FEE PER PAX (RM)	JANUARY - MARCH		APRIL - JUNE		JULY - SEPTEMBER		OCTOBER - DECEMBER	
62.	SOLIDWORKS – BASIC COURSE	5	2500	09 – 13/01	-	-	19 – 23/06	03 – 07/07	-	20 – 24/11	04 – 08/12
63.	HYDRAULICS TECHNOLOGY	4	2000	09 – 12/01	-	-	19 – 22/06	03 – 06/07	-	20 – 23/11	04 – 07/12
64.	PNEUMATICS TECHNOLOGY	4	2000	09 – 12/01	-	-	19 – 22/06	03 – 06/07	-	20 – 23/11	04 – 07/12
65.	PROGRAMMABLE LOGIC CONTROLLER: BASIC PROGRAMMING	3	1650	09 – 11/01	-	-	19 – 21/06	03 – 05/07	-	20 – 22/11	04 – 06/12
66.	PROGRAMMABLE LOGIC CONTROLLER: ADVANCE PROGRAMMING	3	1650	09 – 11/01	-	-	19 – 21/06	03 – 05/07	-	20 – 22/11	04 – 06/12
67.	ELECTRICAL MOTOR OPERATION AND TROUBLESHOOTING	4	2000	09 – 12/01	-	-	19 – 22/06	03 – 06/07	--	20 – 23/11	04 – 07/12
68.	MECHATRONICS SYSTEM TROUBLESHOOTING	3	2000	09 – 11/01	-	-	19 – 21/06	03 – 05/07	-	20 – 22/11	04 – 06/12
69.	FUNDAMENTAL OF INDUSTRIAL ROBOTICS	3	1650	09 – 11/01	-	-	19 – 21/06	03 – 05/07	-	20 – 22/11	04 – 06/12
70.	INDUSTRIAL ROBOTICS SIMULATION AND PROGRAMMING	4	2000	09 – 12/01	-	-	19 – 21/06	03 – 06/07	-	20 – 23/11	04 – 07/12
71.	S7-1200 PLC FOR BEGINNERS*	3	1500	-	-	-	19 – 21/06	03 – 05/07	-	20 – 22/11	04 – 06/12
72.	PROPORTIONAL HYDRAULIC TECHNOLOGY*	3	1650	-	-	-	19 – 21/06	03 – 05/07	-	20 – 22/11	04 – 06/12

COMPUTER & NETWORK TECHNOLOGY TRAINING PROGRAM		DURATION (DAYS)	COURSE FEE PER PAX (RM)	DATE - 2017							
				JANUARY - MARCH		APRIL - JUNE		JULY - SEPTEMBER		OCTOBER - DECEMBER	
73.	LINUX SYSTEM ADMINISTRATION	5	2500	16 – 20/01	20 – 24/02	-	15 – 19/05	17 – 21/07	04 – 08/09	-	13 – 17/11
74.	LINUX NETWORK ADMINISTRATION	5	2500	23 – 27/01	27/02 – 03/03	-	22 – 26/05	24 – 28/07	11 – 15/09	-	20 – 24/11
75.	COMPUTER & OFFICE AUTOMATION	5	2000	23 – 27/01	-	10 – 14/04	-	31/07 – 04/08	-	-	04 – 08/12
76.	DYNAMIC WEB PROGRAMMING ( INTRODUCTION TO PHP)	3	1600	16 – 18/01	-	10 – 12/04	-	07 – 09/08	-	-	04 – 06/12
77.	INTERCONNECTING NETWORK DEVICES	4	2000	13 – 16/01	06 – 09/03	-	29/05 – 01/06	14 – 17/08	-	02 – 05/10	-
78.	NETWORK VULNERABILITY & PENETRATION TESTING	3	1800	06 – 08/02	13- 15/03	-	05 – 07/06	07 – 09/08	-	09 – 11/10	-
79.	SECURED NETWORK DESIGN	5	2500	20 – 24/02	-	03 -07/04	-	21 – 25/08	-	23 – 27/10	-

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INSTRUMENTATION & CONTROL TECHNOLOGY TRAINING PROGRAM			DURATION (DAYS)	COURSE FEE PER PAX (RM)	DATE - 2017							
					JANUARY - MARCH		APRIL - JUNE		JULY - SEPTEMBER		OCTOBER - DECEMBER	
80.	BASIC INSTRUMENTS CALIBRATION		5	2500	-	-	-	-	03 – 07/07	-	-	-
81.	INDUSTRIAL PROCESS CONTROL & INSTRUMENTATION		5	2500	-	-	-	-	10 – 14/07	-	-	-
82.	DISTRIBUTED CONTROL SYSTEM (SIEMENS) –BASIC APPLICATION		4	2000	-	-	-	-	03 – 06/07	-	-	-
83.	INTRODUCTION TO VIRTUAL INSTRUMENTATION AND MEASUREMENT		4	2000	-	-	-	-	10 – 13/07	-	-	-
84.	SENSOR TECHNOLOGY		5	2500	-	-	-	-	-	-	-	04 - 08/12
85.	ADVANCED PROCESS LAB EQUIPMENT & SYSTEM MAINTENANCE		3	2800	-	-	-	-	-	-	-	13 – 14/12
86.	FAULT ANALYSIS – ELECTRONICS EQUIPMENT TROUBLESHOOTING & REPAIR		3	2800	-	-	-	-	-	-	-	18 – 20/12
87.	SIGNAL PERFORMANCE MONITORING (FOR ANALYTICAL & PROCESS LAB EQUIPMENT)		3	2800	-	-	-	-	-	-	27 – 29/11	-

RENEWABLE ENERGY AND AUTOMATION TRAINING PROGRAM			DURATION (DAYS)	COURSE FEE PER PAX (RM)	DATE - 2017							
					JANUARY - MARCH		APRIL - JUNE		JULY - SEPTEMBER		OCTOBER - DECEMBER	
88.	PHOTOVOLTAICS PRINCIPLES AND MATERIALS		3	2500	-	-	13 – 15/06	20 – 22/06	-	-	05 – 07/12	19 – 21/12
89.	SOLAR PHOTOVOLTAICS ON GRID SYSTEM DESIGN		5	3000	-	-	12 – 16/06	19 – 23/06	-	-	04 – 08/12	18 – 22/12

ELECTRONICS SYSTEM & COMMUNICATION TRAINING PROGRAM			DURATION (DAYS)	COURSE FEE PER PAX (RM)	DATE - 2017							
					JANUARY - MARCH		APRIL - JUNE		JULY - SEPTEMBER		OCTOBER - DECEMBER	
90.	INDUSTRIAL PROJECT WITH VISUAL BASIC		3	1600	-	8-10/03	-	30/4 - 01/06	-	11- 13/07	-	19 - 21/12
91.	ARDUINO INTERFACING & APPLICATION SYSTEM		5	2500	-	-	-	05 - 09/06	03 - 07/07	-	-	04 - 08/12
92.	HARDWARE DESCRIPTION LANGUAGE (VERILOG) BASED SYSTEM DESIGN & APPLICATION		4	2000	-	-	-	29/05 - 01/06	-	-	-	-
93.	MICROCONTROLLER BASED SYSTEMS		3	1600	-	-	-	-	11 - 13/07	-	-	12 - 14/12
94.	ORCAD PSPICE CIRCUIT SIMULATION AND ANALYSIS		4	2000	-	-	-	19 - 22/06	-	-	-	18 - 21/12

EDUCATION & TRAINING OFFICE			DURATION (DAYS)	COURSE FEE PER PAX (RM)	DATE - 2017							
TRAINING & DEVELOPMENT TRAINING PROGRAM					JANUARY - MARCH		APRIL - JUNE		JULY - SEPTEMBER		OCTOBER - DECEMBER	
95.	PSMB TRAIN THE TRAINER PROGRAM (SMETAP)		5	2500	20 – 24/02	20 – 24/03	24 – 28/04	15 – 19/05	24 – 28/07	04 – 08/09	02 – 06/10	04 – 08/12

## DEFINITION OF MICRO, SME's & SMI's \*

CATEGORY	MICRO	SME's	SMI's
Manufacturing	Annual sales less than RM300,000.00 <u>OR</u> less than 5 workers.	Annual sales from RM300,000.00 to less than RM15 Million <u>OR</u> from 5 to less than 75 workers.	Annual sales from RM15 million not exceeding RM50 million <u>OR</u> from 75 not exceeding 200 workers.
Services & other Sectors	Annual sales less than RM300,000.00 <u>OR</u> less than 5 workers.	Annual sales from RM300,000.00 to less than RM3 Million <u>OR</u> from 5 to less than 30 workers.	Annual sales from RM3 million not exceeding RM20 million <u>OR</u> from 30 not exceeding 75 workers.

## 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.
- All course fees are claimable under HRDF SBL Scheme.
- Price quoted excluding 6% Good & Services Tax (GST).

**All course fees are claimable under HRDF**



For further inquiries and information, please contact these personnel:

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