

PRODUCTION TECHNOLOGY DEPARTMENT			DATE - 2016											
MOULD TECHNOLOGY TRAINING PROGRAM	DURATION (DAYS)	COURSE FEES (PER PAX)	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
Fundamentals of Plastic Processing	2	800	04-05	01-02	01-02	04-05	03-04	20-21	11-12	01-02	01-02	04-05	01-02	01-02
Troubleshooting for Injection Moulding	2	1000	06-07	03-04	03-04	06-07	05-06	23-24	13-14	29-30	05-06	06-07	03-04	05-05
Fundamentals of Scientific Injection Moulding Process	4	2000	11-14	15-18	14-17	18-21	16-19	13-16	18-21	15-18	19-22	10-13	14-17	19-12
Advanced Scientific Injection Moulding Process	4	2400	18-21	22-25	21-24	25-28	23-26	06-09	25-28	22-25	26-29	17-20	21-24	27-30
Fundamentals of Mould Technology	3	1200	11-13	01-03	07-09	11-13	09-11	08-10	11-13	8-10	07-09	05-07	09-11	07-09
Mould Maintenance	3	1500	13-15	10-12	14-16	13-15	11-13	01-03	13-15	10-12	13-15	12-14	16-18	08-10
Two Plate Mould Design	3	1200	18-20	03-05	02-04	18-20	16-18	15-17	14-16	03-05	07-09	05-07	21-23	14-16
Three Plate Mould Design	3	1200	20-22	10-13	21-23	20-22	18-20	23-25	21-23	18-20	13-15	19-21	23-25	21-23
Advanced Mould Design	3	1500	26-28	22-24	23-25	25-27	23-25	27-29	25-27	22-24	26-28	24-26	28-30	27-29
Plastic Product Analysis	3	1500	27-29	25-27	28-30	27-29	25-27	28-30	28-30	24-26	28-30	25-27	28-30	28-30

TOOL & DIE TECHNOLOGY TRAINING PROGRAM	DURATION (DAYS)	COURSE FEES (PER PAX)	DATE - 2016											
			JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
Fundamentals of Metal Stamping	3	1200	4-6	15-17	1-3	4-6	3-5	6-8	11-13	1-3	5-7	4-6	1-3	5-7
Bending Operation and Bending Dies	2	800	18-19	22-23	7-8	11-12	9-10	13-14	18-19	8-9	13-14	10-11	7-8	
Die Construction and Design 1 (Blanking, Piercing and Compound Die)	5	2000	11-15	22-26	7-11	4-8	9-13	13-18	11-16	8-12	19-23	10-14	14-18	5-9
Die Construction and Design 2 (Draw Die)	4	1600	18-21	22-25	21-24	18-21	16-19	27-30	25-28	15-18	26-29	17-20	21-24	
Die Construction and Design 3 (Cut and Carry Progressive Die)	4	1600	26-29	15-18	28-31	25-29	23-26		11-14	22-25	5-8	24-27	1-4	
Die Maintenance & Press Machine Operation	4	1600	4-7	11-18	1-4	4-7	3-6	6-9	11-14	1-4	5-8	1-4	7-10	5-8
3D Automotive Die Design	10	4000					16-27							
Tooling Fabrication (Metal Stamping)	5	2000	4-8	15-19	9-13	4-8	23-27	13-17	11-15	1-5	26-30	10-15	21-25	
Guided Project – Progressive Die	5	2000	18-22	1-5	14-18	11-15	9-13	6-10	11-15	15-19	19-23	10-14	14-18	

PRODUCTION TECHNOLOGY DEPARTMENT				DATE - 2016							
MANUFACTURING TRAINING PROGRAM		DURATION (DAYS)	COURSE FEE PER PAX (RM)	JANUARY - MARCH		APRIL - JUNE		JULY - SEPTEMBER		OCTOBER - DECEMBER	
TURNING MACHINING TECHNOLOGY	3	1150	6 – 8/1	2 – 4/3	4 – 6/5	1 – 3/6		1 – 3/8		1 – 3/11	
MILLING MACHINING TECHNOLOGY	3	1150	11 – 13/1	7 – 9/3	9 – 11/5	6 – 8/6		8 – 10/8		7 – 9/11	
SURFACE GRINDING TECHNOLOGY	3	1150	18 – 20/1	14 – 16/3	16 – 18/5	13 – 15/6		15 – 17/8		14 – 16/11	
MACHINE TOOL OPERATION	9	3450		16 – 26/2			19 – 29//7	20 – 30/9		21/11 – 1/12	
BASIC INSPECTION AND MEASUREMENT	3	1150	23 – 25/2	21 – 23/3	25 – 27/4	23 – 27/5	25 – 27/7	22 – 24/8	5 – 7/10	1 – 3/11	
COORDINATE MEASURING MACHINE (CMM)	4	1500	15 – 18/2	14 – 17/3	19 – 22/4	17 – 20/5	18 – 21/7	16 – 19/8	11 – 14/10	8 – 11/11	
GEOMETRICAL DIMENSIONING AND TOLERANCING (GDT)	3	1150	17 – 19/2	23 – 25/3	25 – 27/4	1 – 3/6	13 – 15/7	24 – 26/8	17 – 19/10	14 – 16/11	

PRODUCTION TECHNOLOGY DEPARTMENT				DATE - 2016							
CNC PRECISION TECHNOLOGY TRAINING PROGRAM		DURATION (DAYS)	COURSE FEE PER PAX (RM)	JANUARY - MARCH		APRIL - JUNE		JULY - SEPTEMBER		OCTOBER - DECEMBER	
BASIC CAD/CAM MILLING	3	1050	4-6/1		4-6/4	30/5 – 1/6	11-13/7	22-24/8	10-12/10	21-23/11	
INTERMEDIATE CAD/CAM MILLING	3	1150	11-13/1		11-13/4	6-8/6	18-20/7	5-7/9	17-19/10	28-30/11	
ADVANCED CAD/CAM MILLING	3	1200	18-20/1		18-20/4	13-15/6	25-27/7	19-21/9	24-26/10	5-7/12	
EXPERT CAD/CAM MILLING	3	1200	26-28/1		25-27/4	27-29/6	1-3/8	26-28/9	31/10 – 2/11	14-16/12	
FUNDAMENTAL CNC MILLING FOR MANUFACTURING (ISO/HEIDENHEIN)	3	1150	4-6/1		4-6/4	30/5 – 1/6	11-13/7	22-24/8	10-12/10	21-23/11	
INTERMEDIATE CNC MILLING FOR MANUFACTURING (ISO/HEIDENHEIN)	3	1250	11-13 /1		11-13/4	6-8/6	18-20/7	5-7/9	17-19/10	28-30/11	
ADVANCED CNC MILLING FOR MANUFACTURING (ISO/HEIDENHEIN)	3	1250	18-20/1		18-20/4	13-15/6	25-27/7	19-21/9	24-26/10	5-7/12	
FUNDAMENTAL CNC TURNING FOR MANUFACTURING (ISO/CONVERSATIONAL SHOFTURN)	3	1150	4-6/1		4-6/4	30/5 – 1/6	11-13/7	22-24/8	10-12/10	21-23/11	
INTERMEDIATE CNC TURNING FOR MANUFACTURING (ISO/CONVERSATIONAL SHOFTURN)	3	1250	11-13/1		11-13/4	6-8/6	18-20/7	5-7/9	17-19/10	28-30/11	
ADVANCED CNC TURNING FOR MANUFACTURING (ISO/CONVERSATIONAL SHOFTURN)	3	1250	18-20/1		18-20/4	13-15/6	25-27/7	19-21/9	24-26/10	5-7/12	
FUNDAMENTAL CNC MILLING MULTI AXIS	3	1250	4-6/1		4-6/4	30/5 – 1/6	11-13/7	22-24/8	10-12/10	21-23/11	
INTERMEDIATE CNC MILLING MULTI AXIS	3	1300	11-13/1		11-13/4	6-8/6	18-20/7	5-7/9	17-19/10	28-30/11	
ADVANCED CNC MILLING MULTI AXIS	3	1350	18-20/1		18-20/4	13-15/6	25-27/7	19-21/9	24-26/10	5-7/12	

<b>PRODUCTION TECHNOLOGY DEPARTMENT</b>				<b>DATE - 2016</b>								
<b>PRODUCT DESIGN AND DEVELOPMENT TRAINING PROGRAM</b>			<b>DURATION (DAYS)</b>	<b>COURSE FEE PER PAX (RM)</b>	<b>JANUARY - MARCH</b>		<b>APRIL - JUNE</b>		<b>JULY - SEPTEMBER</b>		<b>OCTOBER - DECEMBER</b>	
ENGINEERING DRAWING & CAD	5	1050	18-22/1		4-8/4		22 Aug	22 – 26/8		7-11/11		
CAD FUNDAMENTAL – AUTOCAD INVENTOR PRO	5	1050	1-5/2		18-22/4			26-30/9	17-21/10			
CAD FUNDAMENTAL – CATIA V5 R19	5	1050		15-19/2		16-20/5	18-22/7				5-9/12	
PRODUCT CONCEPT & DESIGN DEVELOPMENT	3	800		22-24/2		4-6/5		16-18/8	11-13/10			
MODEL MAKING TECHNIQUE	4	1000		28-31/3		10-13/5		19-22/9			1-3/11	
ERGONOMICS	3	800		22-24/2		27-29/6		6-8/9	17-20/10			
3DS MAX FOR RENDERING & ANIMATION	4	1050		1-4/3	11-14/4			1-4/8			14-17/11	
FINITE ELEMENT ANALYSIS WITH CAE (BEGINNER)	3	1350		7-9/3	26-28/4		12-14/7				14-16/12	
FINITE ELEMENT ANALYSIS WITH CAE (INTERMEDIATE)	3	1400		16-18/3	5-7/4			2-4/8			28-30/11	
PRODUCT DESIGN OPTIMIZATION WITH CAE	4	1450		7-10/3		3-6/5		5-8/9			21-24/11	
RAPID PROTOTYPE	4	1350		28-31/3		10-13/5		8-11/8	4-7/10			
REVERSE ENGINEERING FOR PRODUCT DEVELOPMENT	4	1050		15-18/2		23-27/5		26-29/9			20-23/12	

<b>INDUSTRIAL ELECTRONICS DEPARTMENT</b>				<b>DATE - 2016</b>								
<b>AUTOMATION &amp; MECHATRONICS TECHNOLOGY TRAINING PROGRAM</b>			<b>DURATION (DAYS)</b>	<b>COURSE FEE PER PAX (RM)</b>	<b>JANUARY - MARCH</b>		<b>APRIL - JUNE</b>		<b>JULY - SEPTEMBER</b>		<b>OCTOBER - DECEMBER</b>	
SOLIDWORKS – BASIC COURSE	5	2500		28/3 – 1/4		6 -10/6		5 – 9/9		5 – 9/12		
HYDRAULICS TECHNOLOGY	4	2000		28 – 31/3		6 – 9/6		5 – 8/9		5 – 8/11		
PNEUMATICS TECHNOLOGY	4	2000		28 – 31/3		6 – 9/6		5 – 8/9		5 – 8/11		
PROGRAMMABLE LOGIC CONTROLLER: BASIC PROGRAMMING	3	1500		28 – 30/3		6 – 8/6		5 – 7/9		5 – 7/12		
PROGRAMMABLE LOGIC CONTROLLER: ADVANCE PROGRAMMING	3	1500		28 – 30/3		6 – 8/6		5 – 7/9		5 – 7/12		
ELECTRICAL MOTOR OPERATION AND TROUBLESHOOTING	4	2000		28 – 31/3		6 – 9/6		5 – 8/9		5 – 8/11		
MECHATRONICS SYSTEM TROUBLESHOOTING	3	2000		28 – 30/3		6 – 8/6		5 – 7/9		5 – 7/12		
FUNDAMENTAL OF INDUSTRIAL ROBOTICS	3	1500		28 – 30/3		6 – 8/6		5 – 7/9		5 – 7/12		
INDUSTRIAL ROBOTICS SIMULATION AND PROGRAMMING	4	2000		28 – 31/3		6 – 9/6		5 – 8/9		5 – 8/11		

INDUSTRIAL ELECTRONICS DEPARTMENT			DATE - 2016								
COMPUTER & NETWORK TECHNOLOGY TRAINING PROGRAM		DURATION (DAYS)	COURSE FEE PER PAX (RM)	JANUARY - MARCH		APRIL - JUNE		JULY - SEPTEMBER		OCTOBER - DECEMBER	
LINUX SYSTEM ADMINISTRATION	5	2500			16 – 20/5					21 – 25/11	
LINUX NETWORK ADMINISTRATION	5	2500			23 – 27/5					28/11 – 2/12	
COMPUTER & OFFICE AUTOMATION	5	2000	28/3 – 1/4					5 – 9/9			
DYNAMIC WEB PROGRAMMING ( INTRODUCTION TO PHP)	3	1500	28 – 30/3		1 – 3/6			5 – 7/9		5 – 7/12	
INTERCONNECTING NETWORK DEVICES	4	2000			6 – 9/6					21 – 24/11	
NETWORK VULNERABILITY & PENETRATION TESTING	3	1800						5 – 7/9		5 – 7/12	
SECURED NETWORK DESIGN	5	2500			6 – 10/6					21 – 25/11	

INDUSTRIAL ELECTRONICS DEPARTMENT			DATE - 2016								
INSTRUMENTATION & CONTROL TECHNOLOGY TRAINING PROGRAM		DURATION (DAYS)	COURSE FEE PER PAX (RM)	JANUARY - MARCH		APRIL - JUNE		JULY - SEPTEMBER		OCTOBER - DECEMBER	
BASIC INSTRUMENTS CALIBRATION	5	2500				13-17/6		5-9/9			
INDUSTRIAL PROCESS CONTROL & INSTRUMENTATION	5	2500				13-17/6		5-9/9			
DISTRIBUTED CONTROL SYSTEM (SIEMENS) –BASIC APPLICATION	4	2000				13-16/6					13-16/12
INTRODUCTION TO VIRTUAL INSTRUMENTATION AND MEASUREMENT	4	2000				13-16/6					13-16/12
SENSOR TECHNOLOGY	5	2500				6-10/6		5-9/9			
ADVANCED PROCESS LAB EQUIPMENT & SYSTEM MAINTENANCE	3	2800				5-9/6					14-16/12
FAULT ANALYSIS – ELECTRONICS EQUIPMENT TROUBLESHOOTING & REPAIR	3	2800				5-9/6		6-8/9			
SIGNAL PERFORMANCE MONITORING (FOR ANALYTICAL & PROCESS LAB EQUIPMENT)	3	2800				5-9/6					14-16/12

INDUSTRIAL ELECTRONICS DEPARTMENT			DATE - 2016								
RENEWABLE ENERGY AND AUTOMATION TRAINING PROGRAM		DURATION (DAYS)	COURSE FEE PER PAX (RM)	JANUARY - MARCH		APRIL - JUNE		JULY - SEPTEMBER		OCTOBER - DECEMBER	
PHOTOVOLTAICS PRINCIPLES AND MATERIALS	3	2500						5-7/9			13-15/12
SOLAR PHOTOVOLTAICS ON GRID SYSTEM DESIGN	5	3000						5-9/9			13-17/12

INDUSTRIAL ELECTRONICS DEPARTMENT			DATE - 2016								
ELECTRONICS SYSTEM & COMMUNICATION TRAINING PROGRAM		DURATION (DAYS)	COURSE FEE PER PAX (RM)	JANUARY - MARCH		APRIL - JUNE		JULY - SEPTEMBER		OCTOBER - DECEMBER	
INDUSTRIAL PROJECT WITH VISUAL BASIC	3	1500			16-18/5			5-7/9		28-30/11	
ARDUINO INTERFACING & APPLICATION SYSTEM	5	2500				23-27/5		5-9/9		28/11-2/12	
HARDWARE DESCRIPTION LANGUAGE (VERILOG) BASED SYSTEM DESIGN & APPLICATION	4	2000				6-9/6				5-8/12	
MICROCONTROLLER BASED SYSTEMS	3	1500				6-8/6				5-7/12	
ORCAD PSPICE CIRCUIT SIMULATION AND ANALYSIS	4	2000				13-16/6				19-22/12	

EDUCATION & TRAINING OFFICE			DATE - 2016								
TRAINING & DEVELOPMENT TRAINING PROGRAM		DURATION (DAYS)	COURSE FEE PER PAX (RM)	JANUARY - MARCH		APRIL - JUNE		JULY - SEPTEMBER		OCTOBER - DECEMBER	
PSMB TRAIN THE TRAINER PROGRAM (SMETAP)	5	2500		21 - 25/3	18 -22/4		18 -22/7		17 - 21/10		

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

CATEGORY	MICRO	SME's	SMI's
Manufacturing	Annual sales less than RM300,000 <u>OR</u> less than 5 workers.	Annual sales from RM300,000 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 <u>OR</u> less than 5 workers.	Annual sales from RM300,000 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:

- Mr. Mohd Tanwyn bin Mohd Khushairi: 016 2098776 ([tanwyn@gmi.edu.my](mailto:tanwyn@gmi.edu.my))
- Mr. Ravdarn Raman; 03 8921 9046 or 012 265 6041 ([ravdarn@gmi.edu.my](mailto:ravdarn@gmi.edu.my))

German-Malaysian Institute,  
Jalan Ilmiah, Taman Universiti,  
43000 Kajang,  
Selangor Darul Ehsan

Tel: 03-8921 9000/03-8921 9191 (Hotline)

Fax: 8921 9003

URL: [www.gmi.edu.my](http://www.gmi.edu.my)

Email: [marketing@gmi.edu.my](mailto:marketing@gmi.edu.my)