BACHELOR OF MECHATRONICS ENGINEERING TECHNOLOGY (INDUSTRIAL AUTOMATION) WITH HONOURS - 140 CREDIT

SEMESTER			SEM I & SEM II	SEM I & SEM II	SEM I & SEM II	SEM 1	SEM II
COURSE CATEGORY	FACULTY (CORE / ELECTIVE)		BTI1133 Manufacturing Processes BTI1413 Computer Aided Design BTI1523 Electrical & Electronics BTI1212 Statics BTI1122 Industrial Quality Control BTI1323 Thermodynamics BTI1112 Engineering Materials BCI1103 Computer Programming	BTI2223 Strength of Materials BTI2412 Comp. Aided Eng. & Manufact BTI2213 Dynamics BTI2313 Fluid Mechanics BTI2123 Project Mngmt Eng. Economy BTI2622 Microcontroller BTI3513 Digital Electronics BTX2643 Robotics System Modelling	BTI3523 Sensor & Instr. System BTI2623 Industrial Automation BTI3603 Control System Engineering BTI3402 Machine Learning BTX3612 Industrial IoT BTI3413 Programming for ET BTI3503 Electrical Drive System BTI3821 Internship Preparation BTx3xx3 Elective 1 BTx3xx3 Elective 2 BTx3xx3 Elective 3 BTx3xx3 Elective 4	BTI4812 Industrial Training (Work-based Learning (WBL) - min. 111 credit (Industrial Attachment))	BTI4710 Final Year Project BTI4122 Professional Practice & Ethics BTI4113 Occupational Safety & Health BTI3122 Fundamental of IR4.0
	FACULTY (LAB-BASED / PROJECT-BASED)			BTI2121 Material Lab	BTI3623 Capstone		BTI4710 Final Year Project
	UNIVERSITY (CORE / COMMON)	MPU	UQA2**2 Co-Curriculum (min 8 CATS) UHC1112 Falsafah & Cabaran Semasa / UHC1132 Citra Malaysia UHC1142 *Kursus Integriti dan Anti-Rasuah*	UHC1312 Adab Insani UGE2002 Technopreneurship UHC1122 Aspirasi Negara Bangsa			
		MATH & SCIENCE	BUM1113 Technical Mathematics BUM1223 Calculus	BUM2113 Applied Mathematics BUM2413 Applied Statistic			
		LANGUAGE & OTHERS	ULE1310 Fundamental of English Language* UL*1312 Foreign Language ULE1322 Eng. for Academic Comm	ULE2342 English for Pro. Comm. ULE2332 English for Tech. Comm.			
TOTAL CREDIT (BY LEVEL)			37	37	37	12	17
TOTAL CREDIT (FOR GRADUATION)			140				
[1] LIST OF ELECTIVE COURSES			BTT3823 Automated Manufact. Sys.		BTT2713 Design for Manufacturing and Assembly		
			BTT3733 Simulation of Industrial System		BTX2143 Rapid Prototyping and Manufacturing		
			BTX3523 Autonomous Robotics System		BTX2433 Computer Simulation		
			BTI3433 Applied Machine Learning		BTI3423 Machine Vision		