'The Ability to Think, Analyze and Evaluate'

FACULTY OF ENGINEERING

BACHELOR OF ENGINEERING WITH HONOURS

BPKP CODE PROGRAMMES CODE HK02 Electrical and Electronics Engineering For further inquiries, please contact :-

General Office Faculty Of Engineering

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HK02 Engi	neering Elec	tric & Electro	onic					
	Year 1		Year 2		Year 3		Year 4	
	Semester 1	Semester 2	Semester 3	Semester 4	Semester 5	Semester 6	Semester 7	Semester 8
UNIVERSITY CORE (PROMOTION OF KNOWLEDGE) (8 CREDIT HOURS)	UW00202 Islamand Asian Civilisation	UW00102 Ethnic Relations UCxxx02 (Please Choose 1 uc Course)	UW00302 Fundamentals of Entrepreneurial Acculturation					
	(2 credit hours)	(4 credit hours)	(2 credit hours)					
UNIVERSITY CORE LANGUAGE (8 CREDIT HOURS)	UB00202 Oral Communication in English (For Student MUETBand 1 and 2)	UB00102 Communicative English Grammar (For Student MUET Band 1 and 2)	UB00702 English For Occupational Purposes (For Student MUETBand 1 and 2)	UB00302 Reading And Writing In English (For Student MUET Band 1 and 2)				
	(2 credit hours)	(2 credit hours)	(2 credit hours)	(2 credit hours)				
	UB00602 Grammar In Context (For Student MUET Band 3,4,5 & 6)	UB00402 Academic Reading and Writing (For Student MUET Band 3,4,5 & 6)	UB02002 English For Employment (For Student MUET Band 3,4,5 & 6)	UB00502 English For Research Purposes (For Student MUET Band 3,4,5&6)				
	(2 credit hours)	(2 credit hours)	(2 credit hours)	(2 credit hours)				
UNIVERSITY Core Co-curriculum	EXXXX3 Co-Curriculum							
(3 CREDIT HOURS)	(3 credit hours)							

2016	HK02 Engineering Electric & Electron Year 1			Vo	Year 2		Year 3		Year 4	
		Semester 1	Semester 2	Semester 3	Semester 4	Semester 5	Semester 6		Semester 8	
Course Structure Session 2015	PROGRAMME CORE (107 CREDIT HOURS)	KE06603 Engineering Programming KE04403 Calculus I KE16103 Electrical and Electronics System KE18101 Engineering Workshop (basic circuit, PCB,soldering, wiring safety)	KE05503 Calculus II KE16203 Electric Circuit Analysis KE16403 Logic Design KE18201 Engineering Lab 1 (logic, advanced	KE07702 Engineering Thermodynamics KE26103 Analog Electronic KE26303 Applied Mechanics KE26503 Differential Equations KE28101 Engineering Lab	KE26203 Material Science and Electronic Devices KE26403 Microelectronics KE26604 Computer Architecture and Microprocessors KE26803	KE36103 Measurement and Instrumentation KE36303 Control Systems KE36503 Signals and Systems KE36903 Numerical Methods KE36703 Electrical Machines KE38101	KE30005 (LI) Industrial Training KE36203 Communication Systems KE38403 Design Project KE36803 Probability and Random Processes KE36403 Power Electronics and Drives KE36603 Power System	KE08803 EthicsandLaw for Engineers KE48102 Final Year Project I KE46103 Digital Signal Processing KE46302 Engineering CAD KE46503 High Voltage Engineering Lab 6 (power electronics, High voltage)	KE09903 Management an of Accounting for Engineers KE48204 Final Year Project II KE46203 Electrical Energy Utilization	
		(10 credithours)	(10 credithours)	(12 credit hours)	(14 credithours)	(21 credithours)	(21 credithours)	(14 credithours)	(10 credithours)	
	PROGRAMME CORE (ELECTIVE) (9 CREDIT HOURS)							KA4XX03 Elective I	KA4XX03 Elective II KA4XX03 Elective III	
								(3 credit hours)	(6 credit hours)	
	TOTAL (135 CREDIT HOURS)	17	16	16	16	16	21	17	16	

*Notes:

: Language Requirements For Student MUET Band 1 and 2 & For Student MUET Band 3,4,5 & 6. Please Refer to PPIB Guidebook.

STUDENT CREDIT HOURS

: Core University (Upgrade Knowledge) + Core University (Language) + Core University

(Co-Curriculum) + Core Program + Core Program (Elective)

- : 8 Credit Hours + 8 Credit Hours + 3 Credit Hours + 107 Credit Hours + 9 Credit Hours
- : 135 Credit Hours

ELECTIVE						
I.	II	Ш				
KE41003 Industrial Automation KE42003 Image Processing KE43003 Nanoelectronics KE44003 Communications Network KE45003 Industrial Drives KE41103 Robotics KE42103 Artificial Intelligence KE43103 VLSI Technology KE44103 Wireless Communications KE45103 Alternative Energy System KE41203 State Space Analysis and Control	KE42203 Machine Vision KE43203 Photonics and Optical Integrated Circuit KE44203 Antenna Theory and Appliations KE45203 Advanced Power Systems Analysis KE41303 Digital Control Systems KE42303 Advanced Digital Signal Processing KE43303 Digital Integrated Circuit System Design KE44303 Information Theory and Coding KE45303 Electrical Machines Design KE41403 Special Topicin Control and Automation	KE42403 Special Topicin Signal an Image KE43403 Special Topic in Microelectronics KE44403 Special Topic in Communication KE45403 Special Topic in Power				