'The Ability to Think, Analyze and Evaluate'

FACULTY OF ENGINEERING

BACHELOR OF ENGINEERING WITH HONOURS

BPKP CODE PROGRAMMES CODE
HK20   **Computer Engineering**

For further inquiries, please contact :-

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Course Structure Session 2015 / 2016

HK20 Computer Engineering

	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** Islam and Asian Civilisation	**UW00102** Ethnic Relations **UCxxx02** (Choose 1 Course uc Only)	**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 MUET Band 1 and 2)	**UB00102** Communicative English Grammar (For Student MUET Band 1 and 2)	**UB00702** English For Occupational Purposes (For Student MUET Band 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 (3 CREDIT HOURS)	**EXXXX3** Co-Curriculum							
	(3 credit hours)							

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PROGRAMME CORE (107 CREDIT HOURS)	**KS04403** Calculus I **KS06603** Engineering Programming **KS10103** Electrical & Electronics Technology **KS10303** Discrete Mathematics	**KS05503** Calculus II **KS10603** Electromagnetics **KS10803** Differential Equations and Linear Algebra **KS11001** Matlab and PCB Workshop	**KS07702** Engineering Thermodynamics **KS21103** Electric Circuit Analysis **KS20504** Logic Design **KS20703** Data Structures and Algorithms	**KS21203** Analog Electronics **KS21403** Software Engineering **KS21604** Microprocessor **KS21803** Probability and Random Process **KS22001** Electronics and Circuit Lab	**KS30903** Measurement and Instrumentation **KS31303** Signals and Systems **KS31503** Microelectronics **KS31703** Control Systems **KS31904** Computer Architecture **KS32101** Instrumentation and Control Lab	**KS30005** Industrial Training (LI) **KS31203** Embedded Systems **KS30802** Computer Design **KS31403** Digital Signal Processing **KS31603** Communication System Engineering **KS31801** Signal Processing Laboratory **KS32003** Numerical Methods	**KS08803** Ethics and Law for Engineers **KS00102** Project I **KS41103** Computer Networks **KS41301** Computer Communication Lab **KS41503** Data Communication	**KS09903** Management and Accounting For Engineers **KS00204** Project II **KS40803** Operating System
	(12 credit hours)	(10 credit hours)	(12 credit hours)	(14 credit hours)	(17 credit hours)	(20 credit hours)	(12 credit hours)	(10 credit hours)
PROGRAMME CORE (ELECTIVE) (9 CREDIT HOURS)							**KS4xx03** Elective I	**KS4xx03** Elective II **KS4xx03** Elective III
							(3 credit hours)	(6 credit hours)
TOTAL (135 CREDIT HOURS)	19	16	16	16	17	20	15	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 & III**
KS41703 Object Oriented Programming **KS41903** Wireless Communications **KS42103** Image Processing	**KS00303** Power Systems For Engineers - (Compulsory) **KS41003** Distributed Computing **KS41203** Antenna and Propagation **KS41403** Computer Security **KS41603** Pattern Recognition **KS41803** Information Theory **KS42003** Advanced Signal Processing