



ELECTRICAL AND ELECTRONICS ENGINEERING PROGRAM FACULTY OF ENGINEERING

PROGRAMME OUTCOMES (PO) to COURSES MAPPING

PROGRAM CORE COURSES

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Course Code	Course Name	ЯM	104	PO2	ЕОА	PO4	SOA	9Od	404	8O4	6Od	PO10	1104	PO12	CP/E A
KE04403	Engineering Mathematics I	2													
KE05503	Engineering Mathematics II	2													
KE06603	Engineering Programming	2					X								
KE16103	Electrical & Electronic System	3	v												
KE16203	Electric Circuit Analysis	3	X												
KE16403	Logic Design	3													
KE18101	Engineering Workshop	6													
KE18201	Engineering Lab-1	6													
KE07702	Engineering Thermodynamics	1													
KE26103	Analogue Electronics	3													
KE26203	Mat. Sci. & Electronics Device	1													
KE26303	Applied Mechanics	1													
KE26403	Microelectronics	3													
KE26503	Differential Equation	2													
KE26604	Comp. Architecture & Microprocessor	5					X								X
KE26803	Electromagnetic	3													
KE28101	Engineering Lab-2	6					X								
KE28201	Engineering Lab-3	6													
KE36103	Measurement & Instrumentation	5			X										
KE36203	Communication System	3													
KE36303	Control System	3													
KE36403	Power Electronics & Drive	3													
KE36503	Signals & System	3													
KE36603	Power System	3	Х	Х		X									
KE36703	Electrical Machine	3													
KE36803	Probability & Random Process	2													
KE36903	Numerical Method	2													
KE38101	Engineering Lab-4	6													
KE38201	Engineering Lab-5	6													
KE38403	Design Project	5			X	X	X	X	X	X	Х	Х	X	Х	X
KE46103	Digital Signal Processing	3													
KE46203	Electrical Energy Utilization	4				X			X						
KE46302	Engineering CAD	6					X								
KE46503	High Voltage Engineering	4													
KE48302	Project I	8													Х
KE48101	Engineering Lab-6	6													
KE48204	Project II	8	Х	Х	Х	Х		X		X		х		Х	
KE08803	Ethics & Law for Engineers	7						X		X					
KE09903	Management & Accounting Engineers	7									Х		Х		
KE30005	Industrial Training	7													



ELECTIVE COURSE

ELECTIVE COURSE														
Course Code	Course Name	KP	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
Control and Automation						_								
KE41003	Industrial Automation	4		X	х	X								X
KE41103	Robotics	4		х	х	х								X
KE41203	State Space Analysis and Control	4		X	X	X								X
KE41303	Digital Control Systems	4		X	х	Х								X
KE41403	Special Topics in Control and Automation	4		X	X	X								X
Signal Processing														
KE42003	Image Processing	4		X	Х	Х								X
KE42103	Artificial Intelligence	4		X	х	Х								X
KE42203	Machine Vision	4		X	х	Х								X
KE42303	Advanced Digital Signal Processing	4		X	х	X								X
KE42403	Special Topics in Signal Processing	4		X	х	х								X
Microelectronics														
KE43003	Nanoelectronics	4		X	X	X								X
KE43103	VLSI Technology	4		X	х	Х								X
KE43203	Photonics and Integrated Optics	4		X	х	Х								X
KE43303	Digital Integrated Circuit System Design	4		X	х	Х								X
KE43403	Special Topics in Microelectronics	4		X	X	X								X
Communications System														
KE44003	Communications Network	4		X	Х	Х								X
KE44103	Wireless Communications	4		X	X	X								X
KE44203	Antenna Theory and Applications	4		X	х	Х								X
KE44303	Information Theory and Coding	4		X	х	X								X
KE44403	Special Topics in Communications System	4		X	х	х								X
Power Systems														
KE45103	Alternative Energy System	4		X	х	Х								X
KE45203	Advanced Power System Analysis	4		X	х	х								Х
KE45303	Electrical Machines Design	4		X	x	X								X
KE45003	Industrial Drives	4		X	х	х								Х
KE45503	Special Topics in Power Systems	4		X	Х	Х								X

^{*}Indicator for green boxes – We have implemented POs in respective courses for assessment process and those are incorporated in the syllabus level.

^{*}MARK 'X'- It indicates the respective courses respective POs are considered for PO evaluation.

^{*}CP/EA -It is the complex problem and engineering activities are taken consideration from specific courses for graduate attributes.

^{*}WK – Defined for knowledge profile and level selection.