



**ELECTRICAL AND ELECTRONICS ENGINEERING PROGRAM**  
**FACULTY OF ENGINEERING**

[illegible]



## ELECTIVE COURSE

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