

## Faculty of Engineering Department of Electrical and Electronics Courses mapping to POs

					Program Outcomes											
Courses Offered to Electrical and Electronic Engineering Programme			Engineering knowledge	Problem Analysis	Design/ development of solutions	Investigation	Modern Tool Usage	The Engineer and Society	Environment and Sustainability	Ethics	Communication	Individual and Team work	Life-long Learning	Project Management and Finance		
Year	Sem	Code	Course	PO1	PO2	PO3	PO4	PO5	<b>PO6</b>	<b>PO7</b>	PO8	PO9	<b>PO10</b>	<b>PO11</b>	PO12	
1	1	JEMA1113	Engineering Mathematics I	X	X											
		JECT1113	Electric Circuits I	X	X	X										
		JELT1113	Electronics I	X	X			X								
	2	JEMA1223	Engineering Mathematics II	X	X											
		JECT1223	Electric Circuits II	X	X	X		X								
		JELT1223	Electronics II	X	X	X										
		JCOP1203	Computer Programming	X	X	X		X								
2	1	JEMA2133	Engineering Mathematics III	X	X		X									
		JACO2103	Analog Communications	X	X	X										
		JDLD2103	Digital Logic Design	X	X	X		X								
		JSSY2103	Signal and System	X	X	X		X								
		JNUM2103	Numerical Methods for Engineers	V	X	V		$\frac{X}{X}$								
		JEMA2243	Engineering Mathematics IV (Statistics & probabilities)	Y	Y	Λ	Y	71								
	2	JIML2203	Introduction to Management and Law	Λ	Λ		Λ				V	V		V	V	
				V	V	V					Λ	Λ		Λ	Λ	
		JDCO2203	Digital Communications  Electromagnetic Theory	$\Lambda$	$\Lambda$	$egin{array}{c c} oldsymbol{\Lambda} & & & \\ oldsymbol{V} & & & \end{array}$										
		JELM2203	Electromagnetic Theory	X	X	X V										
3		JICS2203	Instrumentation and Control System	X	X	X					<b>3</b> 7	<b>1</b> 7				
	1		Safety, Health and Environment (S. H. E)	<b>X</b> 7	<b>X</b> 7	X		V			X	X				
		JDSD3103	Digital VLSI System Design	X	X	X		X								
		JEMA3113	Electrical Machines I	X	X	X		Λ								
		JPEL3103	Power Electronics	X	X			X								
		JPWR3113	Power System I	X	X	X		X								
	2	JENS3202	Engineers and Society						X	X	X					
		JCOT3203	Control Theory	X	X	X		X								
		JDIC3203	Digital Integrated Circuit	X	X	X		X								
		JMDC3203	Microwave Devices and Components	X	X	X										
		JCDP3203	Capstone Design Project	X	X	X		X			X	X			X	
	SB	JEPT3306	Practical Training	X					X			X	X	X		
4	1	JDSP4103	Digital Signal Processing	X	X	X	X	X								
		JMSD4403	Microprocessor system Design	X	X	X		X					X			
		JEFP4112	Final Year project I	X	X		X	X				X	X	X	X	
	2	JEFP4224	Final Year Project II	X	X		X	X				X	X	X	X	
4		IDW/D 4 4 2 2	Power System II	V	V	V		V								
		JPWR4423 JOPE4403	Power System II Optoelectronic	X	X	X		$\frac{X}{X}$								
	1	JWCM4403	Wireless Communication	X	X	X	X	X								
	-	JCMS4423	Communication II	X	X	X		X								
		JMSN4403	Multimedia system and Network	X	X	X		X								
4	2	JEMA4423	Electrical Machine II	X	X	X		X								
		JFAB4403	Fabrication Technology	X	X	X		X								
		JMIE4403	Microwave Engineering	X	X	X		X								
		JCAR4403	Computer Architecture	X	X	X		X								
		JMOS4403	CMOS Integrated Circuit	X	X	X		X								
Note		Offered by Depart	ment of Electrical and Electronics Engineering													