

Programme: B. Tech/E.E.

Semester : II

Year : Jan 2017

Courses to be offered:

Course No.	Course Title	Course Type	L	T	P	Cr	Remarks
MA 102	Mathematics – II	SC	3	1	0	4	
EC 101	Basic Electronics	ESC	3	0	0	3	EE101
PH 101	Engineering Physics	SC	3	1	0	4	
ME 102	Engineering Thermodynamics	ESC	2	0	0	2	
ES 101	Environmental Science	SC	2	0	0	2	
CS 101	Computer Programming	ESC	2	0	0	2	
ME 103	Workshop Practice-I	ESC	0	0	4	2	
EC151	Basic Electronics Lab	ESC	0	0	2	1	
PH151	Engineering Physics Lab	SC	0	0	2	1	
CS151	Computer Programming Lab	ESC	0	0	2	1	
			15	2	10		
		Total		27		22	

Programme: B. Tech/E.E

Semester : IV

Year : Jan 2017

Courses to be offered:

Course No.	Course Title	Course Type	Pre-Requisite Sub (PRS)	Pre-requisite Status	Contact Hour			Cr
					L	T	P	
EE 204	Measurement & Instrumentation	DC	EE 201		3	1	2	5
EE 205	Transmission & Distribution	DC	EE 203		3	1	2	5
EE 206	Electrical Machine I	DC	EE 101		3	1	2	5
Xnnn	OE-II	OE			3	0	2	4
MA 203	Scientific Computing	SC	CS101		3	0	0	3
MA 210	Mathematics Laboratory	SC	CS101, MA101, MA102		0	0	4	2
			Total		15	3	12	
			Total Contact Hours per week			30		24

Open Electives (II) to be offered:

C. No	Course Title	L	T	P	Cr	Prerequisites
CS 211	Object Oriented Programming	3	0	2	4	CS101

Courses to be offered:

Course No.	Course Title	Course Type	Pre-Requisite Sub (PRS)	Pre-requisite Status	Contact Hour			Cr
					L	T	P	
EE 304	Power Electronics	DC	EE 201		3	0	2	4
EE 305	Electromagnetic Theory	DC	EE 101		3	0	0	3
EE 306	Protection & Switchgear	DC	EE 208		3	0	2	4
Xnnn	DE-II	DC			3	0	2	4
Xnnn	OE-IV	DE			3	0	0	3
HS 302	Accounting & Financial Methods	HSC	HS301		3	0	0	3
					18	0	6	
					24			21

Departmental Electives (II) to be offered:

C. No	Course Title	L	T	P	Cr	Prerequisites
EE312	Embedded Systems	3	0	2	4	EE 301

Open Electives (IV) to be offered:

C. No	Course Title	L	T	P	Cr	Prerequisites
EE-321	Signals & Systems	3	0	0	3	

Courses to be offered:

Course No.	Course Title	Course Type	Pre-Requisite Sub (PRS)	Pre-requisite Status	Contact Hour			Cr
					L	T	P	
EE 402	Project-II	PW	x		0	0	16	8
EE nnn	DE-V	DE			3	0	2	4
EE nnn	DE-VI	DE			3	1	2	5
XX nnn	OE-VI	OE			3	0	0	3
					9	1	18	
		Total Contact Hours per week			28			20

Departmental Electives (V & VI) to be offered:

C. No	Course Title	L	T	P	Cr	Prerequisites
EE415	Electrical Drives & Control	3	0	2	4	EE 205
EE 411	Advanced Control System	3	1	2	5	

Open Electives (VI) to be offered:

C. No	Course Title	L	T	P	Cr	Prerequisites
EE423	Power Quality	3	0	0	3	

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Courses to be offered:

Course No.	Course Title	Contact Hour			Cr	Prerequisites	Prerequisites Status
		L	T	P			
EE 504	Computer Aided Power System Analysis	3	0	0	3	Fundamentals of Power Systems	
EE 5xx	Elective – III	3	0	0	3		
EE 5xx	Elective – IV	3	0	0	3		
EE 5xx	Elective – V	3	0	0	3		
EE 552	Power & Energy Systems Simulation Lab	0	0	6	3	Fundamentals of Power Systems / Power Electronics/ Instrumentation & Control Systems	
EE 505	Seminar-I	0	0	2	1	x	
EE 506	Minor Project	0	0	4	2	x	
		24			18		

Electives (III, VI & V) to be offered:

C. No	Course Title	L	T	P	Cr	Prerequisites
EE531	Power System transients	3	0	0	3	Fundamentals of Power Systems
EE519	Advanced Control Systems	3	0	0	3	Control Systems
EE522	Advanced DSP	3	0	0	3	DSP

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Courses to be offered:

Course No.	Course Title	Contact Hour			Credit	Prerequisites
		L	T	Prerequisites		
Semester-IV						
EE 604	Project-II	0	0	24	12	x
		24			12	