

Programme: B. Tech/E.C.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		
		<b>Total</b>		<b>27</b>		<b>22</b>	

Programme: B. Tech/E.C.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	
EC 204	Electronic Devices and Circuits	DC	EE 101		3	1	2	5
EC 205	Principles of Communication	DC	EC 203		3	1	2	5
Xnnn	OE-II	OE			3	0	2	4
Xnnn	OE-III (EE 210/CS 211)	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	2	12	
		<b>Total Contact Hours per week</b>				<b>29</b>		<b>23</b>

Open Electives (II & III) to be offered:

C. No	Course Title	L	T	P	Cr	Prerequisites
CS 204	Computer Org. & Arch	3	1	2	5	CS 201
EE 210	Electrical Technology	3	0	2	4	EE 101
CS 211	<b>Object Oriented Programming</b>	3	0	2	4	CS101

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Semester : VI

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	
EC 304	Data Communication & Networks	DC	EC 302		3	0	2	4
EC 305	Digital & Analog Integrated Circuits	DC	EC 204		4	0	2	5
EC 306	Micro-Controllers & Embedded Systems	DC	EC 301		3	0	2	4
EC 307	Fiber Optic Communication	DC	EC 203		3	0	2	4
Xnnn	DE-II (EC 312/EC 316)	DE			3	0	0	3
HS 302	Accounting & Financial Methods	HSC	HS301		3	0	0	3
					19	0	8	
					27			23

Departmental Electives (II) to be offered:

C. No	Course Title	L	T	P	Cr	Prerequisites
EC 312	Image Processing	3	0	0	3	EC203
EC 316	Microelectronic Circuits	3	0	0	3	EC204

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Semester : VIII

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	
EC 402	Project-II	PW			0	0	16	8
	DE-V (EC 527)	DE			3	0	0	3
	DE-VI (EC 413/EC 530)	DE			3	0	2	4
XX nnn	OE-VI	OE			3	0	0	3
					9	0	18	
		Total Contact Hours per week			27			18

Departmental Electives (V & VI) to be offered:

C. No	Course Title	L	T	P	Cr	Prerequisites
EC 413	Mobile communication	3	0	2	4	EC205, EC302
EC 527	Computer Arithmetic	3	0	0	3	
EC 530	Introduction to MEMS and Microsystems	3	0	2	4	

Open Electives (VI) to be offered:

C. No	Course Title	L	T	P	Cr	Prerequisites
EC 521	Low power VLSI Design	3	0	2	4	VLSI Design

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Courses to be offered:

Course No.	Course Title	Contact Hour			Credit	Prerequisites	Prerequisites Status
		L	T	P			
EC 527	Computer Arithmetic	3	0	2	4	DSP	
EC xxx	Elective-III	3	0	2	4		
EC xxx	Elective-IV	3	0	2	4		
EC xxx	Elective-V	3	0	0	3		
EC 550	Seminar-I	0	0	2	1	X	
EC 551	Minor Project	0	0	4	2	X	
		12	0	12			
		<b>24</b>			<b>18</b>		

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

C. No	Course Title	L	T	P	Cr	Prerequisites
EC 521	Low power VLSI Design	3	0	2	4	VLSI Design
EC 530	Introduction to MEMS and Microsystems	3	0	2	4	
EC 516	VLSI Physical Design	3	0	2	4	

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

C. No	Course Title	L	T	P	Cr	Prerequisites
EC 533	Adv. Engg Electromagnetic	3	0	2	4	
EC 535	Speech Signal Processing	3	0	0	3	
EC 536	Digital Image Processing	3	0	2	4	

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Semester : IV

Year : Jan 2017

Courses to be offered:

Sl. No.	Course Title	Course No.	Contact Hour			Credit	Prerequisites
			L	T	P		
1.	Project - II	EC 652	0	0	24	12	x
			0	0	24		
			<b>24</b>			<b>12</b>	