



**PRATHYUSHA ENGINEERING COLLEGE**  
**DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING**  
**ACADEMIC YEAR 2016-17**  
**LIST OF COURSES**

SEMESTER	SL. No.	COURSE CODE	COURSE TITLE	L	T	P	C
I	1.	HS6151	Technical English - I				
I	2.	MA6151	Mathematics - I	3	1	0	4
I	3.	PH6151	Engineering Physics - I	3	1	0	4
I	4.	CY6151	Engineering Chemistry - I	3	0	0	3
I	5.	GE6151	Computer Programming	3	0	0	3
I	6.	GE6152	Engineering Graphics	3	0	0	3
I	7.	GE6161	Computer Practices Laboratory	2	0	3	4
I	8.	GE6162	Engineering Practices Laboratory	0	0	3	2
I	9.	GE6163	Physics and Chemistry Laboratory - I	0	0	3	2
TOTAL				17	2	11	26
SEMESTER	SL. No.	COURSE CODE	COURSE TITLE	L	T	P	C
II	1.	HS6251	Technical English - II				
II	2.	MA6251	Mathematics - II	3	1	0	4
II	3.	PH6251	Engineering Physics - II	3	1	0	4
II	4.	CY6251	Engineering Chemistry - II	3	0	0	3
II	5.	EC6201	Electronic Devices	3	0	0	3
II	6.	EE6201	Circuit Theory	3	0	0	3
II	7.	GE6262	Physics and Chemistry Laboratory - II	3	1	0	4
II	8.	EC6211	Circuits and Devices Laboratory	0	0	2	1
TOTAL				18	3	5	24
SEMESTER	SL. No.	COURSE CODE	COURSE TITLE	L	T	P	C
III	1.	MA6351	Transforms and Partial Differential Equations	3	1	0	4
III	2.	EE6352	Electrical Engineering and Instrumentation	3	1	0	4
III	3.	EC6301	Object Oriented Programming and Data Structures	3	0	0	3
III	4.	EC6302	Digital Electronics	3	0	0	3
III	5.	EC6303	Signals and Systems	3	1	0	4
III	6.	EC6304	Electronic Circuits- I	3	1	0	4
III	7.	EC6311	Analog and Digital Circuits Laboratory	0	0	3	2
III	8.	EC6312	OOPS and Data Structures Laboratory	0	0	3	2
TOTAL				18	4	6	26
SEMESTER	SL. No.	COURSE CODE	COURSE TITLE	L	T	P	C
IV	1.	MA6451	Probability and Random Processes	3	1	0	4
IV	2.	EC6401	Electronic Circuits II	3	0	0	3
IV	3.	EC6402	Communication Theory	3	0	0	3
IV	4.	EC6403	Electromagnetic Fields	3	1	0	4
IV	5.	EC6404	Linear Integrated Circuits	3	0	0	3
IV	6.	EC6405	Control System Engineering	3	0	0	3
IV	7.	EC6411	Circuit and Simulation Integrated Laboratory	0	0	3	2
IV	8.	EC6412	Linear Integrated Circuit Laboratory	0	0	3	2
IV	9.	EE6461	Electrical Engineering and Control System Laboratory	0	0	3	2
TOTAL				18	2	9	26



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V	SL. No.	COURSE CODE	COURSE TITLE	L	T	P	C
V	1.	EC6501	Digital Communication				
V	2.	EC6502	Principles of Digital Signal Processing	3	0	0	3
V	3.	EC6503	Transmission Lines and Wave Guides	3	1	0	4
V	4.	GE6351	Environmental Science and Engineering	3	1	0	4
V	5.	EC6504	Microprocessor and Microcontroller	3	0	0	3
V	6.	EC6511	Digital Signal Processing Laboratory	3	0	0	3
V	7.	EC6512	Communication System Laboratory	0	0	3	2
V	8.	EC6513	Microprocessor and Microcontroller Laborator	0	0	3	2
<b>TOTAL</b>				<b>15</b>	<b>2</b>	<b>9</b>	<b>23</b>

SEMESTER	SL. No.	COURSE CODE	COURSE TITLE	L	T	P	C
VI	1.	MG6851	Principles of Management				
VI	2.	CS6303	Computer Architecture	3	0	0	3
VI	3.	CS6551	Computer Networks	3	0	0	3
VI	4.	EC6601	VLSI Design	3	0	0	3
VI	5.	EC6602	Antenna and Wave propagation	3	0	0	3
VI	6.	EC6001	Medical Electronics	3	0	0	3
VI	7.	EC6611	Computer Networks Laboratory	3	0	0	3
VI	8.	EC6612	VLSI Design Laboratory	0	0	3	2
VI	9.	GE6674	Communication and Soft Skills - Laboratory Based	0	0	3	2
<b>TOTAL</b>				<b>18</b>	<b>0</b>	<b>10</b>	<b>24</b>

SEMESTER	SL. No.	COURSE CODE	COURSE TITLE	L	T	P	C
VII	1.	EC6701	RF and Microwave Engineering				
VII	2.	EC6702	Optical Communication and Networks	3	0	0	3
VII	3.	EC6703	Embedded and Real Time Systems	3	0	0	3
VII	4.	EC 6004	Satellite Communication	3	0	0	3
VII	5.	EC 6011	Electro Magnetic Interference and Compatibility	3	0	0	3
VII	6.	EC 6015	Radar and Navigational Aids	3	0	0	3
VII	7.	EC6711	Embedded Laboratory	3	0	0	3
VII	8.	EC6712	Optical and Microwave Laboratory	0	0	3	2
<b>TOTAL</b>				<b>18</b>	<b>0</b>	<b>6</b>	<b>22</b>

SEMESTER	SL. No.	COURSE CODE	COURSE TITLE	L	T	P	C
VIII	1.	EC6801	Wireless Communication				
VIII	2.	EC6802	Wireless Networks	3	0	0	3
VIII	3.	CS 6003	Adhoc and Sensors Networks	3	0	0	3
VIII	4.	GE 6757	Total Quality Management	3	0	0	3
VIII	5.	EC6811	Project Work	3	0	0	3
<b>TOTAL</b>				<b>12</b>	<b>0</b>	<b>12</b>	<b>18</b>

*[Signature]*  
 HEAD OF THE DEPARTMENT

PRINCIPAL

*[Signature]*  
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