

**PRATHYUSHA ENGINEERING COLLEGE**  
**DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING**  
**ACADEMIC YEAR 2018-19**  
**LIST OF COURSES**

SEMESTER	Sl. No	COURSE CODE	COURSE TITLE	L	T	P	C
I	1	HS8151	Communicative English	4	0	0	4
I	2	MA8151	Engineering Mathematics - I	4	0	0	4
I	3	PH8151	Engineering Physics	3	0	0	3
I	4	CY8151	Engineering Chemistry	3	0	0	3
I	5	GE8151	Problem Solving and Python Programming	3	0	0	3
I	6	GE8152	Engineering Graphics	2	0	4	4
I	7	GE8161	Problem Solving and Python Programming Laboratory	0	0	4	2
I	8	BS8161	Physics and Chemistry Laboratory	0	0	4	2
TOTAL				19	0	12	25
SEMESTER	Sl. No	COURSE CODE	COURSE TITLE	L	T	P	C
II	1.	HS8251	Technical English	4	0	0	4
II	2.	MA8251	Engineering Mathematics - II	4	0	0	4
II	3.	PH8253	Physics for Electronics Engineering	3	0	0	3
II	4.	BE8254	Basic Electrical and Instrumentation Engineering	3	0	0	3
II	5.	EC8251	Circuit Analysis	4	0	0	4
II	6.	EC8252	Electronic Devices	3	0	0	3
II	7.	EC8261	Circuits and Devices Laboratory	0	0	4	2
II	8	GE8261	Engineering Practices Laboratory	0	0	4	2
TOTAL				21	0	8	25
SEMESTER	Sl. No	COURSE CODE	COURSE TITLE	L	T	P	C
III	1.	MA8352	Linear Algebra and Partial Differential Equations	4	0	0	4
III	2.	EC8393	Fundamentals of Data Structures In C	3	0	0	3
III	3.	EC8351	Electronic Circuits- I	3	0	0	3
III	4.	EC8352	Signals and Systems	4	0	0	4
III	5.	EC8392	Digital Electronics	3	0	0	3
III	6.	EC8391	Control Systems Engineering	3	0	0	3
III	7.	EC8381	Fundamentals of Data Structures in C Laboratory	0	0	4	2
III	8.	EC8361	Analog and Digital Circuits Laboratory	0	0	4	2
III	9.	HS8381	Interpersonal Skills/Listening & Speaking	0	0	2	1
TOTAL				20	0	10	25
SEMESTER	Sl. No.	COURSE CODE	COURSE TITLE	L	T	P	C
IV	1	MA8451	Probability and Random Processes	4	0	0	4
IV	2.	EC8452	Electronic Circuits II	3	0	0	3
IV	3.	EC8491	Communication Theory	3	0	0	3
IV	4.	EC8451	Electromagnetic Fields	3	0	0	3
IV	5	EC8453	Linear Integrated Circuits	4	0	0	4
IV	6.	GE8291	Environmental Science and Engineering	3	0	0	3
IV	7.	EC8461	Circuits Design and Simulation Laboratory	0	0	4	2
IV	8	EC8462	Linear Integrated Circuits Laboratory	0	0	4	2
TOTAL				20	0	8	24

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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	0	0	3
V	5	EC6504	Microprocessor and Microcontroller	3	0	0	3
V	6	EC6511	Digital Signal Processing Laboratory	0	0	3	2
V	7	EC6512	Communication System Laboratory	0	0	3	2
V	8	EC6513	Microprocessor and Microcontroller Laboratory	0	0	3	2
<b>TOTAL</b>				<b>15</b>	<b>2</b>	<b>9</b>	<b>23</b>

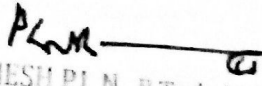
SEMESTER	SL. No.	COURSE CODE	COURSE TITLE	L	T	P	C
VI	1	MG6851	Principles of Management	3	0	0	3
VI	2	CS6303	Computer Architecture	3	0	0	3
VI	3	CS6551	Computer Networks	3	0	0	3
VI	4	EC6601	VLSI Design	3	0	0	3
VI	5	EC6602	Antenna and Wave propagation	3	0	0	3
VI	6	EC6001	Medical Electronics	3	0	0	3
VI	7	EC6611	Computer Networks Laboratory	0	0	3	2
VI	8	EC6612	VLSI Design Laboratory	0	0	3	2
VI	9	GE6674	Communication and Soft Skills - Laboratory Based	0	0	4	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	3	0	0	3
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	0	0	3	2
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	3	0	0	3
VIII	2	EC6802	Wireless Networks	3	0	0	3
VIII	3	GE6075	Professional Ethics in Engineering	3	0	0	3
VIII	4	GE 6757	Total Quality Management	3	0	0	3
VIII	5	EC6811	Project Work	0	0	12	6
<b>TOTAL</b>				<b>12</b>	<b>0</b>	<b>12</b>	<b>18</b>

  
**HEAD OF THE DEPARTMENT**

**PRINCIPAL**

  
**Dr. RAMESH P.L.N., B.Tech., M. Tech., Ph.D.**  
 Principal  
**PRATHYUSHA ENGINEERING COLLEGE**  
 Poonamallee to Thiruvallur High Road,  
 Chennai- 602025