

PRATHYUSHA ENGINEERING COLLEGE
DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING
ACADEMIC YEAR 2017-18

LIST OF COURSES

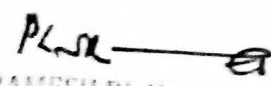
SEMESTER	Sl. No	COURSE CODE	COURSE TITLE	L	T	P	C
I	1.	HS8151	Communicative English	4	0	0	4
I	2.	MA8151	Engineering Mathematics - I	4	0	0	4
I	3.	PH8151	Engineering Physics	3	0	0	3
I	4.	CY8151	Engineering Chemistry	3	0	0	3
I	5.	GE8151	Problem Solving and Python Programming	3	0	0	3
I	6.	GE8152	Engineering 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.	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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SEMESTER	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 Laboratory	0	0	3	2
TOTAL				15	2	9	23
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	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
TOTAL				18	0	10	24
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
TOTAL				18	0	6	22
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
TOTAL				12	0	12	18


 HEAD OF THE DEPARTMENT

PRINCIPAL


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