



PRATHYUSHA ENGINEERING COLLEGE
DDEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING
ACADEMIC YEAR 2017-18
LIST OF COURSES

SEMESTER	SL. No.	COURSE CODE	COURSE TITLE	Category	L	T	P	C
I	1	HS8151	Communicative English	HS	0	0	4	4
I	2	MA8151	Engineering Maths I	BS	0	0	4	4
I	3	PH8151	Engineering Physics	BS	0	0	3	3
I	4	CY8151	Engineering Chemistry	BS	0	0	3	3
I	5	GE8151	Problem Solving and Python Programming	ES	0	0	3	3
I	6	GE8152	Engineering Graphics	ES	0	4	4	2
I	7	GE8161	Problem Solving and Python Programming	ES	0	4	2	0
I	8	BS8161	Physics and Chemistry Laboratory	BS	0	4	2	0
TOTAL					0	12	25	19

SEMESTER II								
SEMESTER	SL. No.	COURSE CODE	COURSE TITLE	Category	L	T	P	C
II	1	HS8251	Technical English	HS	0		4	4
II	2	MA8251	Engineering Mathematics – II	BS	0		4	4
II	3	PH8252	Physics for Information Science	BS	0		3	3
II	4	BE8252	Basic Civil and Mechanical Engineering	ES	0		4	4
II	5	EE8251	Circuit Theory	PC	2		2	2
II	6	GE8291	Environmental Science and Engineering	HS	0		3	3
II	7	GE8261	Engineering Practices Lab	ES	0		2	0
II	8	EE8261	Electric Circuits Laboratory	PC	0		2	0
TOTAL					2		25	20

SEMESTER III								
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	EE6301	Digital Logic Circuits		3	1	0	4
III	3	EE6302	Electromagnetic Theory		3	1	0	4
III	4	GE6351	Environmental Science and Engineering		3	0	0	3
III	5	EC6202	Electronic Devices and Circuits		3	1	0	4
III	6	EE6303	Linear Integrated Circuits and Applications		3	0	0	3
III	7	EC6361	Electronics Laboratory		0	0	3	2
III	8	EE6311	Linear and Digital Integrated Circuits Laboratory		0	0	3	2
TOTAL					18	4	6	26

SEMESTER IV								
SEMESTER	SL. No.	COURSE CODE	COURSE TITLE		L	T	P	C
IV	1	MA6459	Numerical Methods		3	1	0	4
IV	2	EE6401	Electrical Machines - I		3	1	0	4
IV	3	CS6456	Object Oriented Programming		3	0	0	3
IV	4	EE6402	Transmission and Distribution		3	0	0	3
IV	5	EE6403	Discrete Time Systems and Signal Processing		3	0	0	3
IV	6	EE6404	Measurements and Instrumentation		3	0	0	3
IV	7	CS6461	Object Oriented Programming Laboratory		0	0	3	2
IV	8	EE6411	Electrical Machines Laboratory - I		0	0	3	2
TOTAL					18	2	6	24

SEMESTER	SL. No.	COURSE CODE	SEMESTER V					
			COURSE TITLE					
V	1	EE6501	Power System Analysis		L	T	P	C
V	2	EE6502	Microprocessors and Microcontrollers	3	0	0	4	4
V	3	ME6701	Power Plant Engineering	3	0	0	4	4
V	4	EE6503	Power Electronics	3	0	0	3	3
V	5	EE6504	Electrical Machines - II	3	0	0	3	3
V	6	IC6501	Control Systems	3	1	0	4	3
V	7	EE6511	Control and Instrumentation Laboratory	3	1	0	4	2
V	8	GE6674	Communication and Soft Skills- Laboratory	0	0	3	2	2
V	9	EE6512	Electrical Machines Laboratory - II	0	0	4	2	2
TOTAL				18	2	10	26	23


SEMESTER	SL. No.	COURSE CODE	SEMESTER VI					
			COURSE TITLE					
VI	1.	EC6651	Communication Engineering		L	T	P	C
VI	2.	EE6601	Solid State Drives	3	0	0	3	3
VI	3.	EE6602	Embedded Systems	3	0	0	3	3
VI	4.	EE6603	Power System Operation and Control	3	0	0	3	4
VI	5.	EE6604	Design of Electrical Machines	3	1	0	4	3
VI	6.	EE6002	Elective - I Power System Transients	3	0	0	3	3
VI	7.	EE6611	Power Electronics and Drives Laboratory	0	0	3	2	2
VI	8.	EE6612	Microprocessors and Microcontrollers Laboratory	0	0	3	2	2
VI	9.	EE6613	Presentation Skills and Technical Seminar	0	0	2	1	2
TOTAL				18	1	8	24	25

SEMESTER	SL. No.	COURSE CODE	COURSE TITLE		L	T	P	C
VII	2.	EE6702	Protection and Switchgear	3	0	0	3	3
VII	3.	EE6703	Special Electrical Machines	3	0	0	3	3
VII	4.	MG6851	Principles of Management	3	0	0	3	3
VII	5.	EE6005	Elective - II Power Quality	3	0	0	3	3
VII	6.	EE6007	Elective - III Micro Electro Mechanical Systems	3	0	0	3	3
VII	7.	EE6711	Power System Simulation Laboratory	0	0	3	2	2
VII	8.	EE6712	Comprehension	0	0	2	1	2
TOTAL				18	0	5	21	22

SEMESTER	SL. No.	COURSE CODE	COURSE TITLE		L	T	P	C
VIII	2.	EE6009	Elective - IV Power Electronics for Renewable Energy Systems	3	0	0	3	3
VIII	3.	GE6075	Elective - V Professional Ethics in Engineering	3	0	0	3	3
VIII	4.	EE6811	Project Work	0	0	12	6	6
TOTAL				9	0	12	15	15

TOTAL NO OF CREDITS: 191


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PRINCIPAL

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