


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

SEMESTER	SL. No.	COURSE CODE	COURSE TITLE	L	T	P	C
I	1.	HS8151	Communicative English				
I	2.	MA8151	Engineering Maths I	4	0	0	4
I	3.	PH8151	Engineering Physics	4	0	0	4
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	0	0	4	2
I	8.	BS8161	Physics and Chemistry Laboratory	0	0	4	2
TOTAL				19	0	12	25

SEMESTER II

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.	PH8252	Physics for Information Science	3	0	0	3
II	4.	BE8252	Basic Civil and Mechanical Engineering	4	0	0	4
II	5.	EE8251	Circuit Theory	2	2	0	2
II	6.	EE8251	Environmental Science and Engineering	3	0	0	3
II	7.	GE8291	Engineering Practices Lab	0	0	4	2
II	8.	GE8261	Electric Circuits Laboratory	0	0	4	2
				20	2	8	25

SEMESTER III

SEMESTER	SL. No.	COURSE CODE	COURSE TITLE	L	T	P	C
III	1.	MA8353	Transforms and Partial Differential Equations	4	0	0	4
III	2.	EE8351	Digital Logic Circuits	2	2	0	3
III	3.	EE8391	Electromagnetic Theory	2	2	0	3
III	4.	EE8301	Electrical Machines - I	2	2	0	3
III	5.	EC8353	Electron Devices and Circuits	3	0	0	3
III	6.	ME8792	Power Plant Engineering	3	0	0	3
III	7.	EC8311	Electronics Laboratory	0	0	4	2
III	8.	EE8311	Electrical Machines Laboratory - 1	0	0	4	2
				16	6	8	23

SEMESTER	SL. No.	COURSE CODE	COURSE TITLE	SEMESTER IV			
				L	T	P	C
IV	1.	MA8491	Numerical Methods				
IV	2.	EE8401	Electrical Machines - II	4	0	0	4
IV	3.	EE8402	Transmission and Distribution	2	2	0	3
IV	4.	EE8403	Measurements and Instrumentation	3	0	0	3
IV	5.	EE8451	Linear Integrated Circuits and Applications	3	0	0	3
IV	6.	IC8451	Control Systems	3	0	0	3
IV	7.	EE8411	Electrical Machines Laboratory - II	3	2	0	4
IV	8.	EE8461	Laboratory	0	0	4	2
IV	9.	EE8412	Technical Seminar	0	0	4	2
				0	0	2	1
			TOTAL	18	4	10	25

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

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

SEMESTER	SL. No.	COURSE CODE	COURSE TITLE	L	T	P	C
VII	1.	EE6701	High Voltage Engineering	3	0	0	3
VII	2.	EE6702	Protection and Switchgear	3	0	0	3
VII	3.	EE6703	Special Electrical Machines	3	0	0	3
VII	4.	MG6851	Principles of Management	3	0	0	3
VII	5.	EE6005	Elective – II Power Quality	3	0	0	3
VII	6.	EE6007	Elective – III Micro Electro Mechanical Systems	3	0	0	3
VII	7.	EE6711	Power System Simulation Laboratory	0	0	3	2
VII	8.	EE6712	Comprehension	0	0	2	1
		TOTAL		18	0	5	21

SEMESTER VIII

SEMESTER	SL. No.	COURSE CODE	COURSE TITLE	L	T	P	C
VIII	1.	EE6801	Electric Energy Generation, Utilization and Co	3	0	0	3
VIII	2.	EE6009	Elective – IV Power Electronics for Renewable Energy Systems	3	0	0	3
VIII	3.		Elective – V Professional Ethics in Engineering	3	0	0	3
VIII		GE6075		0	0	12	6
VIII	4.	EE6811	Project Work	9	0	12	15
		TOTAL		9	0	12	15

TOTAL NO OF CREDITS: 184

S. Raj. P.

HOD

PLN
PRINCIPAL

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