



**PRATHYUSHA ENGINEERING COLLEGE**  
**DEPARTMENT OF ELECTRICAL AND ELECTRONICS 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	3	1	0	4
I	2.	MA6151	Mathematics - I	3	1	0	4
I	3.	PH6151	Engineering Physics - I	3	0	0	3
I	4.	CY6151	Engineering Chemistry - I	3	0	0	3
I	5.	GE6151	Computer Programming	3	0	0	3
I	6.	GE6152	Engineering Graphics	2	0	3	4
I	7.	GE6161	Computer Practices Laboratory	0	0	3	2
I	8.	GE6162	Engineering Practices Laboratory	0	0	3	2
I	9.	GE6163	Physics and Chemistry Laboratory - I	0	0	2	1
<b>TOTAL</b>				<b>17</b>	<b>2</b>	<b>11</b>	<b>26</b>

**SEMESTER II**

SEMESTER	SL. No.	COURSE CODE	COURSE TITLE	L	T	P	C
II	1.	HS6251	Technical English - II	3	1	0	4
II	2.	MA6251	Mathematics - II	3	1	0	4
II	3.	PH6251	Engineering Physics - II	3	0	0	3
II	4.	CY6251	Engineering Chemistry - II	3	0	0	3
II	5.	GE6251	Basic Civil and Mechanical Engineering	4	0	0	4
II	6.	EE6201	Circuit Theory	3	1	0	4
II	7.	GE6262	Physics and Chemistry Laboratory - II	0	0	2	1
II	8.	GE6263	Computer Programming Laboratory	0	1	2	2
II	9.	EE6211	Electric Circuits Laboratory	0	0	3	2
<b>TOTAL</b>				<b>19</b>	<b>4</b>	<b>7</b>	<b>27</b>

**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
<b>TOTAL</b>				<b>18</b>	<b>4</b>	<b>6</b>	<b>26</b>

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
<b>TOTAL</b>				<b>18</b>	<b>2</b>	<b>6</b>	<b>24</b>

SEMESTER V							
SEMESTER	SL. No.	COURSE CODE	COURSE TITLE	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 Based	0	0	4	2
V	9.	EE6512	Electrical Machines Laboratory - II	0	0	3	2
<b>TOTAL</b>				<b>18</b>	<b>2</b>	<b>10</b>	<b>26</b>

SEMESTER	SL. No.	COURSE CODE	COURSE TITLE	SEMESTER VI			
				L	T	P	C
VI	1.	EC6651	Communication Engineering				
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.	EE6002	Elective - I Power System Transients	3	0	0	3
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
<b>TOTAL</b>				<b>18</b>	<b>1</b>	<b>8</b>	<b>24</b>

SEMESTER	SL. No.	COURSE CODE	COURSE TITLE	SEMESTER VII			
				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
<b>TOTAL</b>				<b>18</b>	<b>0</b>	<b>5</b>	<b>21</b>

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

TOTAL NO OF CREDITS: 188

HOD

PRINCIPAL

Dr. RAMESH P.L.N., B.Tech., M.Tech., Ph.D.

Principal

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