



PSN College of Engineering and Technology (Autonomous)
Melathediyoor, Tirunelveli
REGULATIONS-2012



DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING
CURRICULUM - B.E. III TO VIII SEMESTERS

SEMESTER III

S.No	Course code	Course title	L	T	P	C
THEORY						
1	001001	Transformation Techniques	4	1	0	4
2	004001	Electromagnetic theory	3	1	0	3
3	004002	Electrical Machines-I	3	1	0	3
4	004003	Electronic Devices and circuits	3	1	0	3
5	004004	Electric Circuit Analysis	3	1	0	3
6	004005	Data Structures and Algorithms	3	0	0	3
PRACTICAL						
7	004101	Electrical Machines -I Laboratory	0	0	3	2
8	004102	Electric and Electronic circuits Laboratory	0	0	3	2
TOTAL			19	5	6	23

SEMESTER IV

S.No	Course code	Course title	L	T	P	C
THEORY						
1	004006	Numerical Methods	4	1	0	4
2	004007	Electrical Machines-II	3	0	0	3
3	004008	Measurements & Instrumentation	3	0	0	3
4	004009	Control Systems	4	0	0	4
5	004010	Linear Integrated Circuits and Applications	3	0	0	3
6	004011	Object Oriented Programming	3	0	0	3

PRACTICAL						
7	004103	Electrical Machines -II Laboratory	0	0	3	2
8	004105	Measurements and Instrumentation Laboratory	0	0	3	2
9	004104	Data Structures and Object Oriented Programming Laboratory	0	0	3	2
TOTAL			20	1	9	26

SEMESTER V

S.No	Course code	Course title	L	T	P	C
THEORY						
1	004012	Transmission and Distribution	4	1	0	4
2	004013	Power Electronics	3	0	0	3
3	004014	Power plant Engineering	3	0	0	3
4	004015	Design of Electrical Apparatus	3	1	0	3
5	004016	Communication Engineering	3	0	0	3
6	004017	Digital Logic Circuits	3	0	0	3
PRACTICAL						
7	004106	Linear Integrated and Digital Circuits Laboratory	0	0	3	2
8	004107	Control System Laboratory	0	0	3	2
9	001104	Communication Skills Laboratory	0	0	3	2
TOTAL			19	2	9	25

SEMESTER VI

S.No	Course code	Course title	L	T	P	C
THEORY						
1	004018	Power System Analysis	4	1	0	4
2	004019	Computer Organization and Architecture	3	0	0	3
3	004020	Micro Processor and Micro Controller	3	1	0	3
4	004021	Solid State Drives	3	1	0	3
5	003017	Digital Signal Processing	3	1	0	3
6	#	Elective-I	3	1	0	3

PRACTICAL						
7	004109	Micro Processor and Micro Controller Laboratory	0	0	3	2
8	004110	Power Electronics Laboratory	0	0	3	2
TOTAL			19	5	6	23

SEMESTER VII

S.No	Course code	Course title	L	T	P	C
THEORY						
1	004022	Power system operation and control	4	1	0	4
2	004023	Special Electrical Machines	3	1	0	3
3	004024	Protection and switch gear	3	1	0	3
4	004025	High voltage Engineering	3	0	0	3
5	004026	Principles of Management	3	0	0	3
6	#	Elective-II	3	1	0	3
PRACTICAL						
7	004111	Power System Simulation Laboratory	0	0	3	2
8	004112	Electrical Estimation, Costing and power wiring Laboratory	0	0	3	2
TOTAL			19	4	6	23

SEMESTER VIII

S.No	Course code	Course title	L	T	P	C
THEORY						
1	004027	Conservation and Utilization of electrical energy	4	0	0	4
2	#	Elective-III	3	1	0	3
3	#	Elective-IV	3	1	0	3
4	004301	Project	0	0	18	10
TOTAL			10	2	18	20

LIST OF ELECTIVES

Elective-I

Sl. No	Sub code	Subject Name	L	T	P	C
1	004201	Total Quality Management	3	1	0	3
2	004202	Professional Ethics and human values	3	1	0	3
3	004203	Modern Control System	3	1	0	3
4	004204	Renewable Energy Sources	3	1	0	3
5	004205	Embedded systems	3	1	0	3
6	004206	Industrial Automation	3	1	0	3

Elective-II

Sl. No	Sub code	Subject Name	L	T	P	C
1	004207	Bio medical Instrumentation	3	1	0	3
2	004208	Power system Dynamics	3	1	0	3
3	005214	Soft computing Techniques	3	1	0	3
4	004209	Fundamentals of NANO technology	3	1	0	3
5	004210	Deregulated Power system	3	1	0	3
6	004211	Flexible AC Transmission Systems	3	1	0	3

Elective-III

Sl. No	Sub code	Subject Name	L	T	P	C
1	004212	High voltage DC transmission	3	1	0	3
2	004213	Microcontroller based system design	3	1	0	3
3	004214	Computer networks	3	1	0	3
4	004215	Static Relays and Numeric protection	3	1	0	3
5	004216	Power Quality	3	1	0	3
6	004217	Operation research	3	1	0	3

Elective-IV

Sl. No	Sub code	Subject Name	L	T	P	C
1	004218	Power system Transients	3	1	0	3
2	004219	PC based Instrumentation	3	1	0	3
3	004220	Smart grid	3	1	0	3
4	004221	Power Electronic applications in Renewable energy	3	1	0	3
5	004222	Optimization Technique	3	1	0	3
6	004223	Engineering Economics and Financial Accounting	3	1	0	3