PSN College of Engineering and Technology (Autonomous)

Melathediyoor, Tirunelveli

CURRICULUM REGULATIONS-2013

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	101001	Transformation Techniques	4	1	0	4
2	105003	Electromagnetic Field theory	3	1	0	3
3	104001	Electrical Machines-I	3	0	0	3
4	104002	Electronic Devices and circuits	3	0	0	3
5	104003	Measurements & Instrumentation	3	0	0	3
6	104004	Data Structures and Algorithms	3	0	0	3
PRACTICAL						
7	104101	Electrical Machines -I Laboratory	0	0	3	2
8	104102	Electric and Electronic circuits Laboratory	0	0	3	2
9	104103	Measurements and Instrumentation Laboratory	0	0	3	2
		TOTAL	19	2	9	25

SEMESTER IV

S.No	Course code	Course title	L	T	P	C
THEORY						
1	101007	Numerical Methods	4	1	0	4
2	104005	Electrical Machines-II	3	0	0	3
3	104006	Power plant Engineering	3	0	0	3
4	104007	Control Systems	4	0	0	4
5	104008	Linear Integrated Circuits and Applications	3	0	0	3

6	104009	Object Oriented Programming	3	0	0	3
PRACTICAL						
7	104104	Electrical Machines -II Laboratory	0	0	3	2
8	104105	Control System Laboratory	0	0	3	2
9	104106	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	104010	Power System I	4	1	0	4
2	104011	Power Electronics	3	0	0	3
3	104012	Design of Electrical Apparatus	4	1	0	4
4	104013	Computer Organization and Architecture	3	1	0	3
5	104014	Communication Engineering	3	0	0	3
6	104015	Digital Logic Circuits	3	1	0	3
PRACTICAL						
7	104107	Linear Integrated and Digital Circuits Laboratory	0	0	3	2
8	104108	Power Electronics Laboratory	0	0	3	2
		TOTAL	20	4	6	24

SEMESTER VI

S.No	Course code	Course title	L	T	P	C
THEORY						
1	104016	Power System II	4	1	0	4
2	104017	Solid State Drives	3	1	0	3
3	104018	High voltage Engineering	3	1	0	3
4	104019	Digital Signal Processing	3	1	0	3
5	104020	Micro Processor and Micro Controller	3	0	0	3
6	#	Elective-I	3	1	0	3
PRACTICAL						

7	104109	Micro Processor and Micro Controller Laboratory	0	0	3	2
8	104110	English Language Laboratory	0	0	3	2
		TOTAL	19	5	6	23

SEMESTER VII

S.No	Course code	Course title	L	T	P	C
THEORY						
1		Power System- III	4	1	0	4
2		Electrical Machines-III	3	1	0	3
3		Protection and switch gear	3	1	0	3
4		Renewable Energy Sources	3	0	0	3
5		Principles of Management	3	1	0	3
6		Elective-II	3	1	0	3
PRACTICAL						
7		Power System Simulation Laboratory	0	0	3	2
8		Electrical Estimation, Costing and power wiring Laboratory	0	0	3	2
		TOTAL	19	5	6	23

SEMESTER VIII

S.No	Course code	Course title	L	T	P	C
THEORY						
1		Conservation and Utilization of Electrical Energy	3	1	0	3
2		Elective-III	3	1	0	3
3		Elective-IV	3	1	0	3
4		Project Work	0	0	18	10
		TOTAL	9	3	18	19

LIST OF ELECTIVES

Elective-I

Sl. No	Sub code	Subject Name	L	T	P	C
1	104201	Total Quality Management	3	1	0	3
2	104202	Professional Ethics in Engineering	3	1	0	3
3	104203	Modern Control System	3	1	0	3
4	104204	Embedded systems	3	1	0	3
5	104205	Operating System	3	1	0	3
6	104206	Industrial Automation	3	1	0	3

Elective-II

Sl. No	Sub code	Subject Name	L	T	P	C
1		Bio medical Instrumentation	3	1	0	3
2		Power system dynamics	3	1	0	3
3		Soft computing Technique	3	1	0	3
4		Fundamentals of NANO technology	3	1	0	3
5		Deregulated Power system	3	1	0	3
6		Flexible AC Transmission Systems	3	1	0	3

Elective-III

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

Elective-IV

Sl. No	Sub code	Subject Name	L	T	P	C
1		Power system Transients	3	1	0	3
2		PC based Instrumentation	3	1	0	3
3		Smart grid	3	1	0	3
4		Power Electronic applications in Renewable energy	3	1	0	3
5		Power system Optimization	3	1	0	3
6		Engineering Economics	3	1	0	3