

Chhattisgarh Swami Vivekananda Technical University, Bhilai (C.G.)

Scheme of Teaching, Examination & Evaluation

M.Tech/M.E. in Power System and Control

Department: Electrical Engineering

1st Semester

S. No	Board of Study	Subject Code	Subject	Period s per Week			Scheme of Examination			Total Marks	Credit L+(T+P) / 2
				L	T	P	Theory / Practical				
							ESE	CT	TA		
1	Electrical Engg.	559111 (24)	Power System Dynamics	3	1	-	100	20	20	140	4
2	Electrical Engg.	575111 (24)	Power System Optimization	3	1	-	100	20	20	140	4
3	Electrical Engg.	559113 (24)	Power System Protection	3	1	-	100	20	20	140	4
4	Electrical Engg.	575112 (24)	Non Linear Control	3	1	-	100	20	20	140	4
5	Refer Table - I		Elective -I	3	1	-	100	20	20	140	4
6	Electrical Engg.	575121 (24)	Power System Protection Lab	-	-	3	75	-	75	150	2
7	Electrical Engg.	575122 (24)	Control Systems Engg. Lab	-	-	3	75	-	75	150	2
Total				15	5	6	650	100	250	1000	24

L- Lecture T- Tutorial P- Practical ESE- End Semester Exam CT- Class Test
TA- Teacher's Assessment

TABLE -I			
ELECTIVE -I			
S. No	Board of Study	Subject Code	Subject
1	Electrical Engg.	575131 (24)	Flexible AC Transmission System
2	Electrical Engg.	559131 (24)	Power Electronics
3	Electrical Engg.	559133 (24)	Distributed Generation

Note (1) 1/4th of total strength of students subject to minimum of twenty students is required to offer an elective in the college in a Particular academic session.

Note (2) Choice of elective course once made for an examination cannot be changed in future examination

Chhattisgarh Swami Vivekananda Technical University, Bhilai (C.G.)

Scheme of Teaching, Examination & Evaluation

M.Tech./M.E. in Power System and Control

Department: Electrical Engineering

2nd Semester

S. No	Board of Study	Subject Code	Subject	Period s per Week			Scheme of Examination			Total Marks	Credit L+(T+P) / 2
				L	T	P	Theory / Practical				
							ESE	CT	TA		
1	Electrical Engg.	559211(24)	EHV AC – DC	3	1	-	100	20	20	140	4
2	Electrical Engg.	559212(24)	Power Quality	3	1	-	100	20	20	140	4
3	Electrical Engg.	559213(24)	Power System Stability & Control	3	1	-	100	20	20	140	4
4	Electrical Engg.	585214(24)	Optimal Control Systems	3	1	-	100	20	20	140	4
5	Refer Table - II		Elective - II	3	1	-	100	20	20	140	4
6	Electrical Engg.	575221(24)	Power System Computation & Simulation Lab	-	-	3	75	-	75	150	2
7	Electrical Engg.	575222(24)	Power Electronics & Power Quality Lab	-	-	3	75	-	75	150	2
Total				15	5	6	650	100	250	1000	20

L- Lecture T- Tutorial P- Practical ESE- End Semester Exam CT- Class Test TA- Teacher's Assessment

TABLE -II			
ELECTIVE -II			
S. No	Board of Study	Subject Code	Subject
1	Electrical Engg.	559231(24)	Transients in Power System
2	Electrical Engg.	559232(24)	Restructuring Power System
3	Electrical Engg.	559233(24)	Distribution System Automation

Note (1) – 1/4th of total strength of students subject to minimum of twenty students is required to offer an elective in the college in a Particular academic session .

Note (2) – Choice of elective course once made for an examination cannot be changed in future examinations.

Chhattisgarh Swami Vivekananda Technical University, Bhilai (C.G.)

Scheme of Teaching, Examination & Evaluation

M.Tech/M.E. in Power System and Control

Department: Electrical Engineering

3rd Semester

S. No	Board of Study	Subject Code	Subject	Periods per Week			Scheme of Examination			Total Marks	Credit L+(T+P) / 2
				L	T	P	Theory / Practical				
							ESE	CT	TA		
1	Electrical Engg.	575311 (24)	Digital Control Systems	3	1	-	100	20	20	140	4
2	Refer Table - III		Elective - III	3	1	-	100	20	20	140	4
3	Electrical Engg.	575321 (24)	Preliminary Project	-	-	28	100	-	100	200	14
4	Electrical Engg.	575322 (24)	Seminar	-	-	3	-	-	20	20	2
Total				6	2	31	300	40	160	500	24

L- Lecture T- Tutorial P- Practical ESE- End Semester Exam CT- Class Test TA- Teacher's Assessment

TABLE -III			
ELECTIVE -III			
S. No	Board of Study	Subject Code	Subject
1	Electrical Engg.	559331 (24)	Energy Conservation & Audit
2	Electrical Engg.	559332 (24)	ANN & FUZZY Techniques
3	Electrical Engg.	559333 (24)	Power System Reliability
4	Electrical Engg.	575331 (24)	Adaptive control System

Note (1) – 1/4th of total strength of students subject to minimum of twenty students is required to offer an elective in the college in a Particular academic session .

Note (2) – Choice of elective course once made for an examination cannot be changed in future examinations.

Chhattisgarh Swami Vivekananda Technical University, Bhilai (C.G.)

Scheme of Teaching, Examination & Evaluation

M.Tech/M.E. in Power System and Control

Department: Electrical Engineering

IVth Semester

S. No	Board of Study	Subject Code	Subject	Periods per Week			Scheme of Examination			Total Marks	Credit L+(T+P) / 2
				L	T	P	Theory / Practical				
							ESE	CT	TA		
1	Electrical Engg	575421 (24)	Dissertation + Seminar + Viva-Voce	6	-	34	300	-	200	500	24
Total				6	-	34	300	-	200	500	24

L- Lecture T- Tutorial P- Practical ESE- End Semester Exam CT- Class Test TA- Teacher's Assessment

Scheme of Marks Allotment

Semester	Total Marks	Grant Total
I	1000	3000
II	1000	
III	500	
IV	500	