

KADI SARVA VISHWAVIDYALAYA, GANDHINAGAR

Master of Engineering Electrical Power System Semester 1 Syllabus

Subject Code	Subject Name	Teaching Scheme				Total Credit	Evaluation Scheme					Total Marks
		L (Hrs)	T (Hrs)	P (Hrs)	TOTAL Hrs		Theory Hrs	Marks	IE Marks	CIA Marks	Practical / Viva Marks	
MECC-101	RESEARCH METHODOLOGY	2	0	0	2	2	3	70	30	20	0	120
MEEPS-102	MODERN CONTROL SYSTEMS	4	0	2	6	5	3	70	30	20	30	150
MEEPS-103	ECONOMICS OF POWER SYSTEMS	4	0	2	6	5	3	70	30	20	30	150
MEEPS-104	POWER SYSTEM MODELLING & SIMULATION	4	0	2	6	5	3	70	30	20	30	150
MEEPS-105 A	MAJOR ELECTIVE-I INTRODUCTION TO OPTIMIZATION TECHNIQUES	4	0	2	6	5	3	70	30	20	30	150
MEEPS-105 B	MAJOR ELECTIVE-I ADVANCED POWER SYSTEM PROTECTION	4	0	2	6	5	3	70	30	20	30	150
MEEPS-106	POWER QUALITY	3	0	0	3	3	3	70	30	20	0	120
Total		21	0	8	29	25	21	420	180	120	120	840

Master of Engineering Electrical Power System Semester 2 Syllabus

Subject Code	Subject Name	Teaching Scheme				Total Credit	Evaluation Scheme					Total Marks
		L (Hrs)	T (Hrs)	P (Hrs)	TOTAL Hrs		Theory Hrs	Marks	IE Marks	CIA Marks	Practical / Viva Marks	
MEEPS-201	FLEXIBLE AC TRANSMISSION SYSTEMS	4	0	2	6	5	3	70	30	20	30	150
MEEPS-202	POWER SYSTEM DYNAMICS & CONTROL	4	0	2	6	5	3	70	30	20	30	150
MEEPS-203	ADVANCED POWER ELECTRONICS	4	0	2	6	5	3	70	30	20	30	150
MEEPS-204 A	MAJOR ELECTIVE II RESTRUCTURED POWER SYSTEM	4	0	2	6	5	3	70	30	20	30	150
MEEPS-204 B	MAJOR ELECTIVE II HARMONIC MEASUREMENT & FILTRATION TECHNIQUES	4	0	2	6	5	3	70	30	20	30	150
MEEPS-205	RECENT TRENDS IN NONCONVENTIONAL ENERGY SYSTEMS	3	0	0	3	3	3	70	30	20	0	120
MEEPS-206	SEMINAR	0	0	4	4	2	0	0	0	40	60	100
Total		19	0	12	31	25	15	350	150	140	180	820

Master of Engineering Electrical Power System Semester 3 Syllabus

Subject Code	Subject Name	Teaching Scheme				Total Credit	Evaluation Scheme					Total Marks
		L (Hrs)	T (Hrs)	P (Hrs)	TOTAL Hrs		Theory Hrs	Marks	IE Marks	CIA Marks	Practical / Viva Marks	
MEEPS-301	ARTIFICIAL INTELLIGENCE & CONTROL IN POWER SYSTEMS	4	0	2	6	5	3	70	30	20	30	150
MEEPS-302 A	MAJOR ELECTIVE-III MICROCONTROLLER BASED SYSTEM DESIGN	4	0	2	6	5	3	70	30	20	30	150
MEEPS-302 B	MAJOR ELECTIVE-III POWER SYSTEM PLANNING & RELIABILITY	4	0	2	6	5	3	70	30	20	30	150
MEEPS-303	ENERGY MANAGEMENT & AUDIT	3	0	0	3	3	3	70	30	20	0	120
MEEPS-304	DISSERTATION PHASE-I	0	0	17	17	17	0	0	50	0	150	200
Total		11	0	21	32	30	9	210	140	60	210	620

Master of Engineering Electrical Power System Semester 4 Syllabus

Subject Code	Subject Name	Teaching Scheme				Total Credit	Evaluation Scheme					Total Marks
		L (Hrs)	T (Hrs)	P (Hrs)	TOTAL Hrs		Theory Hrs	Marks	IE Marks	CIA Marks	Practical / Viva Marks	
MEEPS-401	THESIS PROGRESS REVIEW	0	0	15	15	15	0	0	50	0	150	200
MEEPS-402	DISSERTATION PHASE-II	0	0	15	15	15	0	0	50	0	150	200
Total		0	0	30	30	30	0	0	100	0	300	400