

Rajasthan Technical University, Kota M.Tech. (Part-Time) Scheme

BRANCH CODE PS

SEMESTER I

Course Code	Course	Hrs. / Week			IA	Exam	Total
		L	T	P			
1MPS1	Power System Analysis	3	2		25	100	125
1MPS2	Advanced Power Electronics	3	2		25	100	125
1MPS5	MATLAB Programming Lab			3	60	40	100
TOTAL		6	4	3	110	240	350

SEMESTER II

Course Code	Course	Hrs. / Week			IA	Exam	Total
		L	T	P			
2MPS1	Electric Drives & Their Control	3	2		25	100	125
2MPS3	EHV AC/DC Transmission	3	2		25	100	125
2MPS5	Power System Modelling & Simulation Lab			3	60	40	100
TOTAL		6	4	3	110	240	350

SEMESTER III

Course Code	Course	Hrs. / Week			IA	Exam	Total
		L	T	P			
1MPS3	Power System Stability	3	2		25	100	125
1MPS4	Elective I	3	2		25	100	125
	1MPS4.1 Power Generation Sources						
	1MPS4.2 Economic Operation of Power System						
	1MPS4.3 Numerical Methods & Computer Programming						
2MPS4	Elective II	3	2		25	100	125
	2MPS4.1 Operation & Control of Power Systems						
	2MPS4.2 Power System Dynamics						
	2MPS4.3 Power System Planning & Reliability						
TOTAL		9	6		75	300	375

SEMESTER IV

Course Code	Course	Hrs. / Week			IA	Exam	Total
		L	T	P			
2MPS2	Advanced Power System Protection	3	2		25	100	125
3MPS1	Elective III	3	2		25	100	125
	3MPS1.1 Flexible AC Transmission Systems						
	3MPS1.2 High Voltage Direct Current Transmission						
	3MPS1.3 Power System Transients & High Voltage Engineering						
3MPS2	Elective IV	3	2		25	100	125
	3MPS2.1 Advanced Power System						
	3MPS2.2 Excitation of Synchronous Machines & Their Control						
	3MPS2.3 AI Applications to Power Systems						
TOTAL		9	6		75	300	375

SEMESTER V

Course Code	Course	Hrs. / Week			IA	Exam	Total
		L	T	P			
3MPS3	Dissertation Stage -I			2	100		100
3MPS4	Seminar			4	150		150
TOTAL				6	250		250

SEMESTER VI

Course Code	Course	Hrs. / Week			IA	Exam	Total
		L	T	P			
4MPS1	Dissertation Stage -II			16	500		500
TOTAL				16	500		500

Grand Total	30	20	28	620	1580	2200
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* As per the guidelines issued in the Previous faculty meeting dated 08/05/2008 in terms of electives.