

STUDY & EVALUATION SCHEME
M.TECH: ELECTRICAL ENGINEERING (R)
SPECIALIZATION: POWER ELECTRONICS AND ELECTRIC DRIVES
I YEAR: I SEMESTER

S. NO.	SUBJECT CODE	SUBJECT	L	T	P	CIE	ESE	TOTAL	C
THEORY									
1	MHU1002	Technical Communication	2	0	0	40	60	100	2
2	MEE1005	Electrical Drives	4	2	0	40	60	100	5
3	MEE1008	Industrial Power Electronics	4	2	0	40	60	100	5
4	MEE1006	Modeling & Analysis of Electrical Machines	4	2	0	40	60	100	5
5	MEE1007	Control Techniques in Power Electronics	4	2	0	40	60	100	5
PRACTICAL/TRAINING/PROJECT									
6	MEE1502	Power Electronics Lab	0	0	2	80	20	100	1
7	MEE1503	Power Electronics Simulation Lab	0	0	2	80	20	100	1
TOTAL			18	8	4	360	340	700	24

L - Lecture

T - Tutorial

P - Practical

CIE - Continuous Internal Evaluation

ESE-End Semester Exam

C - Credit

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I YEAR: II SEMESTER

S. NO.	SUBJECT CODE	SUBJECT	L	T	P	CIE	ESE	TOTAL	C
THEORY									
1	MUH2001	Professional Ethics	2	0	0	40	60	100	2
2	MEE2004	Advanced Electrical Drives Systems	4	2	0	40	60	100	5
3	MEE2006	Advanced Power Electrical	4	2	0	40	60	100	5
4	MEE2005	Modeling & Simulation of Power Electrical Systems	3	1	0	40	60	100	3
5	---	Elective-I	4	2	0	40	60	100	5
PRACTICAL/TRAINING/PROJECT									
6	MEE2502	Advanced Electric Drives Lab	0	0	3	80	20	100	2
7	MEE2503	Modeling & Simulation of Power Electrical Systems Lab	0	0	3	80	20	100	2
TOTAL			17	7	6	360	340	700	24

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II YEAR: III SEMESTER

S. NO.	SUBJECT CODE	SUBJECT	L	T	P	CIE	ESE	TOTAL	C
THEORY									
1	---	Elective-II	4	2	0	40	60	100	5
2	---	Elective-III	4	2	0	40	60	100	5
PRACTICAL/TRAINING/PROJECT									
3	MEE3501	Seminar/Minor Project	-	-	4	100	-	100	4
4	MEE3502	Dissertation-I	-	-	6	100	-	100	6
TOTAL			8	4	10	280	120	400	20

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II YEAR: IV SEMESTER

S. NO.	SUBJECT CODE	SUBJECT	L	T	P	CIE	ESE	TOTAL	C
THEORY									
1	MEE4501	Dissertation-II	-	-	18	80	20	100	18
2	MEE4502	Comprehensive Viva	-	-	-	100	-	100	2
TOTAL			-	-	18	180	20	200	20
GRAND TOTAL			43	19	38	1180	800	2000	88

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LIST OF ELECTIVES

S. NO.	SUBJECT CODE	SUBJECT
Elective-I (Semester-II)		
1	MEE2104	Microprocessor Controlled Electric Drives
2	MEE2105	HVDC Systems
3	MEA2101	Optimization Techniques
4	MEE2103	Active Power Conditioners
Elective-II (Semester-III)		
1	MEE3103	Switched Mode Power Converters
2	MEE3105	Special Machine
3	MEE3103	Neural Network & Fuzzy Control
4	MEE3106	Digital Controllers Architecture and Interfacing
Elective-III (Semester-III)		
1	MEE3201	Power Quality
2	MEE3202	Power Electronics Applications in Renewable Energy Systems
3	MEE3207	Digital Signal Processing and its Applications
4	MEE3205	Electric Traction System