STUDY & EVALUATION SCHEME
M.TECH: ELECTRICAL ENGINEERING(PT)
SPECIALIZATION: ELECTRIC VEHICLE TECHNOLOGY
I YEAR: I SEMESTER

S. NO	SUBJECT CODE	SUBJECT	L	T	P	CIE	ESE	TOTAL	C
THEORY									
1	MEE 1013P	Fundamentals of Electric Motors	4	2	0	40	60	100	5
2	MEE 1014P	Analog and Digital Electronic Circuits	4	2	0	40	60	100	5
3	MEE 1015P	Control Systems and Instrumentation in Automotive Systems	4	2	0	40	60	100	5
PRACTICAL/TRAINING/PROJECT									
4	MEE 1505P	Microprocessors and Controllers Lab	0	0	2	80	20	100	1
TOTAL			**12**	**6**	**2**	**200**	**200**	**400**	**16**

L - Lecture
T - Tutorial
P - Practical
CIE - Continuous Internal Evaluation
ESE-End Semester Exam
C - Credit

STUDY & EVALUATION SCHEME
M.TECH: ELECTRICAL ENGINEERING (PT)
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I YEAR: II SEMESTER

S. NO	SUBJECT CODE	SUBJECT	L	T	P	CIE	ESE	TOTAL	C
THEORY									
1	MEE2010P	Power Electronics in Electric Vehicles	4	2	0	40	60	100	5
2	MEE2011P	Energy Storage Systems and Management	4	2	0	40	60	100	5
3	MEE2012P	EV Architecture and Systems	4	2	0	40	60	100	5
PRACTICAL/TRAINING/PROJECT									
4	MEE2506P	Advanced Electrical Machines Lab	0	0	3	80	20	100	2
TOTAL			**12**	**6**	**3**	**200**	**200**	**400**	**17**

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II YEAR: III SEMESTER

S. NO	SUBJECT CODE	SUBJECT	L	T	P	CIE	ESE	TOTAL	C
THEORY									
1	MEE3001P	Control of Electric Drives	4	2	0	40	60	100	5
2	MCS3009P	Artificial Intelligence and Algorithms	4	2	0	40	60	100	5
3	MEC3011P	Automotive Embedded Systems And Communication Protocols	4	2	0	40	60	100	5
PRACTICAL/TRAINING/PROJECT									
4	MCS3510P	IOT in Automotive Systems Lab	0	0	3	80	20	100	2
TOTAL			**12**	**6**	**3**	**200**	**200**	**400**	**17**

STUDY & EVALUATION SCHEME
M.TECH: ELECTRICAL ENGINEERING (PT)
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II YEAR: IV SEMESTER

S. NO	SUBJECT CODE	SUBJECT	L	T	P	CIE	ESE	TOTAL	C
THEORY									
1	---	Elective-I	4	2	0	40	60	100	5
2	---	Elective-II	4	2	0	40	60	100	5
PRACTICAL/TRAINING/PROJECT									
3	MEE4501P	Seminar/Minor Project	-	-	4	100	-	100	4
TOTAL			**8**	**4**	**4**	**180**	**120**	**300**	**14**

STUDY & EVALUATION SCHEME
M.TECH: ELECTRICAL ENGINEERING (PT)
SPECIALIZATION: ELECTRIC VEHICLE TECHNOLOGY
III YEAR: V SEMESTER

S. NO	SUBJECT CODE	SUBJECT	L	T	P	CIE	ESE	TOTAL	C
THEORY									
1	---	Elective-III	4	2	0	40	60	100	5
PRACTICAL/TRAINING/PROJECT									
3	MEE5502P	Dissertation-I	-	-	6	100	-	100	6
TOTAL			**4**	**2**	**6**	**140**	**60**	**200**	**11**

STUDY & EVALUATION SCHEME
M.TECH: ELECTRICAL ENGINEERING (PT)
SPECIALIZATION: ELECTRIC VEHICLE TECHNOLOGY
III YEAR: VI SEMESTER

S. NO	SUBJECT CODE	SUBJECT	L	T	P	CIE	ESE	TOTAL	C
THEORY									
1	MEE6501P	Dissertation-II	-	-	18	80	20	100	18
2	MEE6502P	Comprehensive Viva	-	-	-	100	-	100	2
PRACTICAL/TRAINING/PROJECT									
TOTAL			**8**	**4**	**4**	**180**	**120**	**300**	**14**
GRAND TOTAL			**48**	**24**	**36**	**1100**	**800**	**1900**	**95**

STUDY & EVALUATION SCHEME
M.TECH: ELECTRICAL ENGINEERING (PT)
SPECIALIZATION: ELECTRIC VEHICLE TECHNOLOGY
LIST OF ELECTIVE SUBJECTS

S. NO.	SUBJECT CODE	SUBJECT	SEMESTER
Elective-1			
1.	MEC4101P	Microprocessors and Controllers	IV
2.	MCS4101P	IOT in Automotive Systems	IV
3.	MEC4102P	Electronic System Design	IV
Elective-2			
1.	MEE4100P	Charging Systems and Infrastructure	IV
2.	MEE4110P	Advanced Electrical Machines	IV
3.	MEE4111P	Automotive Testing and Certification	IV
4.	MEE4112P	DigitalManufacturingandIndustry4.0	IV
Elective-3			
1.	MEE5111P	Modeling and Simulation of EVs	V
2.	MEE5112P	Automotive Systems and Safety	V
3.	MEE5113P	Electromagnetic Interference and Electromagnetic Compatibility	V