



Chhattisgarh Swami Vivekanand Technical University, Bhilai (CG)

Scheme of Teaching & Examination

M. Tech Mechanical Engineering. (Electric Vehicle Technology)

I Semester

S. No.	Board of Study	Subject Code	Subject	Periods per Week			Scheme of Examination			Total Marks	Credit L+(T+P)/2
							Theory/Practical				
				L	T	P	ESE	CT	TA		
1	Mech.Engg	5136111 (037)	Fundamentals of Electric Vehicles	3	1	-	100	20	20	140	4
2	Elect. Engg.	5136112 (024)	Control Systems for Electric Vehicle	3	1	-	100	20	20	140	4
3	Mech. Engg	5136113 (037)	Battery and Energy Storage Systems	3	1	-	100	20	20	140	4
4	Elect. Engg.	5136114 (024)	EV Charging Technology and Infrastructure	3	1	-	100	20	20	140	4
5	ReferTable-I		Elective-1	3	1	-	100	20	20	140	4
6	Elect. Engg	5136121 (024)	EV Hardware Laboratory	-	-	3	75	-	75	150	2
7	Mech.Engg	5136122 (037)	Computational Laboratory	-	-	3	75	-	75	150	2
Total				15	5	6	650	100	250	1000	24

L-Lecture

P- Practical,

CT-Class Test

T-Tutorial

ESE-End Semester Exam

TA-Teacher's Assessment

Table-I

ELECTIVE I			
S.No.	Board of Study	Subject Code	Subject
1	Mech. Engg	5136131 (037)	Design of Electro-Mechanical Systems
2	Elect. Engg	5136132 (024)	Power Quality Control for EVs
3	Mech. Engg	5136133 (037)	Maintenance Engineering
4	Elect. Engg	5136134 (024)	Smart Grids and EV Integration

Note (1) –Choice of elective course once made for an examination cannot be changed in future examinations.