

Rajiv Gandhi Proudyogiki Vishwavidyalaya, Bhopal
New Scheme of Examination as per AICTE Flexible Curricula
Bachelor of Technology (B.Tech.) Electrical Vehicles

VI Semester

(w.e.f. Jan, 2024)

S.No.	Subject Code	Category	Subject Name	Maximum Marks Allotted					Total Marks	Contact Hours per week			Total Credits
				Theory			Practical			L	T	P	
				End Sem.	Mid Sem. Exam.	Quiz/ Assignment	End Sem	Term work					
								Lab Work & Sessional					
1.	EV 601	DC	Electric and Electronic Power Systems for Vehicles	70	20	10	30	20	150	2	1	2	4
2.	EV602	DC	Automotive Air Conditioning Systems	70	20	10	30	20	150	2	1	2	4
3.	EV 603	DE	Departmental Elective	70	20	10	-	-	100	4	-	0	4
4.	EV604	OE	Open Elective	70	20	10	-	-	100	4	-	0	4
5.	EV 605	D Lab	Hybrid and Electric Vehicles Technology Lab	-	-	-	30	20	50	-	-	6	3
6.	EV 606	O/E Lab	Soft Computing Techniques Lab	-	-	-	30	20	50	-	-	6	3
7.	EV607	IN	Internship-III	To be completed anytime during Fifth/Sixth semester. Its evaluation/credit to be added in Seventh Semester.									
8.	EV608	P	Minor Project II	-	-	-	-	50	50	-	-	4	2
9.	Additional Credits [#]	[#] Additional credits can be earned through successful completion of credit based MOOC's Courses available on SWAYAM platform (MHRD) at respective UG level.											
			Total	280	80	40	120	130	650	12	2	20	24

Departmental Electives	Open Electives
EV- 603 (a) Energy storage systems for Electric Vehicles	EV- 604 (a) Total Quality Management
EV- 603 (b) Emission Control and Diagnosis	EV- 604(b) Operation Research
EV- 603 (c) Vehicle Ergonomics & Safety Systems	EV- 604 (c) Industry 4.0

1 Hr Lecture	1 Hr Tutorial	2 Hr Practical
1 Credit	1 Credit	1 Credit