

#### Year: First

### Semester: I

					Teac Sch Hrs/V	hing eme Veel	()	Exa				
Sr. No.	Course Code	Group Code	Theory Paper/Practical	L	Т	Р	С	Forma Assessi CIA	tive nent	Summa Assessr ESI	ntive ment E	Total Marks
								Course	Lab	Course	Lab	
1	PEV101	PC	Advanced Mathematics for Electrical Engineers	4	0	0	4	50	-	100	-	100
2	17RDP101	UC	Research Methodology	4	0	0	4	50	-	100	-	100
3	PEV102	РС	Advance Power Electronics & Drives Control	4	0	0	4	50	-	100	-	100
4	PEV103	РС	Fundamental of Electric and Hybrid Vehicles	4	0	0	4	50	-	100	-	100
5	PEV104	PC	EV Batteries & Charging System	4	0	0	4	50	-	100	-	100
6	PEV111	PC	Lab Practice I	0	0	4	2	0	50	-	50	100
			TOTAL	20	0	4	22	250	50	500	50	600

CIA: Continuous Internal Assessment		CIA	Weightage	Description
L: Theory Lecture	UC: University Core	CIA 1	10%	Home Assignment
T. Tutorial	PC: Programme Core	CIA 2	20%	Mid-Term Exam (MTE)
	I C. I logramme Cole	CIA 3	10%	Seminar Presentation
<b>P</b> : Practical	<b>PE</b> : Programme Elective	CIA 4	10%	Research Based Activity
<b>TH</b> : Theory Exam.		TOTAL	50%	

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#### Year: First

#### Semester: II

					Teac Sch Hrs/V	hing eme Week	c)	Exa				
Sr. No.	Course Code	Group Code	Theory Paper/Practical	L	Т	Р	С	Forma Assessr CIA	tive nent	Summa Assessr ESF	ntive ment E	Total Marks
								Course	Lab	Course	Lab	
1	17PEV201	PC	Intelligence and Communication in Smart Grid	4	0	0	4	50	-	100	-	100
2	17PEV202	PC	Energy Storage Systems and Control	4	0	0	4	50	-	100	-	100
3	17PEV203	PC	Modern Optimization Techniques	4	0	0	4	50	-	100	-	100
4	17PEVE01 to 17PEVE03	РС	PROGRAM ELECTIVE - I	4	0	0	4	50	-	100	-	100
5	17PEVE04 to 17PEVE06	PC	PROGRAM ELECTIVE - II	4	0	0	4	50	-	100	-	100
6	17PEV211	PC	Seminar I	0	0	4	2	0	50	0	50	100
7	17PEV212	PC	Lab Practice II	0	0	4	2	0	50	0	50	100
			TOTAL	20	0	8	24	250	100	500	100	700

CIA: Continuous Internal Assessment	#: Internship for 15 days.	CIA	Weightage	Description		
L: Theory Lecture	UC: University Core	CIA 1	10%	Home Assignment		
	PC: Programme Core	CIA 2	20%	Mid-Term Exam (MTE)		
	I C. Hogramme Core	CIA 3	10%	Seminar Presentation		
<b>P</b> : Practical	<b>PE</b> : Programme Elective	CIA 4	10%	Research Based Activity		
TH: Theory Exam.		TOTAL	50%			

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## **Program Elective I**

		Course Group Code Code Theory Paper/Practical L T P C	g k)	]									
Sr. No.	Course Code		Theory Paper/Practical	L	Т	Р	C	Formative Assessment Continuous Interna Assessment (CIA)			Summa Assessi	tive nent	Total Marks
								Course	Tut	Lab	Course	Lab	
1	17PEVE01	PCE	Modelling and Simulation of EHV	4	0	0	4	50	0	0	100	0	100
2	17PEVE02	PCE	EV Standards and Testing	4	0	0	4	50	0	0	100	0	100
3	17PEVE03	PCE	Power Train Management System	4	0	0	4	50	0	0	100	0	100

#### **Program Elective II**

				(	Teac Sch Hrs/	ching eme Weel	; ()		Ex	aminati	ion Scheme		
Sr. No.	Course Code	Group Code	Theory Paper/Practical	Formative Assessment		per/Practical Formative Assessment Summati		Formative Assessment		mative	Total Marks		
		0000		L	Т	Р	С	Continuous Internal Assessment (CIA)			Assessment		
								Course	Tut	Lab	Course	Lab	
1	17PEVE04	PCE	Digital Controller	4	0	0	4	50	0	0	100	0	100
2	17PEVE05	PCE	Advanced Battery Technology for Electrical Vehicles	4	0	0	4	50	0	0	100	0	100
3	17PEVE06	PCE	Project Management	4	0	0	4	50	0	0	100	0	100

CIA: Continuous Internal Assessment	#: Internship for 15 days.	CIA	Weightage	Description
L: Theory Lecture	UC: University Core	CIA 1	10%	Home Assignment
T: Tutorial	PC: Programme Core	CIA 2	20%	Mid-Term Exam (MTE)
1. Tutonai	I C. I logramme Cole	CIA 3	10%	Seminar Presentation
<b>P</b> : Practical	<b>PE</b> : Programme Elective	CIA 4	10%	Research Based Activity
TH: Theory Exam.		TOTAL	50%	

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#### Year: Second

### Semester: III

				Teaching (Hrs/W	Teaching Scheme (Hrs/Week)			Exa						
Sr. No.	Course Code	Course Code Group Code Theory Paper/Practical L T P	L T P	L T P	L T P		L T P C		С	Forma Assessr CIA	tive nent	Summative Assessment ESE		Total Marks
								Course	Lab	Course	Lab			
1	17PEV301	PC	Seminar II	0	0	4	2	0	50	0	50	100		
2	17PEV302	PC	Dissertation I	0	0	20	10	0	50	0	50	100		
3	17PEV303	PC	Internship #	0	0	-	2	0	50	0	0	50		
			TOTAL	0	0	24	14	0	150	0	150	250		

CIA: Continuous Internal Assessment	#: Internship for 45 days.	CIA	Weightage	Description
L: Theory Lecture	UC: University Core	CIA 1	10%	Home Assignment
T: Tutorial	PC: Programme Core	CIA 2	20%	Mid-Term Exam (MTE)
	I C. I logramme Cole	CIA 3	10%	Seminar Presentation
<b>P</b> : Practical	<b>PE</b> : Programme Elective	CIA 4	10%	Research Based Activity
<b>TH</b> : Theory Exam.		TOTAL	50%	

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#### Year: Second

### Semester: IV

				(	Tea Sch (Hrs/	Teaching Scheme (Hrs/Week)			Exa			
Sr. No.	Course Code	Group Code	Theory Paper/Practical	L	Т	Р	С	Formative Assessment CIA		Summative Assessment ESE		Total Marks
								Course	Lab	Course	Lab	
1	17PEV401	PC	Seminar III	0	0	8	4	0	50	0	50	100
2	17PEV402	PC	Dissertation II	0	0	32	16	0	50	0	50	100
			TOTAL	0	0	40	20	0	100	0	100	200

CIA: Continuous Internal Assessment		CIA	Weightage	Description
L: Theory Lecture	UC: University Core	CIA 1	10%	Home Assignment
T: Tutorial	PC: Programme Core	CIA 2	20%	Mid-Term Exam (MTE)
	I C. I logramme Cole	CIA 3	10%	Seminar Presentation
<b>P</b> : Practical	<b>PE</b> : Programme Elective	CIA 4	10%	Research Based Activity
<b>TH</b> : Theory Exam.		TOTAL	50%	

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