Government Polytechnic West Champaran Electrical Engineering

Electric Vehicle (Basic) (2000611G) Sessional Work & Self-Learning

Scheme of Studies:

	Course Code	Course Title	Scheme of Study (Hours/Week)						
Board of Study			Classroom Instruction (CI)		Lab Instruction (LI)	Notional Hours (TW+ SL)	Total Hours (CI+LI+TW+SL)	Total Credits (C)	
			L	Т					
	2000605G/	Electric Vehicle							
	2000608G/	(Advanced)	03	-	04	02	09	05	
	2000611G								

Scheme of Assessment:

Board of Study	Course Code	Course Title	Assessment Scheme (Marks)						
			Theory Assessment (TA)		Term Work & Self- Learning Assessment (TWA)		Lab Assessment (LA)		WA+LA)
			Progressive Theory Assessment (PTA)	End Theory Assessment (ETA)	Internal	External	Progressive Lab Assessment (PLA)	End Laboratory Assessment (ELA)	Total Marks (TA+TWA+LA)
	2000605 G/20006 08G/200 0611G	Electric Vehicle (Advanced)	30	70	20	30	20	30	200

List of Micro Projects:

- 1. Design and build a physical model of an EV motor and powertrain components from scratch.
- 2. Build and simulate communication systems of EVs using some software tools.
- 3. Prepare a report on "the way carbon credit works and companies utilize it to reduce their emission values".
- 4. Develop an EV prototype power train using locally procured hardware components.

List of Seminar Topics:

- > Communication Systems, Sensors and batteries used in EVs.
- Safe disposal process of Used Batteries.
- > Charging Technologies used for charging the EV.
- > EV power transmission systems.