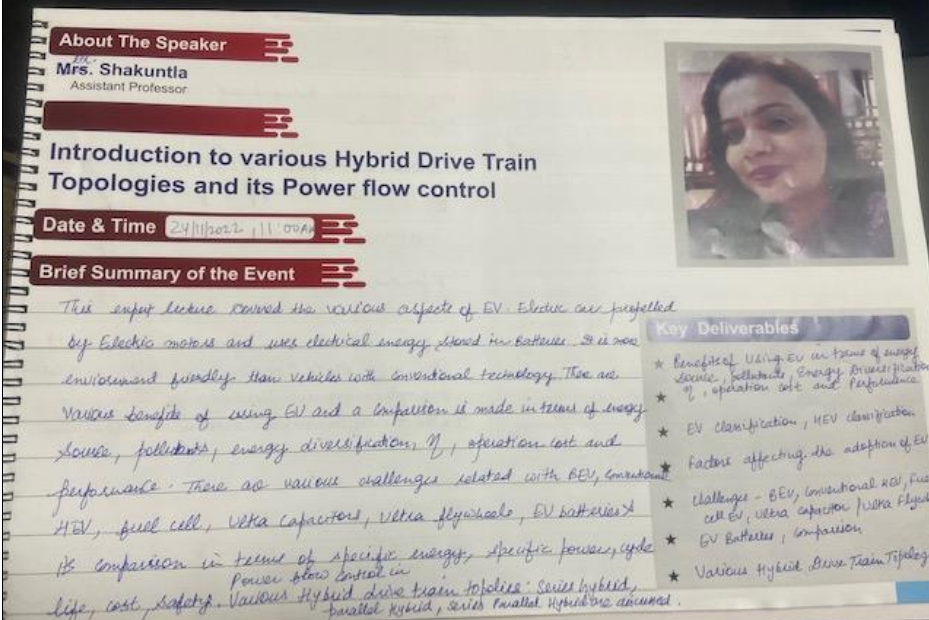
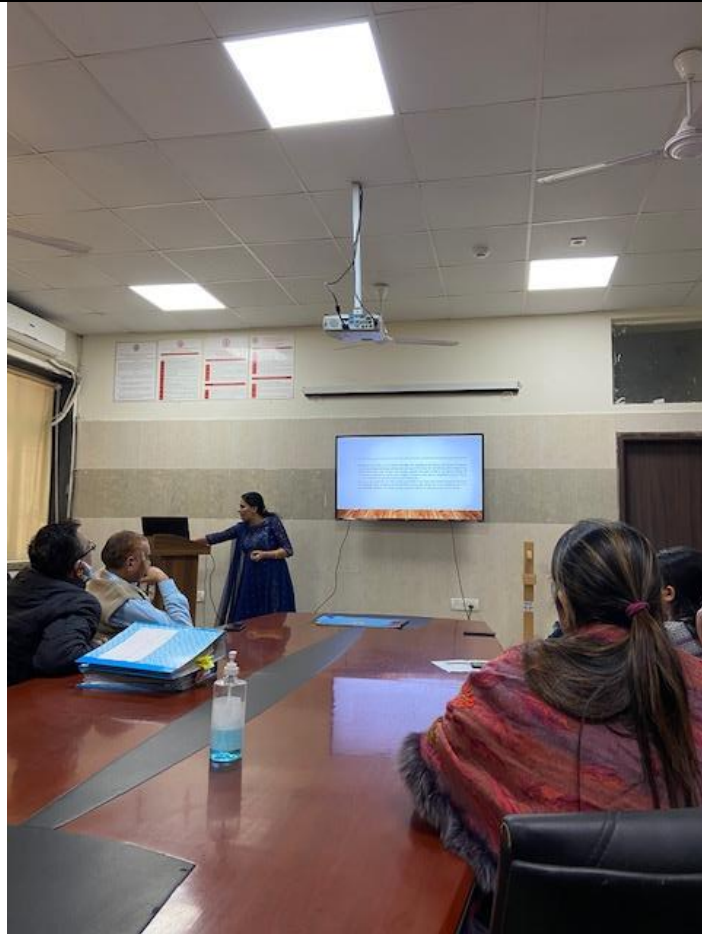


1. Name of the Activity: 5TH Lecture on “Introduction on various hybrid drive train topologies and its power flow control” by Dr. Shakuntla Boora

Name of department/ Section/ cell conducting the activity	Department of Electrical Engineering
In coordination with (if any)	----
Date of conduct	24 th November, 2022
Activity Coordinator	Ms. Shipra Jain & Ms. Bharti Thakur ,Department of Electrical Engg. JCBUST, YMCA, Faridabad
Amount Spent	
Funding/ grant from (University/ Industry/ UGC/ AICTE/ DST/ TEQIP/ Outside Society/ agency/others (mention)	
Target audience:	UG/PG students, Research Scholars and faculties of the department.
No. of beneficiaries	22
Outside guests/ Details of Experts	
Brief Description of the event	The lecture covered the various aspects of EV . Electric cars are propelled by electric motors and uses electrical energy stored in batteries. It is more environmental friendly than vehicles with conventional technology. Various challenges related to BEV , Conventional HEV ,Fuel cells, ultracapacitors are discussed. Power flow control in various hybrid drive train topologies were discussed.
Attach Brochure of the event	 <p>About The Speaker Mrs. Shakuntla Assistant Professor</p> <p>Introduction to various Hybrid Drive Train Topologies and its Power flow control</p> <p>Date & Time 24/11/2022, 11:00 AM</p> <p>Brief Summary of the Event</p> <p>The expert lecture covered the various aspects of EV. Electric cars are propelled by Electric motors and uses electrical energy stored in batteries. It is more environmental friendly than vehicles with conventional technology. There are various benefits of using EV and a comparison is made in terms of energy source, pollutants, energy diversification, η, operation cost and performance. There are various challenges related with BEV, Conventional HEV, fuel cell, ultra capacitor, ultra flywheel, EV batteries & its comparison in terms of specific energy, specific power, cycle life, cost, safety. Various Hybrid drive train topologies: Series hybrid, parallel hybrid, series parallel hybrid, series parallel hybrid are discussed.</p> <p>Key Deliverables</p> <ul style="list-style-type: none"> * Benefits of Using EV in terms of energy source, pollutants, Energy diversification, η, operation cost and Performance. * EV Classification, HEV classification * Factors affecting the adoption of EV * Challenges - BEV, Conventional HEV, Fuel cell EV, ultra capacitor, ultra flywheel, EV Batteries, Comparison * Various Hybrid Drive Train Topologies

attach two/ three good
quality photographs



Attach certificate of the event	
Any other information	