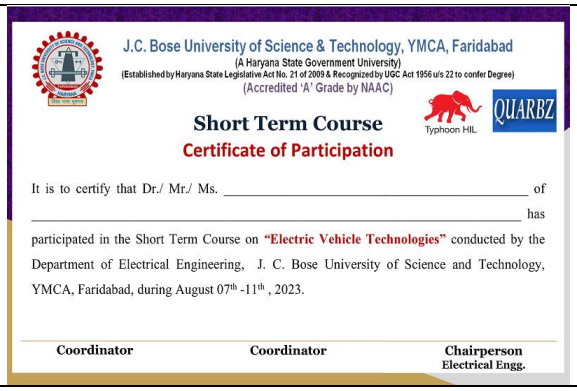
Name of the Activity:

5 days STC on "Electric Vehicle Technologies" from 7th August – 11th August, 2023.

Name of department/ Section/ cell conducting the activity	Department of Electrical Engineering
In coordination with (if any)	Typhoon HIL Switzerland and Quarbz Info System
Date of conduct	**7th August – 11th August, 2023**
Activity Coordinator	1.Dr Sakshi Kalra Associate Professor, Department of Electrical Engineering, JCBUST, YMCA, Faridabad 2. Dr Anubha Gautam Assistant Professor, Department of Electrical Engineering, JCBUST, YMCA, Faridabad
Amount Spent	Rs 47600(Appx.)
Funding/ grant from (University/ Industry/ UGC/ AICTE/ DST/ TEQIP/ Outside Society/ agency/others (mention)	Department fund
Target audience:	B, Tech Students
No. of beneficiaries	50
Outside guests/ Details of Experts	1.Mr. Arun Kapur, CEO,JBM Green Energy Systems Gurgaon 2. Prof. Mukhtiar Singh, Professor, DTU Delhi 3. Prof. R. C. Bansal, Professor, Sharjah University, UAE 4. Mr. Arun ,Automobile Expert
Brief Description of the event	Department of Electrical Engg, JCBoseUST, YMCA organised a five-day short-term course on Electric Vehicle Technologies from 7th August 2023 to 11th August 2023. Faculty members and students of the university participated in the five-day long program. The inaugural session was graced by Mr. Arun Kapoor CEO, JBM Green Energy Systems Gurugram and Professor Mukhtiar Singh from DTU Delhi. The session witnessed the presence of senior functionaries including Registrar Dr Sunil Kumar

	Garg, Dean (Institutions) Prof. Sandeep Grover, Dean (FET) Prof. Rajkumar, Chairperson of the Electrical Engg. Dept Dr. Anju Gupta and other deans, chairpersons and faculty members. The five-day program was divided into various sessions which were delivered by eminent professors' and experts from industries in the areas of Electric Vehicles. Among speakers were Mr. Arun Kapoor CEO, JBM Green Energy Systems Gurugram, Prof. Mukhtiar Singh(DTU Delhi), Prof R.C Bansal (Sharjah University UAE), Mr Arun Sivasubhramaniam from Ashok Leyland Ltd. They deliberated on a range of topics like Integration of Renewable Energy and Electric Vehicles, Battery Technology, Charging Infrastructure, Electric motors and drivetrains, market trends and adoption, issues, challenges and opportunities the area of Electric Vehicles offers has to. The hands-on practical sessions were taken by Dr. Salim Qureshi and Ms. Era Bajpai from Quarbz Info Systems Kanpur. During the practical sessions the participants were trained on simulation from very basic to the advanced level and the technology involved in Typhoon HIL. It included PV Panel design, script editing in Python, modelling and simulation of EV using signal processing toolbox of Typhoon HIL demonstration of electric vehicle with fast DC charger, design of boost converter among others. These sessions introduced the participants to the industry practices in the field of electric vehicle technology. On the fourth day of the program, the coordinators organised a visit to Omega Seiki Mobility(OSM), a manufacturing facility in Faridabad where the participants were presented with an overview of the assembly of the parts in EV cargo vehicle. They were also updated on battery design and the type of controllers that are used in the manufacturing. Participants were led through the manufacturing facility, witnessing each stage of the EV production process. Attendees gained insights into the precision and coordination required to assemble electric vehicles, from chassis to final assembly. The program was coordinated by Dr. Sakshi Kalra and Dr. Anubha Gautam. Chairperson Prof Anju Gupta concluded the program on the final day by thanking the organisers, speakers and participants in the valedictory session of the FDP. Prof. Raj Kumar, Dean (FET) also briefed the participants on the technologies around Electric Vehicles and stressed on organising such programs from time to time for knowledge upgradation of faculty members. Prof. Poonam Singhal proposed the vote of thanks to all the organisers, faculty members, students for their continuous support throughout the five-day long program. .

Attach Brochure of the event	
Attach two/three good quality photographs	 
Attach certificate of the event	

	
Any other information	-