

A
Report
On
One Day Workshop on
Electric Vehicle Technology
Organized By
**DEPARTMENT OF ELECTRICAL
ENGINEERING**



छोटुभाई गोपालभाई पटेल प्रौद्योगिकी संस्थान, बारडोली
Chhotubhai Gopalbhai Patel Institute of Technology, Bardoli

Date: 14/03/2024

Organizer: Department of Electrical Engineering, CGPIT

Presenter: Mr. Jay Patel and Mr. Nilesh Tapaniya

Workshop schedule: 9:30 Am to 11:00 Am – Mr. Jay Patel (Presentation)

11:00 Am to 12:00 Pm – Mr. Nilesh Tapaniya (Presentation)

01:30 Pm to 03:30 Pm – Mr. Jay Patel (Hands On)

Introduction:

On 14th March , 2024 Mr. Jay Patel and Mr. Nilesh Tapaniya, conducted a comprehensive workshop on electric vehicles for the electrical engineering students of CGPIT (Chhotubhai Gopalbhai Patel Institute of Technology). The workshop aimed to provide students with insights into the principles, advancements, and future prospects of electric vehicles. This report outlines the key activities, learnings, and outcomes of the workshop.

Details of Workshop:

Department of Electrical Engineering organized workshop on Electric Vehicle Technology, for the student of B. Tech. and M.Tech. student on 14th March, 2024 whose details are given as below.

Date	Branch	Total No. of Students	Accompanied Faculties
14/03/2024	B.Tech. (Electrical)	25	Mr. Ranjit Rajak & Mr. Jogesh Chaudhari
	M.Tech. (Electrical)		

Chhotubhai Gopalbhai Patel Institute of Technology		
Students List for Workshop On Electric Vehicle Technology		
B.TECH SEM 4		
Sr. No.	Enrollment No.	Student Name
1	202203103510163	Harshal Nareshbhai Patel
2	202203103510430	Bhavikbhai Harsukhbhai Patel
3	202303103520015	SAMARTH AMRUTBHAI ROHIT
4	202303103520033	JASMINBHAI RAMESHBHAI VASAVA
5	202303103520064	AYUSHKUMAR PRIYASHSINH CHAUHAN
6	202303103520112	YASH RAJENDRA PIMPLISKAR
B.TECH SEM 6		
1	202103103510157	PRITAMBHAI NARESHBHAI CHAUDHARI
2	202103103510192	AVINASH BABAR ROHIT
3	202203103520023	JAYDEEPKUMAR BHIKHUBHAI PATEL
4	202203103520024	DEV NITIN DUDHE
5	202203103520027	Jenish Vinodkumar Madhu
6	202203103520032	DHRUV DIPAKKUMAR PANWALA
7	202203103520035	KRUPESHKUMAR JAYANTIBHAI MAHYAVANSHI
B.TECH SEM 8		
1	202003103510036	Kairavikumari Amrutbhai Gamit
2	202003103510345	Deepkumar Maheshbhai Patel
3	202103103520012	Mo Zaid Jakirbhai Shekh
4	202103103520029	Yashkumar Narendrabhai Patel
5	202103103520056	Trushit Bhupendra Bhandari
6	202103103520102	Martin Manoj Martin
7	202103103520103	Yukta Arvindbhai Patel
8	202103103520104	SHUBHAMKUMAR BHARATBHAI AHIR
9	202103103520127	Akanksha Sunil Mahajan
M.TECH SEM 2		
1	202304102110001	KINJALBEN RAJESHBHAI PATEL
2	202304102110002	RIYANKUMAR DILIPBHAI GAMIT
3	202304102110003	Genesh Ramachandran Pillai
4	202304102110004	JINALKUMARI DHARMESHBHAI GAMIT

Workshop Activities:

Introduction to Electric Vehicles:

The workshop commenced with an overview of electric vehicle technology, including battery types, electric drivetrains, and charging infrastructure. Students were introduced to the environmental benefits of EVs, such as reduced greenhouse gas emissions and improved air quality.

Hands-on Demonstrations:

Students engaged in hands-on activities, including disassembling and assembling EV components such as batteries, motors, and charging connectors. They gained practical insights into the functioning of EV systems and the importance of energy efficiency.

Key Takeaways:

- **Understanding of Electric Vehicle Technology:** Students gained a comprehensive understanding of electric vehicle technology, including components, battery systems, and charging infrastructure.
- **Awareness of Market Dynamics:** Insights into market trends, regulatory policies, and industry developments provided students with a holistic perspective on the electric vehicle ecosystem.
- **Practical Exposure:** Case studies and demonstrations offered students practical exposure to electric vehicles, enabling them to appreciate the real-world applications and challenges in the field.

Glimpses of Workshop:





Feedback and Conclusion:

The workshop received positive feedback from participating students, who appreciated the depth of insights provided by Mr. Jay Patel on electric vehicle technology. By empowering youth as advocates for EV adoption and environmental stewardship, the workshop has planted the seeds for a greener, more sustainable future.