

**Department:** Mechanical Engineering

**Name of the Event:** Workshop on E Vehicles by Mr Ved Raj Khullar Assistant Professor, Department of Mechanical Engineering, DAV University Jalandhar and Dr Sharanjit Singh Assistant Professor, Department of Mechanical Engineering, DAV University Jalandhar on National Science Fest 2025.

**Date of the Event:** 27-28th Feb, 2025

**Name of the Resource Person (if applicable):** Mr Ved Raj Khullar Assistant Professor, Department of Mechanical Engineering, DAV University Jalandhar and Dr Sharanjit Singh Assistant Professor, Department of Mechanical Engineering, DAV University Jalandhar.

**Teacher Coordinator:** Mr Ved Raj Khullar Assistant Professor, Department of Mechanical Engineering, DAV University Jalandhar and Dr Sharanjit Singh Assistant Professor, Department of Mechanical Engineering, DAV University Jalandhar.

**Report:**

**The Department of Mechanical Engineering organised a one-day workshop on EV Vehicles, dated: 27/03/2025.**

The one-day workshop on Electric Vehicles (EVs) provided a comprehensive overview of the latest advancements, challenges, and opportunities in the EV industry. Designed for B. Tech. students the workshop covered key aspects of EV technology, infrastructure, and policy developments. The event began with an introduction to EV fundamentals, including battery technology, charging infrastructure, and powertrain components. Participants gained a deeper understanding of lithium-ion and emerging solid-state battery technologies, as well as innovations aimed at improving range and charging speed. A significant portion of the workshop will focus on the anatomy of an electric scooter. Experts will provide an in-depth breakdown of essential components such as the battery pack, motor, controller, and charging port. The battery pack, typically located under the scooter deck, serves as the primary power source, while the motor, usually positioned in the hub of the wheels, drives the scooter forward. The controller, often housed near the battery, regulates power flow between the battery and motor. Additionally, participants will learn about the braking system (disc, drum, or regenerative braking), suspension components, and display panels that provide speed, battery level, and diagnostic information.

**Geotagged Pictures of the event:**



Attendance Sheet of Trainers containing name of the event, department, type of the event, date on the top of the attendance sheet.



**DAV UNIVERSITY JALANDHAR**  
**NATIONAL SCIENCE DAY**  
 Feb. 27, 2025  
 (Attendance Sheet)

Name of the Event: WORKSHOP ON EV

Sr. No.	Student Name	Institute Name	Class	Signature
1.	PREETSHAN SINGH	DAV UNIVERSITY	B.TECH MECHANICAL	<del>Preetshansingh</del> <u>Shans</u>
2.	HANSPREET SINGH SANDHU	DAV UNIVERSITY	B.TECH MECHANICAL	<del>Hanspreet Singh</del> <u>Handhu</u>
3.	GUNTAZ PREET SINGH	DAV UNIVERSITY	B.TECH MECHANICAL	<del>Gunta Preet Singh</del> <u>Santapal</u>
4.	NARPREET SINGH	DAV UNIVERSITY	B.TECH CIVIL	<u>Narpreet Singh</u>
5.	SAHIL PREET	DAV UNIVERSITY	B.TECH MECH.	<u>Sahil Preet</u>
6.	NAVISH SINGH	DAV UNIVERSITY	B.TECH MECH.	<u>Navish Singh</u>
7.	Vaibhav	DAV University	B.Tech (Mech)	<u>Vaibhav</u>
8.	Gurpreet Singh	DAV University	B.Tech (Mech)	<u>Gurpreet</u>
9.	Jamneet Singh	DAV University	B.Tech (Mech)	<u>Jamneet Singh</u>
10.	Himanshu	DAV University	B.Tech (Mech)	<u>Himanshu</u>
11.	NIXANDEEP SAINI	DAV University	B.Tech (Mech)	<u>Nixan</u>
12.	Poojeet Kumar	DAV University	B.Tech (Mech)	<u>Poojeet Kumar</u>
13.	Paramveer Singh	DAV University	B.A. (Hons)	<u>Paramveer</u>
14.	Gursharan Singh	DAV University	B.B.A (4th sem)	<u>Gursharan</u>
15.	Kamalpreet Kaur	DAV University	B.Sc Maths (4th sem)	<u>Kamalpreet Kaur</u>

16) Poojeet Singh DAV University B.Tech (Mech) Poojeet  
Sachin

Vedraj  
 (10/10/2024)



**DAV UNIVERSITY JALANDHAR**  
**NATIONAL SCIENCE DAY**

Feb. 27, 2025

Registration Form

Event Name Workshop ON EV

Sr. No.	Student Name	Institute Name	Class	Mobile No.
1.	PREETSHAN SINGH	DAV UNIVERSITY	B.TECH(MECHANICAL)	9196814421
2.	HANSPREET SINGH SANDBHU	DAV UNIVERSITY	B.TECH.MECH	9056451312
3.	GANATA PREET SINGH	DAV UNIVERSITY	B.TECH.MECH	7681967523
4.	HARPREET SINGH	DAV UNIVERSITY	B.TECH CIVIL	8437176600
5.	NAVISH SINGH	DAV UNIVERSITY	B.TECH MECH.	9876694680
6.	SANID PREET	DAV UNIVERSITY	B.TECH MECH.	7087143794
7.	YADHAV	DAV UNIVERSITY	B.TECH (ELEC)	9478330993
8.	GIGANPREET SINGH	DAV UNIVERSITY	B.TECH (MECH)	7119160975
9.	TARGET SINGH	DAV UNIVERSITY	B.TECH (MECH)	9041022329
10.	HIRAS KUN	DAV UNIVERSITY	B.TECH (MECH)	6282904469
11.	ROHIT KUMAR	DAV UNIVERSITY	B.TECH (MECH)	6280641372
12.	NIXANDROP SAINI	DAV UNIVERSITY	B.TECH MEC	7658098038
13.	POORNIMA KHYL	DAV UNIVERSITY	B.A.LLO (CHEM)	9928742279
14.	CHANDHANVI SINGH	DAV UNIVERSITY	B.B.A (MGT)	8427068273
15.	KANUPREET KANU	DAV UNIVERSITY	B.Sc Maths (4 <sup>th</sup> sem)	7486540210
16.	ROHIT SINGH	"	B.TECH MECH (MECH)	9478816048
17.	SACHIN SHARMA	"	"	"

**Learning Outcomes:**

1. Entrepreneurial Opportunities
2. Design and Development