



JAIPUR ENGL. COLLEGE
AND RESEARCH CENTRE

DEPARTMENT OF MECHANICAL ENGINEERING
ADD-ON COURSE REPORT

DATE: 09.09.2021 to 15.09.2021

Instructor: Sh. Nimesh Baba

Affiliation: Founder and CEO, Baba Automobile Pvt Ltd

Topic: E-Vehicles: Power Storage & Transmission System

A one weekcourse titled 'E-Vehicles: Power Storage & Transmission System' was organized by the Department of Mechanical Engineering, Jaipur Engineering College and Research Centre,Jaipur for the students of mechanical engineering from 12.04.2021 to 17.04.2021. Mr. Hukum Chand Nagar was the faculty coordinator of this course.

Mr. Hukum Chand Nagar of mechanical engineeringdepartment welcomed the resource person and participants. He introduced the speaker Mr. Nimesh Baba with the participants in inauguration.Dr. M.P. Singh (HoD,ME) graced the event with other faculty members.

The course was focused on the following aspects of electric vehicle.

- Power Transmission System in electric vehicles.
- BLDC and Hub Motor fundamentals.
- Types of batteries and their properties.
- Controller architecture and its working.
- Troubleshooting various components of transmission system.

The speaker was very interactive with the participants attending the workshop and gave detailed information about the power storage and transmission system of electric vehicles The contents delivered by the trainer are as follow:

- Power transmission basics of E-vehicles.
- Types of motors and controllers used in E-vehicles.
- Different types battery used in electric vehicle.
- Wiring and connections of the transmission system.

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- Hall effect Sensor and its importance.
- Demonstration of Electric 2- Wheeler.
- students awareness regarding job preparation in EV industries

The trainer was very informative and provided the latest information and concepts related with electric vehicles.

- ❖ There were query sessions for students to ask their doubt about the EV.
- ❖ There were 55 participants, who got benefitted.
- ❖ After successful completion students were awarded by certificate.

Conclusion:

The main difference between E-Vehicles and Conventional Vehicles is their power storage and transmission system. Knowledge of this aspect of E-Vehicles is essential for students looking forward to a career in E-Vehicles. This course was organized to meet the gap between industry and academic knowledge. Outcomes of the workshop are:

- Giving students advance practical knowledge of Electric vehicle.
- Prepare the students for skilled mindset.
- Learning the skills which industries demand.
- Encouraging students to be Skilled Mechanical Engineers.

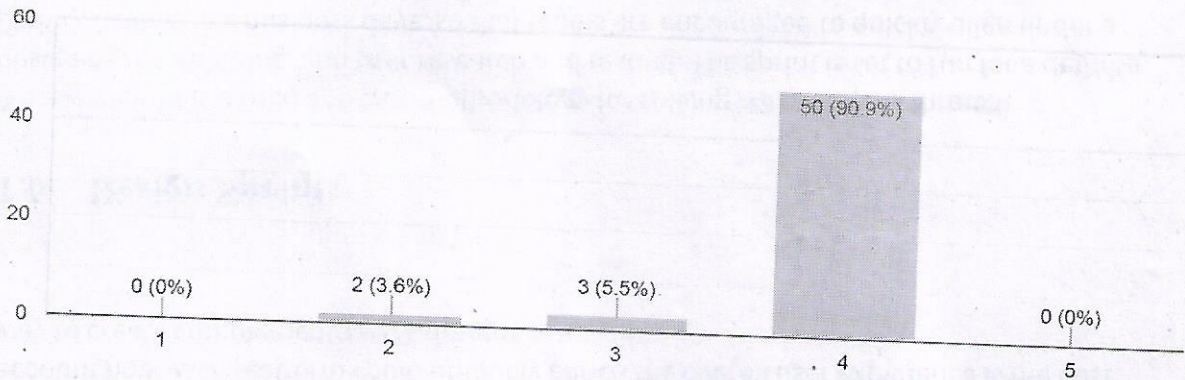
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FEEDBACK

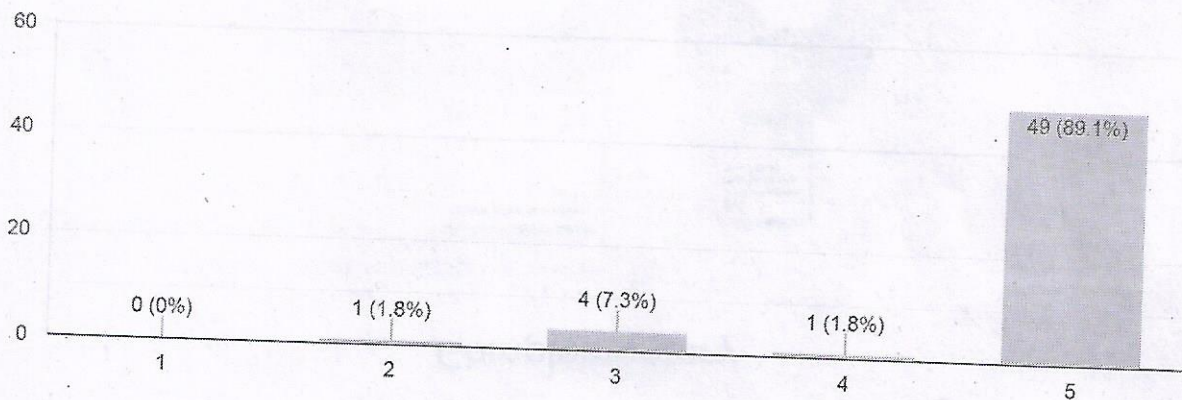
1. Relevance of content discussed by the speaker

55 responses



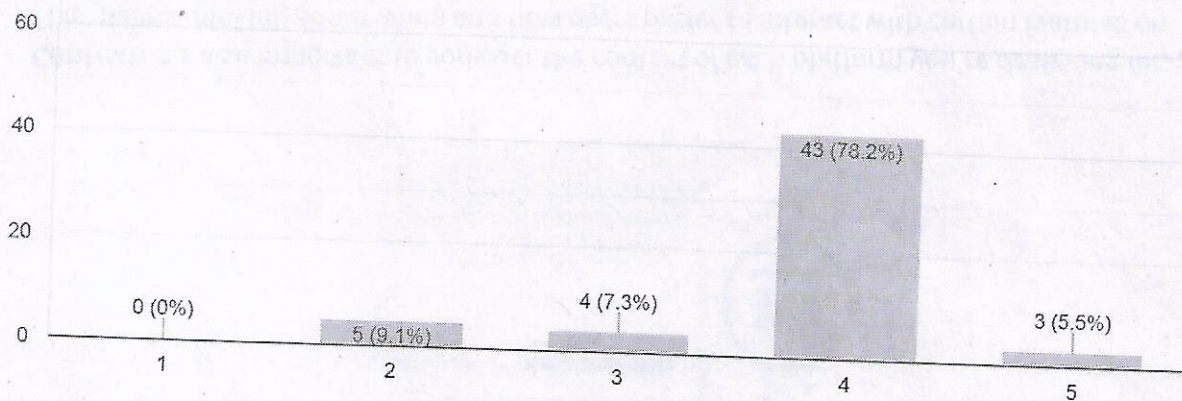
2. Usefulness of the lectures with respect to knowledge and information

55 responses



3. Explanation of the topics with relevant examples

55 responses

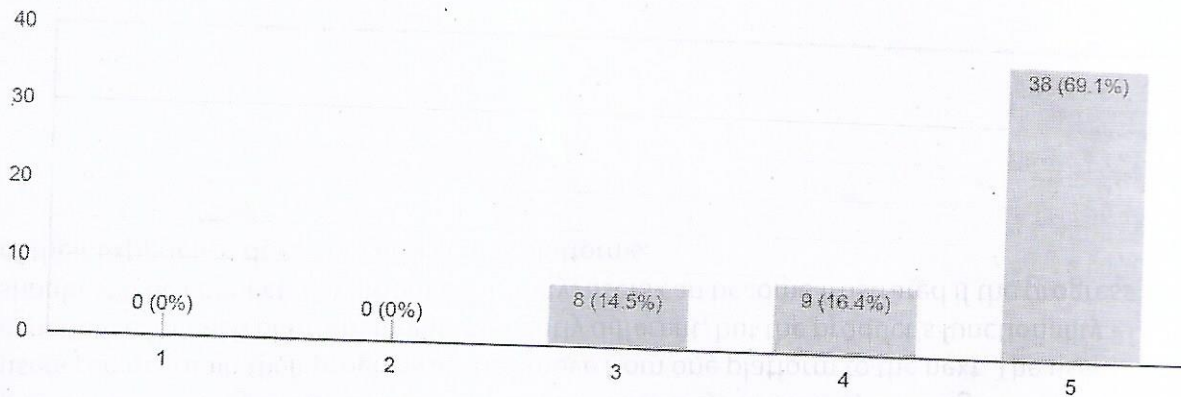


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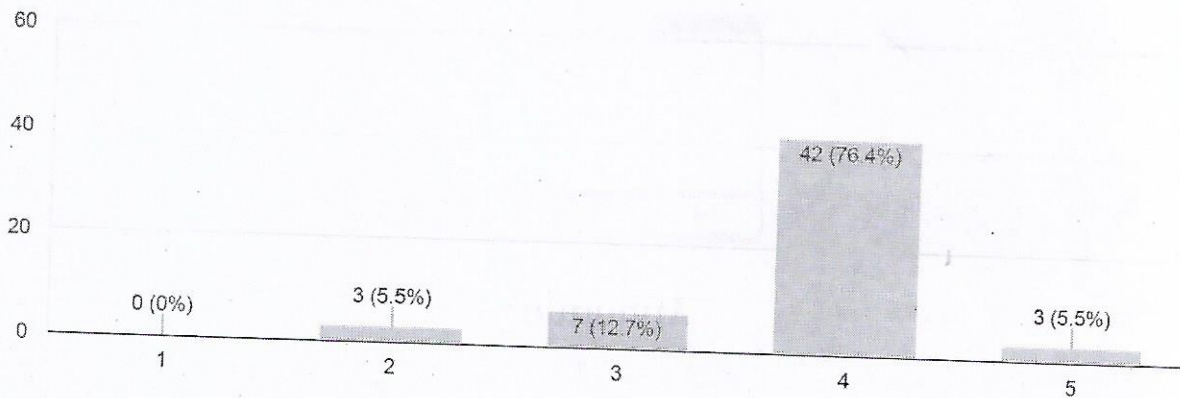
4. To what extent did you learn valuable from the this course

55 responses



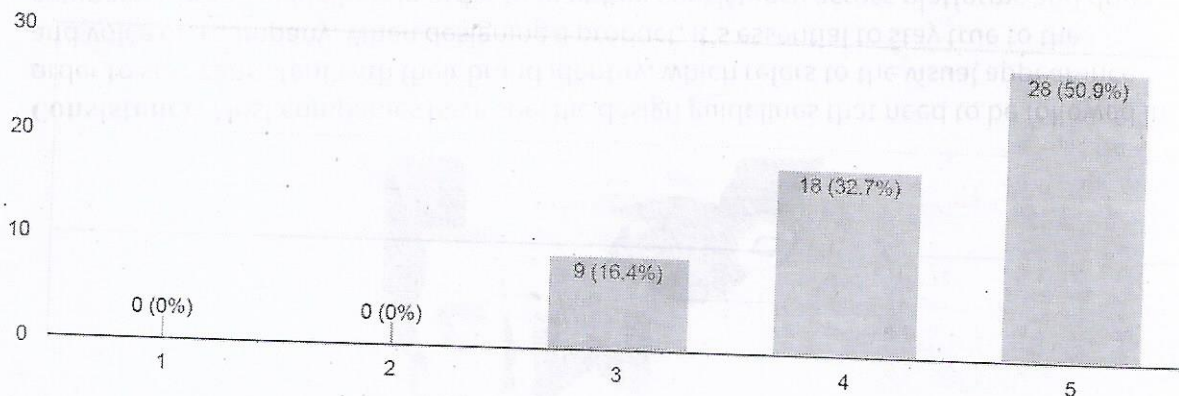
5. To what extent course challenged you intellectually

55 responses



6. To what extent speaker encouraged participation in class

55 responses

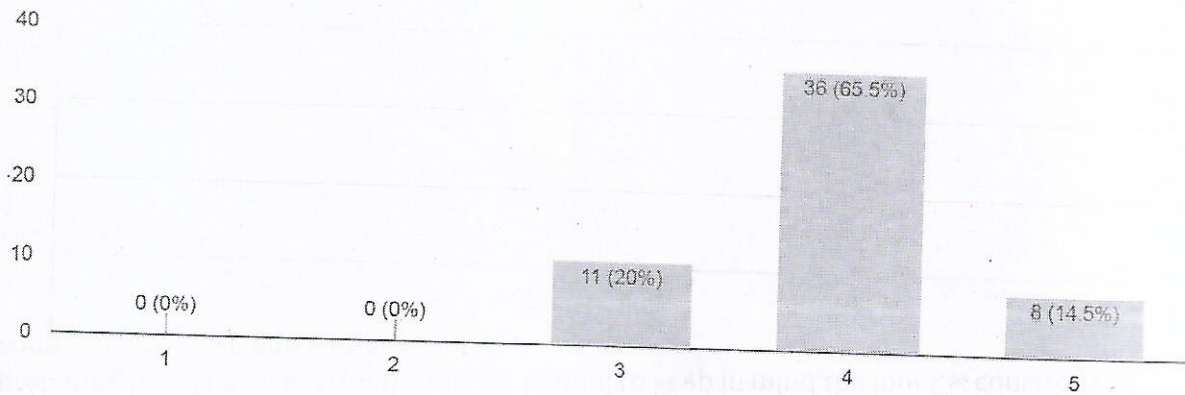


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7. Overall organization of the course

55 responses



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ADD-ON COURSE POSTER

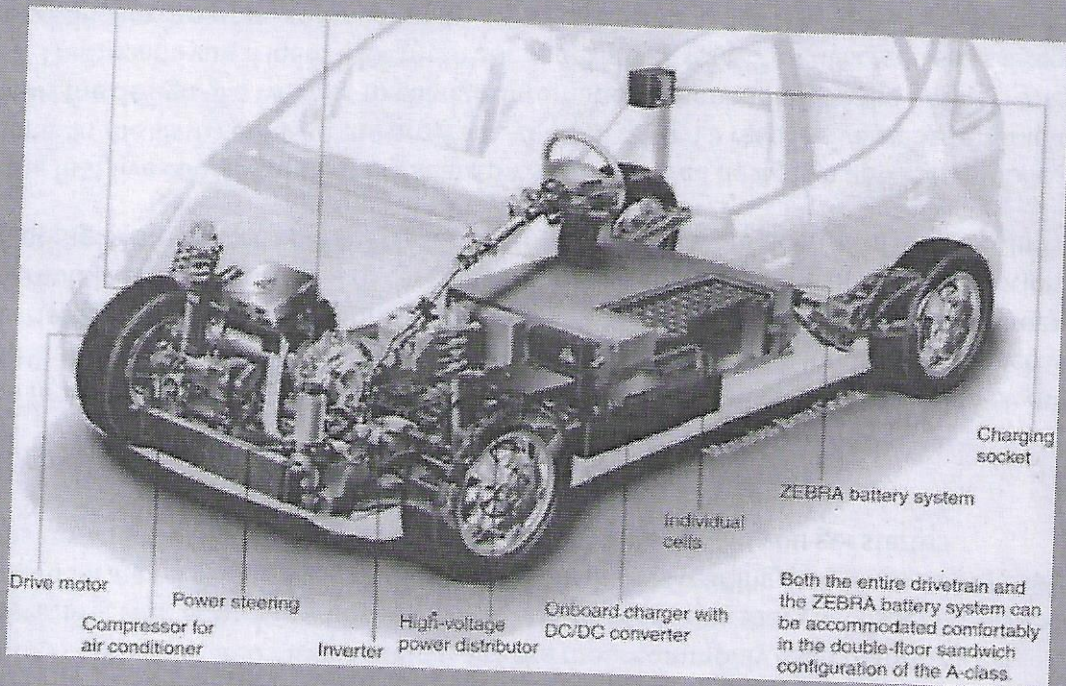


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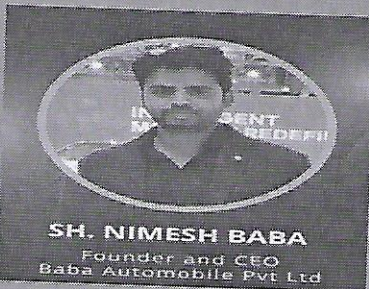
E-Vehicles

Power Storage & Transmission System




SCHEDULE

09 SEP, 2021 TO 15 SEP, 2021



Coordinator
Dr.M.P. Singh


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List of Participants

S#	RTU Roll No.	Name of the Participant
1	19EJCME002	ABHIJEET RANJAN
2	19EJCME003	ADITYA SAINI
3	19EJCME004	ADITYA SHARMA
4	19EJCME005	AKASH KUMAR VARMA
5	19EJCME006	AMAN DADHICH
6	19EJCME007	AMAN KUMAWAT
7	19EJCME008	AMIT PUROHIT
8	19EJCME009	AMIT THAKUR
9	19EJCME010	ANKIT RAJ
10	19EJCME011	ANKUR GUPTA
11	19EJCME012	ANUBHAV CHOUDHARY
12	19EJCME013	ATHARV SHARMA
13	19EJCME015	AYUSH SONI
14	19EJCME019	CHIRAG MEENA
15	19EJCME021	DHRUV GOYAL
16	19EJCME022	DIVYANSH AGARWAL
17	19EJCME023	GAJENDRA YADAV
18	19EJCME024	HARSH JAIN
19	19EJCME025	HIMANSHU SHARMA
20	19EJCME026	HITESH PANCHAL
21	19EJCME027	ISHAN ADWANI
22	19EJCME028	JITENDRA SAINI
23	19EJCME029	K K SIDDHARTH
24	19EJCME030	LAKHAN MISHRA
25	19EJCME031	LAKSHYA SHARMA
26	19EJCME033	MAHENDRA YADAV
27	19EJCME034	MANU CHOUDHARY
28	19EJCME035	MAYANK KABRA
29	19EJCME036	MAYANK SHARMA
30	19EJCME037	MOHD AMIR KHOKHAR
31	19EJCME038	MRIDUL SAINI
32	19EJCME039	NALEEN KUMAR SOMANI
33	19EJCME040	NAMAN GOYAL
34	19EJCME041	NAND KISHORE YADAV
35	19EJCME042	NEERAJ GAUTAM

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36	19EJCME043	NISHANT KUMAWAT
37	19EJCME044	NITESH GURIA
38	19EJCME045	PANKAJ SHARMA
39	19EJCME046	PARMENDRA SINGH JODHA
40	19EJCME047	PARTH KAUSHIK
41	19EJCME048	PAWAN KUMAR SHARMA
42	19EJCME049	PAWANDEEP SINGH BAGGA
43	19EJCME050	PRANJAL SIROHIYA
44	19EJCME051	PRAVESH DATWANI
45	19EJCME052	PRINCE RAJ
46	19EJCME053	PULKIT
47	19EJCME054	RAHUL DAKULIYA
48	19EJCME055	RAHUL JANGID
49	19EJCME056	RAHUL KUMAR KUMAWAT
50	19EJCME057	RIJUL KATEWA
51	19EJCME058	RISHIKESH SAHANI
52	19EJCME059	ROHIT BHATT
53	19EJCME060	ROHIT JANGID
54	19EJCME061	RONAK SONI
55	19EJCME062	SACHIN SINGH SENGER

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