



JAIPUR ENGINEERING COLLEGE  
AND RESEARCH CENTRE

**DEPARTMENT OF MECHANICAL ENGINEERING**  
**ADD ON COURSE REPORT**

**DATE:** 04.05.2022 to 10.05.2022

**Instructor:** Sh. Nimesh Baba

**Affiliation:** Founder and CEO, Baba Automobile Pvt Ltd

**Topic: Battery Powered Vehicle: Working & Assembly**

A course titled 'Battery Powered Vehicle: Working & Assembly' was organized by the Department of Mechanical Engineering, Jaipur Engineering College and Research Centre, Jaipur for the students of mechanical engineering from 04.05.2022 to 10.05.2022. Mr. Lalit Kumar Sharma (Assistant Professor) were the faculty coordinators of this workshop.

Mr. Lalit Kumar Sharma of mechanical engineering department 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 workshop was focused on various aspect related with working, disassembling and assembling of electric vehicle.

- Introduction to working of different types of electric vehicles
- Dismantling of Working Electric Vehicle.
- Dismantling and Reassembled BLDC Hub Motor
- Dismantling and Assemble Electric Vehicle Hall Sensor.
- Dismantling and Assembling Whole Wiring of Electric Vehicle and check Continuity.
- Dismantling, Rearranging, Checking of Battery Controller - BMS - Invertor System of Electric Vehicle.

The course was hands on in nature with the speaker giving detailed information about the working, disassembling and assembling of electric vehicle. Live demonstration were held every day and students were encouraged to get their 'hands dirty' by participating in dismantling and assembly of different components of E-Vehicles. The overall contents delivered by the trainer are as follow:

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- Detailed working of different electric vehicles
- Different components of electric vehicles
- Role and functions of different electric vehicle components
- Live demonstration of electric car with BLDC motor, BMS, batteries and ECU controller
- Different types of batteries used in EV.

The trainer was very informative and provided all the latest information and concepts related with working, disassembling and assembling of electric vehicle.

- ❖ There were query sessions for students to ask their doubt about the EV.
- ❖ There were 37 participants, who got benefitted.
- ❖ After successful completion students were awarded certificate.

### **Conclusion:**

Electric vehicle is the future of automotive industry and continuously capturing market share in automotive industries all over the world. So it is advisable that the students should be aware about the all technological knowledge about electric vehicle. So this workshop was organized to meet the gap between industry and academia knowledge. Outcomes of the workshop are:

- prepare the students for skilled mind set
- holistic development of students
- providing those things which a industry demand
- value added course to student
- revolution to the skilled mechanical engineering students

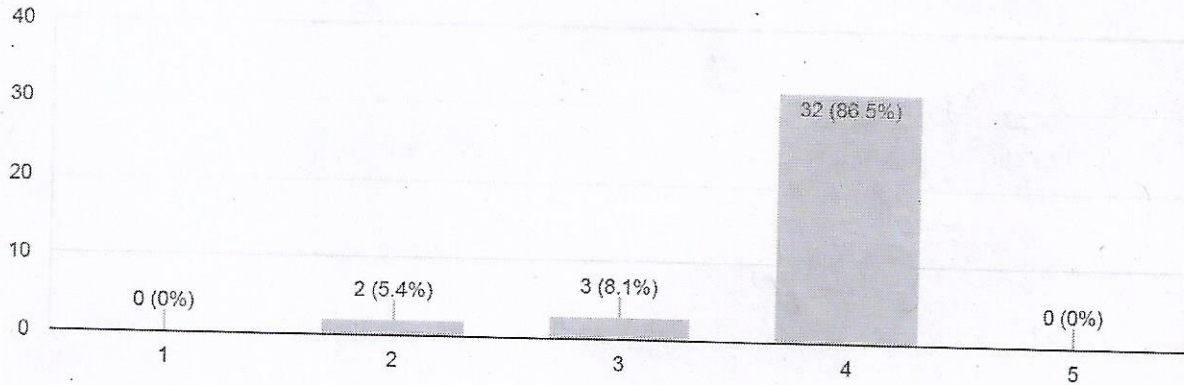
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# FEEDBACK

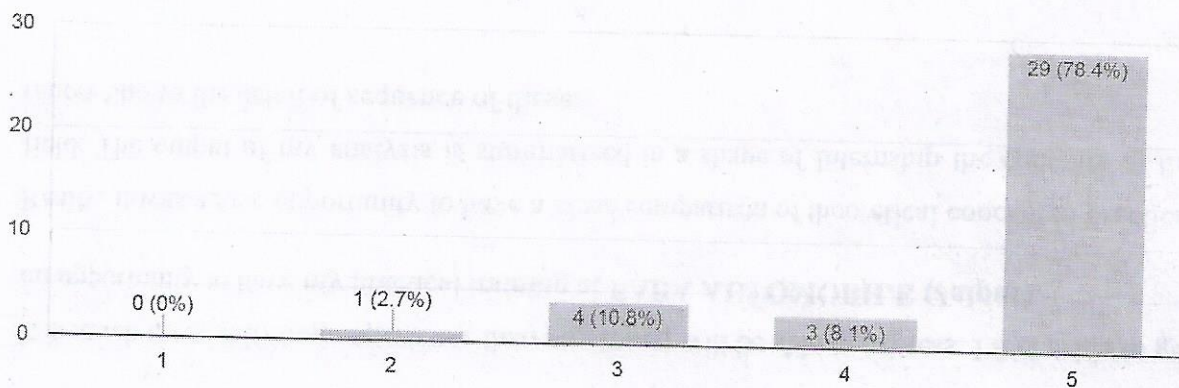
## 1. Relevance of content discussed by the speaker

37 responses



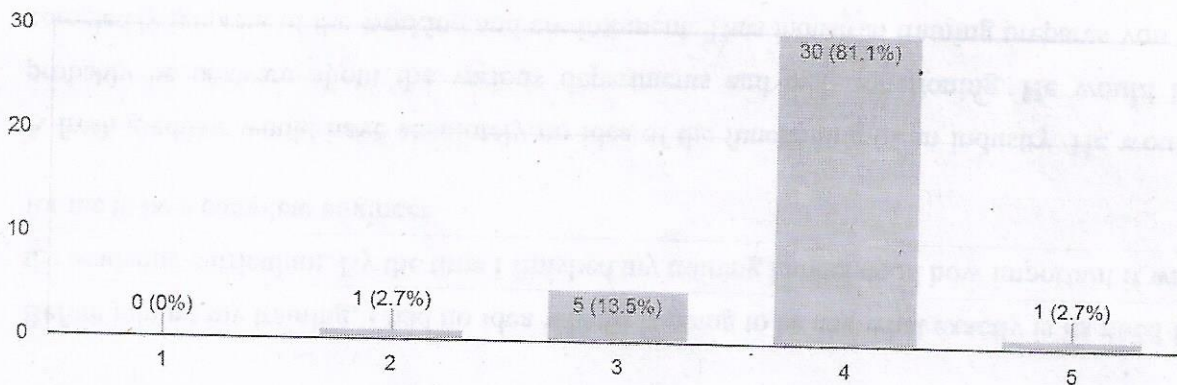
## 2. Usefulness of the lectures with respect to knowledge and information


37 responses



## 3. Explanation of the topics with relevant examples

37 responses



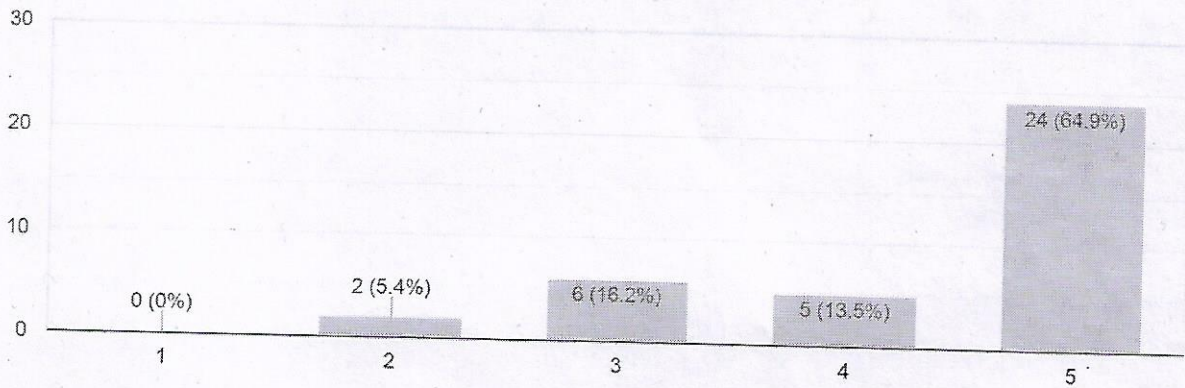
  
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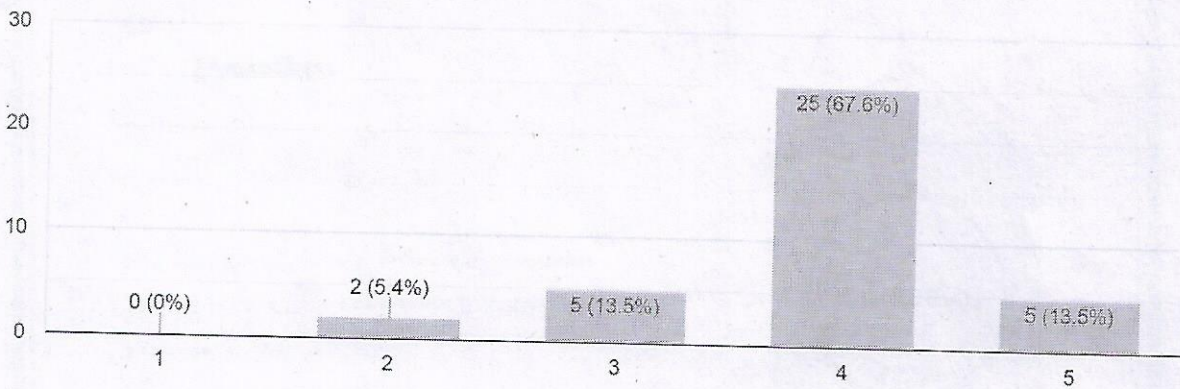
4. To what extent did you learn valuable from the this course

37 responses



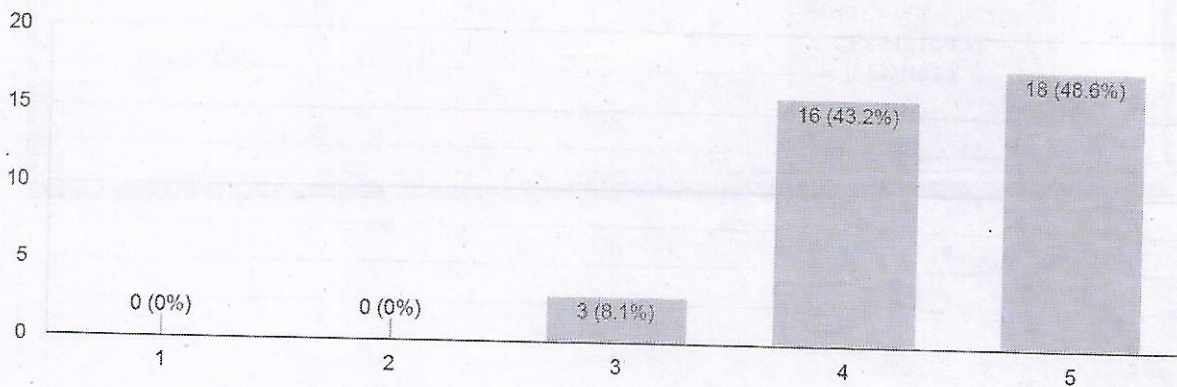
5. To what extent course challenged you intellectually

37 responses



6. To what extent speaker encouraged participation in class

37 responses



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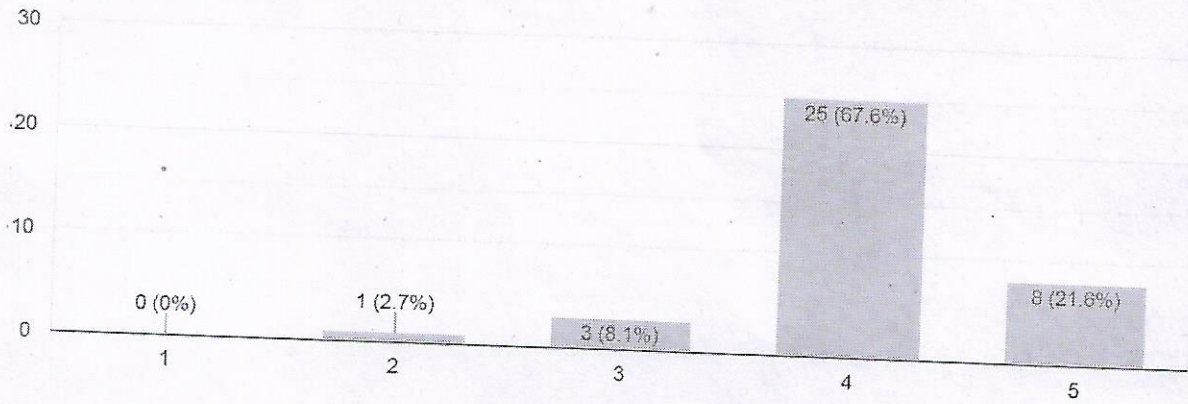
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### 7. Overall organization of the course

37 responses



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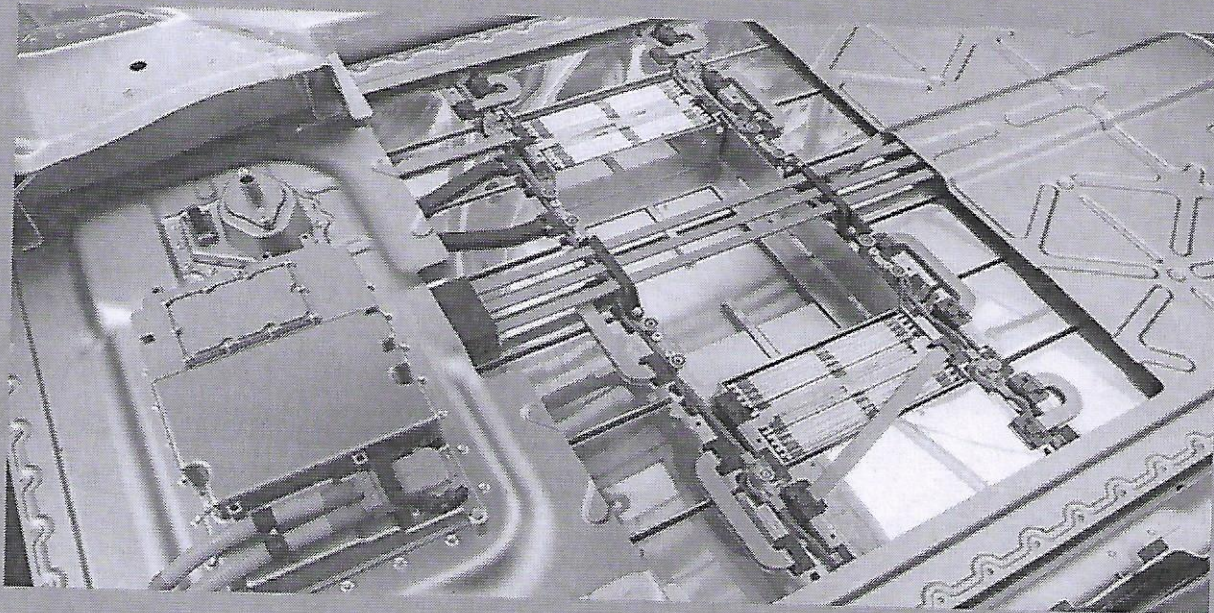
WORKSHOP POSTER



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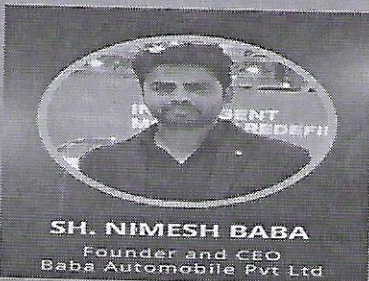
NBA Accredited programs and Accredited by NAAC  
(Affiliated to Rajasthan Technical University)

**Battery Powered Vehicles  
Working & Assembly**



**SCHEDULE**

**04 MAY, 2022 TO 10 MAY, 2022**



**SH. NIMESH BABA**  
Founder and CEO  
Baba Automobile Pvt Ltd

**Coordinator  
Dr.M.P. Singh**

**Head of the Department  
Mechanical Engineering  
JECRC, Jaipur**





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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