



Bhoj Reddy Engineering College for Women

(Sponsored by Sangam Laxmibai Vidyapeet, approved by AICTE and affiliated to JNTUH)
Vinaynagar, IS Sadan Crossroads, Saidabad, Hyderabad – 500 059, Telangana. www.brecw.ac.in

19 November 2023

Report of Workshop on “**Electric Vehicle Technology**” for III B Tech EEE students conducted during 9-10 November 2023

The Bhoj Reddy Engineering College for Women has organized a two-day workshop on “Electric Vehicle Technology” for III B Tech EEE students during 9-10 November 2023. The theory part will be explained in the West Block Seminar Hall (WB 402). This workshop was conducted by Mr K Madhan Mohan Goud, CEO & Founder, M/s HIEE Empowering Engineers, Hyderabad. The workshop is scheduled between 09:30 – 16:30 Hrs. Resource persons were Mr K Madanmohan Koukuntla, Founder & CEO at HIEE, Managing Director-HIEE, Mr Deepesh Kumar Barla, Co-founder & MD-EV Retron Energies, Neha Nandargi, Battery Engineer, EV Retron Energies, Mr Abhijith, Design engineer and battery manufacturer. Inauguration session was attended by Principal Dr J Madhavan, EEE-HOD Mrs S Deepti, Workshop in-charge Mrs R Manju Bhargavi, EEE staff and III EEE students. The venue was Seminar Hall (WB 402).

Resource person:




Madanmohan Koukuntla

Founder & CEO at HIEE, Managing Director

HIEE(In the process of Empowering Engineers)

Banner:



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Department of Electrical and Electronics Engineering

Presents

A Two-day Workshop


On

Electric Vehicle Technology

In Collaboration with
M/s HIEE Empowering Engineers, Hyderabad.

Date: 9-10 November 2023
Venue: Seminar Hall (WB-402)

Circular:



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File No: BRECW/EEE/AY23-24/Guest Lecture/004 Date: 07/11/2023

CIRCULAR

All the III B Tech EEE students and staff are hereby informed that EEE Department is conducting two-day workshop on "Electric Vehicle Technology" during 9-10 November 2023. The workshop is scheduled between 09:30-16:30 Hrs.

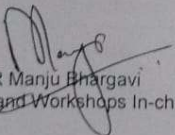
All students will be attending the workshop. This workshop will be conducted by M/s HIEE EMPOWERING ENGINEERS, Hyderabad.

The schedule of the workshop is as follows:

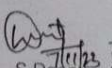
S No	Class	Date and Time (Hrs)	Venue
1	III EEE	9 November 2023 09:45 – 10:15	Seminar Hall (WB 402) (Inaugural Session)
		9 November 2023 10:20 – 16:30	Seminar Hall (WB 402) (Theory Session)
		10 November 2023 09:30 – 16:30	Hands-on session on Electric Vehicle Seminar Hall (WB 402)

Note:

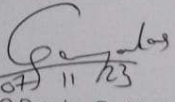
- 1) The faculty who are handling III EEE should mark the attendance as per the timetable on these respective dates.
- 2) All the EEE teaching and non-teaching faculty who do not have class work are requested to attend the Inaugural session of this workshop on 09 November 2023 at Seminar Hall (WB-402) at 10:00 am



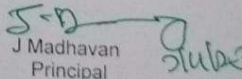
R Manju Bhargavi
Seminars and Workshops In-charge



S Deepthi
HOD-EEE




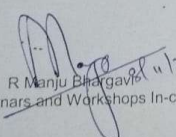
G Dayal'ar Reddy
Vice-Principal

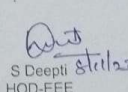


J Madhavan
Principal

Schedule:

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Department of Electrical and Electronics Engineering Inaugural Session Schedule Workshop on "Electric Vehicle Technology"		
Date: 9 November 2023		Venue: Seminar Hall (WB 402)
SNo	Time	Speaker
1	10:30 AM	Welcome Address by G Pavani (III EEE)
2	10:35 AM	Address by Dean Academics, Dr G Asa Jyothi
3	10:40 AM	Address by Principal, Dr J Madhavan
4	10:45 AM	Address by Vice-Principal, Mr G Dayakar Reddy
5	10:50 AM	Address by HoD-EEE, Mrs S Deepti
6	10:55 AM	Keynote address by speaker, K Madhan Mohan
7	12:30 AM	Vote of Thanks by A Sahithi (III EEE)


 R Manju Bhargava
 Seminars and Workshops In-charge


 S Deepti
 HOD-EEE

On 9 November 2023 forenoon, The workshop began with Mr. K Madhan Mohan Goud providing an engaging introduction, setting the stage for a deep dive into Electric Vehicle Technology. Each resource person, experts in their respective fields, led sessions on the outlined topics. Interactive discussions, case studies, and hands-on activities were integrated to enhance the participants' understanding of the practical aspects of electric vehicle technology. He explained Introduction to Electric Vehicles, Fundamentals of Electric Vehicles, Types of Electric Vehicles (HEV, BEV, PHEV) and key Advantages and Challenges of Electric Vehicles.

Figure 1: During the Inauguration ceremony




In the afternoon session, the practical orientation, coupled with industry perspectives shared by the resource persons, empowered the students to connect theoretical knowledge with real-world applications. Afternoon session Neha covered Energy Storage Systems in Electric Vehicles, Overview of Battery Technologies and Energy Density and Power Density. Afternoon session Mr Abhijith explained Battery Management System, Basics of Battery Management Systems (BMS), Role of BMS in Battery Health and Safety which included case Studies on BMS Implementation.

Figure 2: During the sessions by Mr Deepesh Kumar Barla, Co-founder & MD-EV Retron Energies, Neha Nandargi, Battery Engineer, EV Retron Energies



The two-day workshop proved to be highly beneficial for the III B Tech EEE students, offering them valuable insights into the dynamic field of Electric Vehicle Technology. The Feedback was collected from the students .Total feedback was taken from all the third year students.

Figure 3: Feedback sample



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Department of Electrical and Electronics Engineering
WORKSHOP FEEDBACK FORM

8 November 2023

Topic: "Electric Vehicle Technology"
 Dates: 9-10 November 2023
 Conducted by M/s HIEE Empowering Engineers, Hyderabad.

Please encircle the level of understanding the concept with each statement

	1.Excellent	2. Good	3. Average	4. Not satisfied
a. I learned something that I previously did not know				1 2 3 4
b. The information was presented in easy manner				1 2 3 4
c. This workshop was worth my time				1 2 3 4
d. This workshop helped me to improve my technical and practical skills				1 2 3 4
e. This workshop will be helpful for developing my Mini / Major projects				1 2 3 4

Comments / suggestions for improvement of the workshop in future

Bhoj Reddy Engineering College for Women remains committed to organizing such workshops, fostering a learning environment that prepares students for the challenges and opportunities presented by emerging technologies. The college expresses its sincere appreciation to Mr. K Madhan Mohan Goud and the distinguished resource persons for their invaluable contributions to the success of the workshop.



Figure 4: During valedictory ceremony

Overall feedback of the workshop is Excellent and active participation of students during the workshop was notable, and students were engaged throughout the session. Student's thoughtful questions and insightful comments added a lot of value to the overall discussion. We could tell that students have a good grasp of the subject matter as the workshop was informative and enlightening. In future, we can encourage students to continue attending such events and to keep learning and growing in their field of interest.

R Manju Bhargavi, Seminars and Workshops In-charge faculty expressed her sincere gratitude for allowing EEE department with and the opportunity to conduct a workshop at BRECW. She appreciated the support that management gave and said it was informative session. Once again, she said thank you for allowing them to contribute to the learning and development of their students and the session was concluded by the vote of thanks by A Sahithi, student of III EEE.

R Manju Bhargavi
Seminars and Workshops In-charge

S Deepti
HOD-EEE

J Madhavan
Principal