PRAGATI ENGINEERING COLLEGE

(Autonomous)

DEPARTMENT OF ELECTRICAL AND ELECTRONICS

Learning is Supreme Deity

Academic year: 2025-26

Date:23-06-2025

CIRCULAR

We are happy to inform you that a PPT presentation on **"Electric vehicles: Powering the future with Smart Energy"** is scheduled to be conducted by **Energy Management Club** in association with Industry 4.0. IV&III year students are participated in this session. Interested students can participate in the event as per the schedule given below.

Name of the Activiy	Theme of the Activity	Resource Person	Venue,Date&Time	Faculty Coordinator
Energy Management Club	Importance of Electric vehicles	Mr.K.V.Durga prasad	24-06-2025 Mechanical Block MS-14	Mrs.P Pushpa Latha

Faculty Co-ordinator

PRAGATI ENGINEERING COLLEGE(A) EEE-HOD SURAMPALEM

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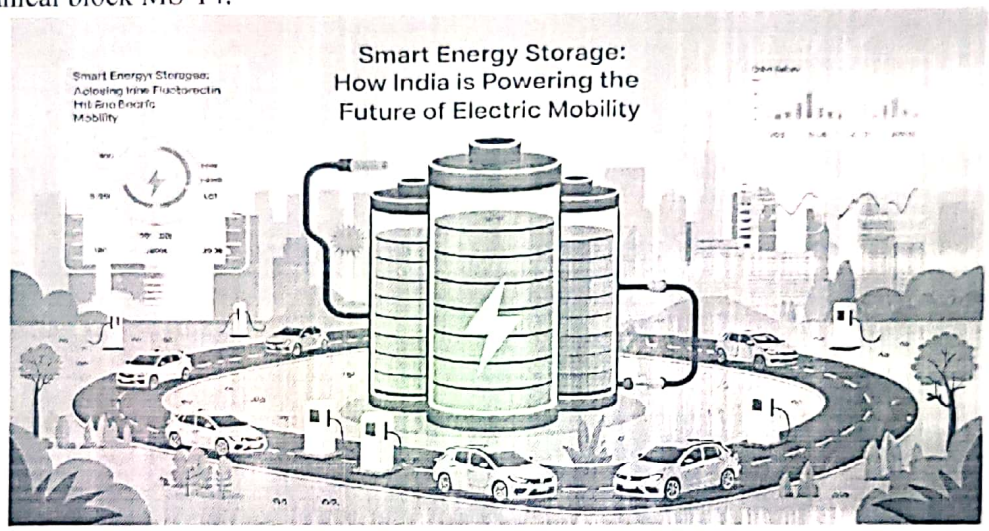
Acadamicyear-2025-26

Date:24-06-2025

REPORT

The **ENERGY MANAGEMENT CLUB** is in Association with Industry 4.0 & **DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING** Conducted seminar **"Electric vehicles: Powering the future with Smart Energy".** The III&IV Year students are participated in this seminar session. Total 30 students are participated in this event.The students were actively participated in this event. This Event was organized in Mechanical block MS-14.



Mr.K.V.Durga Prasad, Assistant professor ,EEE department has delivered so many points reguarding the development of Electrc Vehicles future.

Few discussed points Here's how smart energy management is shaping the future of EVs:

1. Optimized Energy Usage:

Smart Charging:

EV smart energy management systems use algorithms to determine the optimal time to charge EVs, considering factors like energy costs, grid stability, and user preferences.

Dynamic Load Balancing:

These systems dynamically adjust charging loads to balance energy demand, ensuring efficient use of the power grid and preventing overloads.

Renewable Energy Integration:

Smart energy management can prioritize charging EVs when renewable energy sources (like solar and wind) are abundant, further reducing reliance on fossil fuels.

2. Enhanced Grid Stability:

Ancillary Services:

EVs can participate in providing ancillary services like frequency regulation and voltage support to the grid, improving overall grid reliability.

3. Cost Savings and Sustainability:

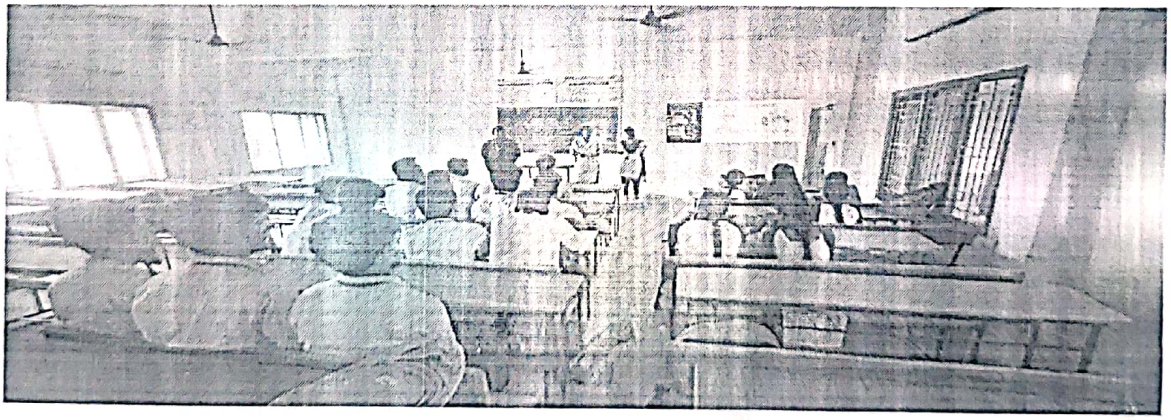
Reduced Charging Costs:

Optimizing charging schedules and leveraging renewable energy can significantly reduce the cost of charging EVs.

4. Smart Energy Storage and Future Applications:

Microgrids:

EVs can be integrated into microgrids, providing localized energy solutions and enhancing energy resilience.



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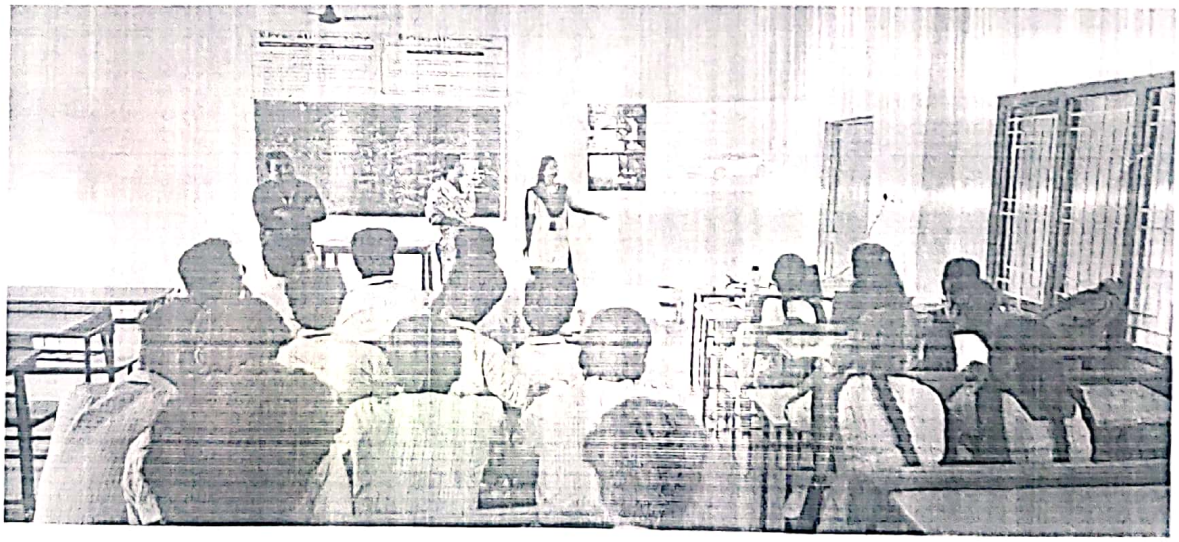

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Title of the event: PPT presentation of Electric vehicle : Recent trends, Future with Event No.

Date&time: 24-06-2025

List of students attended: 30

S.No	Roll Number	Name	Branch	Year	Signature
1	24N35A0206	D. Dharma Teja	EEE	III	
2	23A31A0233	Ketan Tain	EEE	III	
3	24A35A0208	E.S.S. Kiran	EEE	III	
4	23A31A0260	A. Satya ganesh	EEE	III	
5	23A31A0259	Y satyanarayan	EEE	III	
6	23A31A0250	P. Sekhar	EEE	III	
7	23A31A0231	J. Ajay	EEE	III	
8	23A31A0226	B. Ajay	EEE	III	
9	23A31A0244	M. Murali krishna	EEE	III	
10	23A31A0278	Y. Vignesh	EEE	III	
11	23A31A0255	S. Teja	EEE	III	
12	23A31A0252	P. Dilip Varma	EEE	III	
13	23A31A0232	K. Venkatesh	EEE	III	
14	23A31A0240	M. Imran	EEE	III	
15	23A31A0257	Y. Abhishek	EEE	III	
16	23A31A0259	M. Sidhaloor	EEE	III	
17	23A31A0240	M. Vamsi	EEE	III	
18	23A31A0244	M. Karthik	EEE	III	
19	23A31A0249	P. Sujay	EEE	III	
20	23A35A0227	B. Hemanth kumar	EEE	IV	
21	22A31A0294	P. Venkata dasu	EEE	IV	
22	22A31A0289	M. Chitanya	EEE	IV	
23	22A31A0298	P. venkatesh	EEE	IV	
24	23A35A0226	S. Dayanand	EEE	IV	
25	23A35A0239	T. Sai	EEE	IV	
26	23A35A0234	K. Nithin	EEE	IV	
27	23A35A0229	Sk. Reshma	EEE	IV	
28	23A35A0223	K. Venu	EEE	IV	
29	23A35A0240	J. Surya Teja	EEE	IV	
30	23A35A0226	B. reshwanth	EEE	IV	
31					
32					

Faculty Co-ordinator

IQAC Co-ordinator

24/6/25

EEE-HOD