



Learning is Supreme Deity

# PRAGATI ENGINEERING COLLEGE

(Autonomous)

ADB Road, Surampalem, E.G.Dt., A.P. - 533437  
(Approved by AICTE, Permanently Affiliated to JNTUK,  
Kakinada) (Recognized by UGC Under Sections 2(f) and 12(B)  
of UGC Act, 1956) Ph: 08852 - 252233, 34. Website: www.pragati.ac.in

## DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

AY:2023-24

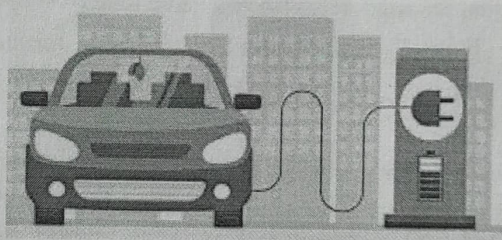
Date:23-02-2024

### CIRCULAR

We are happy to inform you that the seminar on "LATEST TRENDS IN ELECTRIC VEHICLES" is scheduled to be conducted by Energy Management Club. The seminar will be delivered by II EEE A Students

Mosa Madhu latha(22A31A0217)&Elisetti Sivaji(22a31a0229).

Interested students can participate in the event as per the schedule given below.



**Date&TimeofEvent** : 24-02-2024&2:30PM

**Venue** :Mechanical Block-MS-10

FACULTY COORDINATOR





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## DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

AY-2023-24

Date: 24-02-2024

### REPORT

The **ENERGY MANAGEMENT CLUB** is an Association with **DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING** Conducted seminar presentation on "**LATEST TRENDS IN ELECTRIC VEHICLES**". The II Year students are participated in this seminar. The students were actively participated in this seminar. This Event was organized in Mechanical block.

#### **Electric Vehicles Future in India:**

Most Indian buyers believe that an electric vehicle will be ready by 2023, but the majority also believe that it would no longer be available until 2025. Consumers in India are looking for a lower price for EVs than those in other countries, with the global average tipping price for EVs being \$36,000. (around Rs27 lakh).

The cost of lithium-ion batteries is roughly \$250/kWh globally, which translates to approximately Rs5.7 lakh in battery prices alone. Currently, lithium-ion batteries account for half of the cost of an electric vehicle, making them more expensive than conventional vehicles.

The safety of the batteries against explosion serves as a stumbling block for Li-ion batteries. Charging is a significant barrier for EVs in India, and a lack of charging stations may also be considered, rendering them impracticable or significantly less feasible for long-distance rides.

Furthermore, some EVs are slower than standard gas-powered engines.

At a critical moment, as many nations are working to free Mother Earth from the clutches of carbon emissions and CO<sub>2</sub>, India should take the lead by transitioning to EV mobility, making the country a greener and cleaner ecosystem.

#### **COVID-19's Impact on the Electric Vehicle Industry:**

During the period of COVID-19, we saw how the environment improved as a result of lower emissions from petrol and diesel-powered vehicles and industries in India. The pollution has completely disappeared in several cities.

People in many parts of India should be able to see faraway mountains that they have not been able to see in years due to the atmospheric stumbling blocks caused by the discharge of smoke from fossil-gas-powered automobiles.



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We will be able to research isolated areas if we move to clean-experienced electric vehicles. EVs remain a vital aspect of long-term solutions for a greener, cleaner India for the sustainability of its people.

And also discuss some examples to know the importance of electric vehicles in now a days.



Between 2019 and 2020, expected CAGR for EV market

43.13%



EV market

42.38%



Charging infrastructure

60.15%



Battery market

285,000 buyers of EVs have been supported by subsidy of ₹160 crore under FAME

94% decline to around 1,000 units in number of e-bikes models sold under the scheme between April-Sep, 2019

Date & Time : 30-09-2023  
Venue : Mechanical Block-MS-14  
Faculty coordinator : Mrs. P. PUSHPALTHA  
Student coordinator : 1. Mosa Madhu latha (22A31A0217) &  
2. Elisetti Sivaji (22a31a0229)

*Pushpa*  
FACULTY COORDINATOR





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## DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING

S.NO	STUDENT NAME	SIGNATURE
22A31A0201	ADABALA ANJANI	Anjani
22A31A0202	ADDANKI SATYA NIHARIKA	Niharika
22A31A0203	ANAPARTHI MANOJNA SRILEKHANA	A. Manojna
22A31A0204	APPASANI VEERA VENKATA CHANDRA HEMALATHA	A. Chandralakshmi
22A31A0205	ATTILI SRI VIJAYA	A. Sri Vijaya
22A31A0206	BATHULA SRIVALLI	B. Srivalli
22A31A0207	BINGINA SAI SANTHOSHI	B.S. Santhoshi
22A31A0208	BOKKA KOUSHIKA	D. Lavanya
22A31A0209	DUPPALAPUDI LAVANYA	D. Lavanya
22A31A0210	KADALI MAHALAKSHMI	K. Mahalakshmi
22A31A0211	KADIMI NAGAPURNALAKSHMI	K. Nagambika
22A31A0212	KONADA SURYA SANDHYA	K. Sandhya
22A31A0213	KOTI SHANMITHA DEVI	K. S. Devi
22A31A0214	KOTTU YASASWINI SREE	K. Venneela
22A31A0215	KUMILI VENNELA	K. Venneela
22A31A0216	LOLUGU PUSHPAJA	L. Pushpaja
22A31A0217	MOSA MADHU LATHA	M. Madhulatha
22A31A0218	NIMMAKAYALA MADHAVI	N. Madhavi
22A31A0219	PADALA AMRUTHA GANGA NAGA VALLI	P. Naga Valli
22A31A0220	RAMISETTI BALA BAVYA SRI	R. Bala Bavysri
22A31A0221	REDDY SRIVIDYA	R. Srividya
22A31A0222	TATICHARLA RAMYASRI	T. Ramyasri
22A31A0223	YALLA SUNITHA	Y. Sunitha
22A31A0224	ANALA RAJESH	A. Siva Sai
22A31A0225	ANANTHA SIVA SAI SEKHAR	A. S. S. Sekhar
22A31A0226	ANISETTI PADMA RAJU	A. Padma Raju
22A31A0227	BANDA SITA SRINIVAS	B. Sita Srinivas
22A31A0228	BONTHU SRI VENKATA SIVA	B. Sri Venkata Siva
22A31A0229	ELISETTI SIVAJI	E. SIVAJI
22A31A0230	ELISETTI UDAYA KIRAN	K. Pavan
22A31A0231	KALLA PAVAN	K. Pavan
22A31A0232	KANDUKURI SAI KAMAL	K. Sai Kamal
22A31A0233	KEDARI RAVI VENKATA ASHOK	K.V. Ashoka
22A31A0234	KERATANA SANTOSH KUMAR	K. Santhosh Kumar
22A31A0235	KOLA KUMARA SWAMY	K. Kumar Swamy
22A31A0236	KONDEPUDI SATYA KRISHNA	K. Satya Krishna



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22A31A0237	KOTHEM JAYA RAM	
22A31A0238	KOVVADA SURESH	K. Suresh
22A31A0239	MALLADI GANGADRI	M. Gangadri
22A31A0240	MATTA PAVAN TRINADH	M. Pavan Trinadh
22A31A0241	MUPPIDI SRINIVAS	M. Srinivas
22A31A0242	MUTHINTI TEJA SIVA SUBRAHMANYAM	M.S. Subrahmanyam
22A31A0243	NAGALA MAHENDRA	N. Mahendra
22A31A0244	PADALA LEELA VENKATA ABHIRAM	P.L.V. Abhiram
22A31A0245	PANASA SRIKANTH PUSHKAR	P.S. Pushkar
22A31A0246	PANDE SATYA SANDEEP	P. Satya Sandeep
22A31A0247	PITHANI UMA PRASANTH	P. Uma Prasanth
22A31A0248	PONNAMANDA HARSHA VARDHAN	P. Harsha Vardhan
22A31A0249	POTHULA JOGI DURGA SAMBA YASWANTH	P. J. S. Yaswanth
22A31A0250	PURAMSETTI ARAVIND	P. Aravind
22A31A0251	RAKOTI HARISH	R. Harish
22A31A0252	THAMMANAPUDI SIVA SUBRAHMANYAM	T. Siva Subrahmanyam
23A35A0218	BANDI MEGHANA	B. Meghana
23A35A0219	GEETHA JAYASRI	G. Jayasri
23A35A0220	PALA UMA	P. Uma
23A35A0221	PRASADULA DEEPIKA	P. Deepika
23A35A0222	SUNDARAPALLI PREETHI MANI	S. Preethi Mani
23A35A0223	ADURI KARTHIK	A. Karthik
23A35A0224	ALLA PRASAD	A. Prasad
23A35A0225	AVASARALA N D S D KAMESWARA MADHAV	A. K. Madhav
23A35A0226	BASAVA RESHWANTH	B. Reshwanth
23A35A0227	BASWA HEMANTH KUMAR	B. Hemanth Kumar
23A35A0228	CHERUKURI RAGHU	Ch. Raghu
23A35A0229	CHINTAGUNTI SURYA TEJA	C. Surya Teja
23A35A0230	DEVARA KONDA BABU	D. Kondababu
23A35A0231	DULLA GANGA CHAKRADHAR	D. G. Chakradhar
23A35A0232	KAKI AJAY KUMAR	K. Ajay Kumar
23A35A0233	KARANAM SATYA SAI VENU	K. Satya Sai Venu
23A35A0234	KARUSU MOHAN MAHESH KUMAR	K. Mahesh Kumar
23A35A0235	MATTADI RAMESH	M. Ramesh
23A35A0236	NAKKA NIKHIL	M. Nikhil
23A35A0237	NALLA CHAKRI NAGASAI	N. Chakri Nagasai



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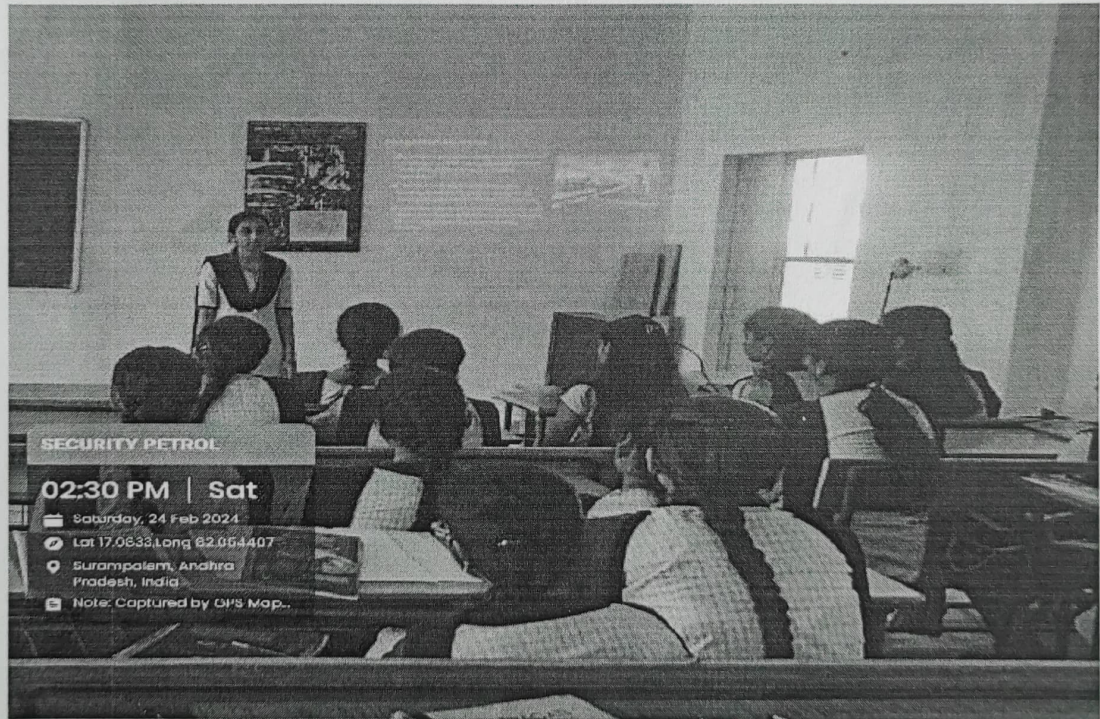
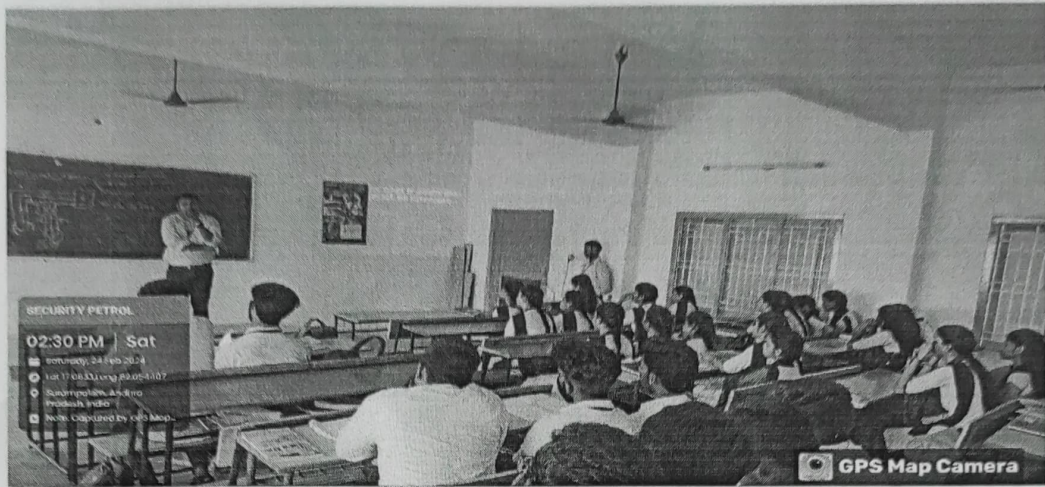
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*Pushy*  
Faculty Coordinator

*D. N. Lakshmi*  
HOD-EEE