

Report on “TECHNICAL POSTER PRESENTATION”

Title of the Event: Technical Poster Presentation

Held On: 22 March 2024

Coordinators: Mr. D. Ramesh, Asst. prof.

Convener: Dr. S. Mani Kuchibhatla, Assoc Prof & HOD-EEE

As we all know that a poster presentation will offer several benefits, making them a popular format for sharing research findings, project updates, or educational content. So for the benefit of student, department of EEE, ACE Engineering College conducted a technical poster presentation on 22nd march 2024.

Dr. S Mani, HOD-EEE, is the Convener and Mr. D. Ramesh –Asst. Prof. Appointed as the Co-coordinator for the event. The brochure was prepared and released on 16th march 2024 and circulated to all engineering colleges and all the students of EEE Dept. ACE Engineering College. A Registration link was provided in the brochure to register for the event. Total of 10 responses were received from the students.

Around 10:00 AM On 22nd march 2024, the event was started by an introductory speech by HOD-EEE about the importance and outcomes of the event Followed by speech of Chief Guest Dr. C.V.R Krishna Mohan, Professor ,HBS Department which went up to 10:30 AM. Mrs P Srilatha, Assistant professor and Mrs. Usha Rani, Assistant professor nominated as judges for the event along with Chief Guest.After a small break event restarted at 11:00 AM.

All the students presented their posters in front of the judges and answered the questions raised by jury.

Judges made their comments as per their observations and awarded the marks in the evaluation sheet provided to them. As per their decision HOD-EEE announced the prizes for winner, runner. Participation certificate is given to all the participants.

Students were happy for the opportunity and shared opinions with all other members. The event was successfully completed by vote of thanks given by the co-coordinator. The programme was ended by 3:30 pm.



ACE

Engineering College

An Autonomous Institution

Ghatkesar, Medchal (Dist) Hyderabad, Telangana State -501301



DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

1. ELECTRIC VEHICLES

2. SMART HOMES

3. GLOBAL WARMING

4. INDUSTRIAL SAFETY

5. IoT & AI/ML APPLICATIONS IN
ELECTRICAL ENGINEERING

Welcomes you all
for
Technical Poster
Presentation
on
22nd March 2024
Venue: 1012

6. HYDROGEN FUEL CELL VEHICLES

7. RENEWABLE ENERGY SOURCES

8. SMART HYBRID ENERGY SYSTEMS

9. WIRELESS ELECTRICITY

10. NEW INVENTIONS IN PREVENTION
OF POWER THEFT

Scan To Register



<https://forms.gle/qYPVmbocGNFaNX4n8>

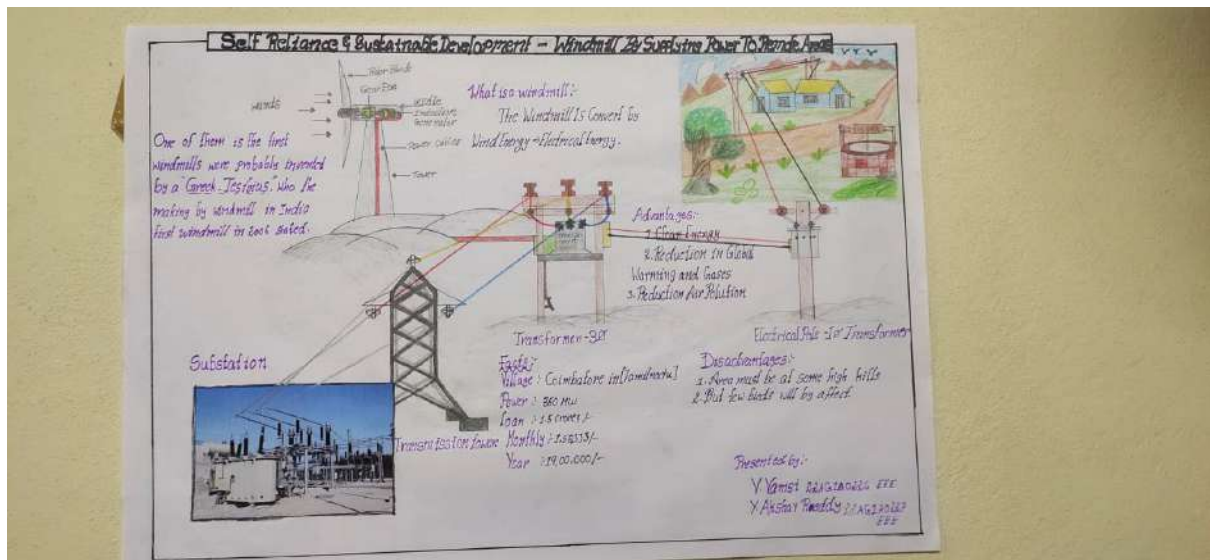
Co-ordinator

Mr. D. Ramesh
Asst. Prof.

Convener

Dr. S Mani. Kuchibhatla
Assoc. Prof. & HoD EEE







WIRELESS ELECTRICITY

As the word "WIRELESS" means "without wire"...

Wireless Energy transfer (or) wireless power is the transmission of electrical energy from a power source to an electric load without interconnecting man-made conductors...

Wireless transmission is useful in cases where interconnecting wires are inconvenient, hazardous (or) impossible...

Uses are Simple, Safe and Higher transfer efficiency for short distances.
Long transmission distance, no radiation.
Very transmission efficiency over long distance.

Disadvantages are short transmission distance, needs accurate alignment, Difficulty in adjusting resonant frequency for multiple devices, Harmful radiation, demands line of Sight...

C. Durga Siva
B. Anish

Global Warming

Our climate is changing. Why aren't we?

Our Mother Earth is Suffering

Burn Your Negativity not The Earth

Stop Global Warming!



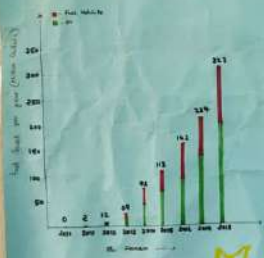






⚡ THE RISE OF EV ⚡

GASOLINE STATISTICS



Sustainable Mobility

- * Reduced Emissions
- * Renewable Energy integration
- * Energy Efficiency
- * Improved Air Quality

* Increasing adoption of EVs Globally.

Low Maintenance

Benefits

- * Battery
- * Charging Port
- * Power Electronics controller
- * Traction Battery Pack
- * Power Inverter
- * Electric Traction Motor
- * DC/DC converter
- * Charger
- * IC Engine
- * Transmission

Types of Electric vehicle

Battery Electric vehicle [BEV]

Hybrid Electric vehicle [HEV]

Plug-In Hybrid Electric vehicle [PHEV]

Presented by:
22AG10047 - D. Jyoti Kulkarni
22AG10048 - A. Vithal



INDUSTRIAL SAFETY

INDUSTRIAL SAFETY

WORK PLACE SAFETY

Presented by
R. V. V. V.
22AG10047
EEE

PULL

Quick Heal
Security Symbols

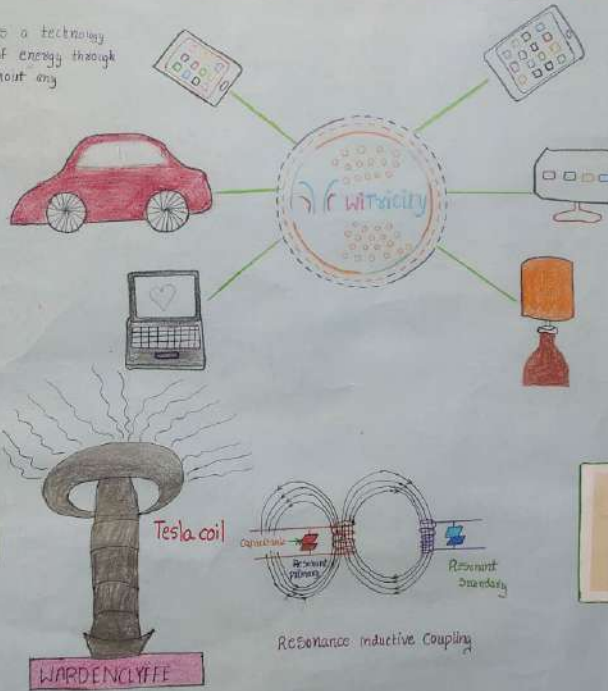
WIRELESS ELECTRICITY

Objective :-

Wireless Power transfer is a technology that allows transmission of energy through an air gap to a load without any interconnecting cables



Nikola Tesla



Advantages:-

- Safe fairly efficient good range
- Maintenance cost will be lower
- More Secure, no risk of getting shocked
- No Wires
- Waste is eliminated
- Need for battery is eliminated

Disadvantages

- Wireless power transmission can be possible only in few meters
- Efficiency is only about 40%
- Very expensive
- possibility of 'energy theft'

Future scope

- In future we can use electric appliances by using electricity without any power cables. Wirelessly powered home appliances, wireless charging of electric vehicles



Presented by:

G. Srinivas
D. Chiranjeevi
2016/11/21

