



POTTI SRIRAMULU CHALAVADI MALLIKARJUNA RAO
COLLEGE OF ENGINEERING & TECHNOLOGY

(AUTONOMOUS)

SPONSORED BY SKPVV HINDU HIGH SCHOOLS COMMITTEE, Estd : 1906
APPROVED BY AICTE, NEW DELHI, AFFILIATED TO JNTU KAKINADA



DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING



MakerSpace Lab for EV Vehicles

A Makers Space Lab for electric vehicles (EVs) serves as a collaborative environment where engineers, designers, students, entrepreneurs, and innovators can come together to research, design, prototype, and test various EV technologies and components. These labs are essential for fostering innovation, supporting hands-on learning, and accelerating the development of sustainable EV solutions.

Objectives of MakerSpace Lab:

A **MakerSpace Lab** dedicated to Electric Vehicles (EVs) serves several key objectives that contribute to the advancement of EV technology and the development of a sustainable transportation future. These objectives align with fostering innovation, collaboration, education, and practical application of new technologies.

Outcomes:

- The **MakerSpace Lab for EV Vehicles** can yield several impactful outcomes that contribute to the growth of the electric vehicle (EV) industry, sustainability, and technological innovation.
- These outcomes not only benefit the industry but also provide value to entrepreneurs, engineers, students, and the wider community.



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MoU exchange in between Management and SYTIQHUB EV Solutions Director&Technical Head



A seminar conduct on EV vechicals



EEE IIIRD year boys students Working on Ev vechicals in portico



Students working in meachines lab





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EV vehical Disassembling by students

EEE IIIRD year girls students Working
on Ev vehicals in portico

List of Working Prototypes



Wireless charging of EV



Controlling solar energy charge



Solar efficiency using LDR



Electrical power with mini generator



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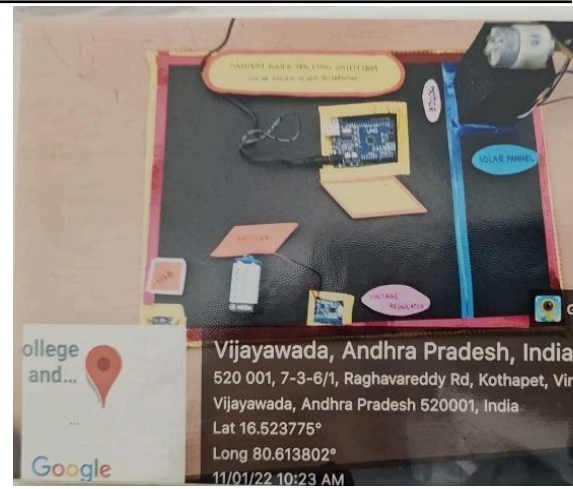
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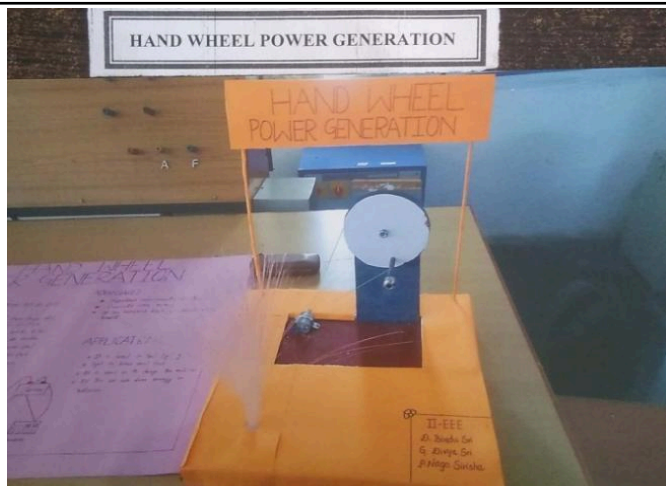
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Power Generation Using Speed Breaker



Maximum Power Tracking System



Mini Generator



Single Axis Solar Tracking



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Solar Powered Smart irrigation system



Rain Detector