

A Major Project Report On
SOLAR POWERED TRACTOR

Submitted to

Jawaharlal Nehru Technological University, Hyderabad

In partial fulfillment of the requirement for

The award of degree of
BACHELOR OF TECHNOLOGY

In

ELECTRONICS & COMMUNICATION ENGINEERING

by

THAIREDDY KEERTHIKA - 196Y1A0488

VALUGUBELLY BHOOMIKA - 196Y1A0497

GADDAMNIKHITHA - 206Y5A0412

NAGAVELLI SAISUCHITHA - 206Y5A0423

Under the esteemed supervision of

Mr. Dr. K MAHENDER

Associate professor



DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

SUMATHI REDDY INSTITUTE OF TECHNOLOGY FOR WOMEN

(Approved by AICTE, New Delhi; Accredited by NBA; Affiliated to JNTU, Hyderabad)

Ananthasagar (Village), Hasanparthy (M), Warangal-50631

PRINCIPAL



2022-2023

Sumathi Reddy Institute of Technology for Women
Ananthasagar (V), Hasanparthy (M)
WARANGAL- 506 371 (T.S.)



SUMATHI REDDY

INSTITUTE OF TECHNOLOGY FOR WOMEN

Learning at its best

Affiliated to JNTUH - Approved by AICTE - Accredited by NBA

DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

CERTIFICATE

This is to Certify that the major project report entitled “SOLAR POWERED TRACTOR” submitted to JNTUH is carried out by the following students of IV B.Tech in the partial fulfillment of requirement for the award of degree of Bachelor of Technology in Electronics & Communication Engineering during academic year 2022-2023

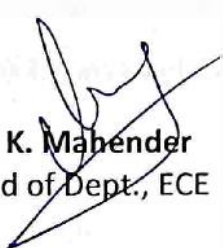
THAIREDDY KEERTHIKA - 196Y1A0488

VALGUBELLY BHOMIKA - 196Y1A0497

GADDAM NIKHITHA - 206Y5A0412

NAGAVELLI SAI SUCHITHA - 206Y5A0423


Dr. K. Mahender
Associate professor


Dr. K. Mahender
Head of Dept., ECE





PRINCIPAL

Sumathi Reddy Institute of Technology for Women
Ananthasagar (V), Hasanparthy (M)
WARANGAL - 506 371 (T.S.)

ABSTRACT

As of now, the oil resources are demanding high prices in day to day life. Most of the businesses relay on oil resources i.e Agriculture and transportation business, with the rising prices, the input cost increases and that, in turn, is increasing the price of final product. In Agriculture sector the fuel vechiels plays vital role. Most of the surveys says that, as per a farmer calculations who spend approximately around one lakh per year for fuels to cultivate his land.

So, as of now in digital India technology was improving rapidly, the problem focused here to stop increasing the final products price. The **ELECTRIC vehicles are required**. These electric vechiels are designed by using Natural resources such as solar energy. The tractor can be designed by using 12v 3watt solar panel at the top, the electric energy which was consumed by the panel was charged to 3 cell battery holder with the capacity of 3000mAH and its work with 12v DC motors of 100RPM speed with a gearbox.



Rijan

Principal

Sumathi Reddy Institute of Technology for Women
Ananthasagar (V), Hasanparthy (M)
WARANGAL - 506 371 (TS)