

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

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2022-2023





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CERTIFICATE

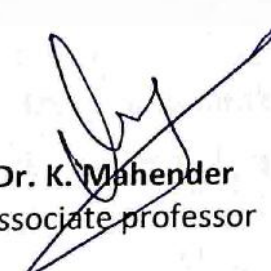
This is to Certify that the major project report entitled "SOLAR POWERED TRACTOR" submitted to JNTUH is carried out by the following students of IV B.Tech in the partial fulfillment of requirement for the award of degree of Bachelor of Technology in Electronics & Communication Engineering during academic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

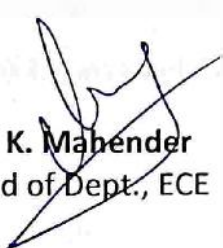
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ABSTRACT

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.



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