

**VISVESVARAYA TECHNOLOGICAL
UNIVERSITY,BELAGAVI- 590 018**



A MINI PROJECT REPORT ON

“Agriculture Weeder ”

Submitted By,

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UndertheGuidance of

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**DEPARTMENT OF MECHANICAL ENGINEERING
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ALVA'S INSTITUTE OF ENGINEERING AND TECHNOLOGY

MIJAR, MOODBIDRI D.K. -574225

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DEPARTMENT OF MECHANICAL ENGINEERING

CERTIFICATE

This is to certify that the Mini-Project entitled “ **Agriculture Weeder** ” has been
Successfully Completed

By

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The bonafide students of Department Mechanical Engineering, Alva's Institute of Engineering and Technology, affiliated to VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELAGAVI, during the academic year 2020–2021. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the report. The report has been approved as it satisfies the academic requirements in respect of Micro-Project work prescribed for Bachelor of Engineering.

Mr Sudheer P N
Guide

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ABSTRACT

In India, most of the people are farmers and agriculture is the backbone of India. Crores of rupees are spending in agriculture, but due to weeds, the yield of the crops was drastically falling down. Even though there are losses with insects, worms and from diseased crops. As compared to all these losses, loss due to weeds is high. Most commonly weeds are always grown at where they are not necessary. In our project work we design and constructed a motorized agriculture weeder with a grass collector to remove and collect the weeds and waste material present between crops. The compelling structure of the weed expelling machine is to limit the time taken for evacuating weed present between the developing plants. The agriculture weeding machines are accessible in the market at different kinds; however, those are expensive and exorbitant to farmers and to work those machines requires a talented individual. There are weeds and undesired plants on the field which devours the nutritious components which are planned for the harvest that will be developed in the field. Right now, we have planned a weeding vehicle to remove and clean the undesirable grass and weeds. This weeder works by a high torque dc motor that is controlled by a battery.