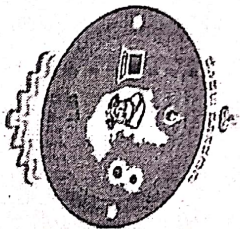


VISHVESVARAYA TECHNOLOGICAL UNIVERSITY  
"JNANA SANGAMA", BELAGAVI-590018,



2022-2023

A PROJECT REPORT ON

"DESIGN AND FABRICATION OF MULTIPURPOSE SEED SOWING  
MACHINE FOR AGRICULTURE APPLICATIONS"

SUBMITTED IN PARTIAL FULFILLMENT FOR THE REQUIREMENT OF  
THE AWARD OF DEGREE OF

BACHELOR OF ENGINEERING  
IN  
MECHANICAL ENGINEERING

Submitted By

ATHISHKUMARGOWDA	(1SV19ME002)
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UNDER THE GUIDANCE OF:

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SHRIDEVI INSTITUTE OF ENGINEERING AND TECHNOLOGY

(Affiliated to VTU, Belagavi. Approved by AICTE New Delhi) Sirsi Road,

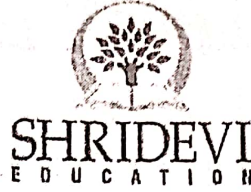
TUMKUR - 572106, Karnataka

2022-2023

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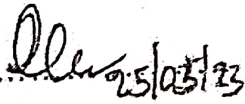
TUMKUR-572106

DEPARTMENT OF MECHANICAL ENGINEERING



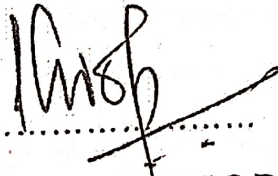
CERTIFICATE

This is to certify that the project report entitled "DESIGN AND FABRICATION OF MULTIPURPOSE SEED SOWING MACHINE FOR AGRICULTURE APPLICATIONS" successfully carried out by ATHISHKUMARGOWDA (ISV19ME002), DHEERAJ J (ISV19ME005), GAGAN R GOWDA (ISV19ME006), the bonafide students of SHRIDEVI INSTITUTE OF ENGINEERING AND TECHNOLOGY TUMKUR-572106, in partial fulfillment for the award of degree of Bachelor Of Engineering In MECHANICAL ENGINEERING Of The Visvesvaraya Technology University, Belagavi-560014 during the year 2022-2023. All the corrections/suggestions indicated for the internal assessments have been incorporated in report. The project report has been approved as it satisfies the academic requirements in respect to the project work prescribed for the said degree.

  
25/05/23

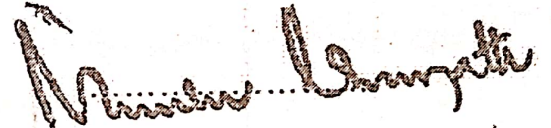
Signature of the Guide

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Signature of the H.O.D

Prof. K P CHANDRAIAH  
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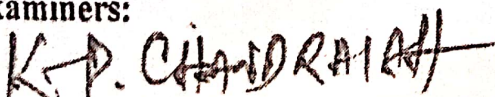



Signature of the Principal

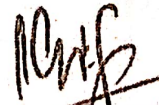
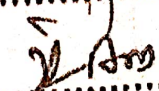
Dr. NARENDRA VISWANATH  
Principal,  
SIET, Tumakuru

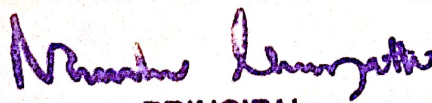
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Name of the  
Examiners:

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Signature with date

  
26/5/23  
  
26/5/23

  
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## ABSTRACT

Agriculture has been the backbone of our Indian economy and it will continue to remain the same in the future around 70% of the people in India are directly and indirectly dependent on agriculture and its products but due to increase in population the required resource is not sufficient by practicing old techniques. manual method of seed planting results in low seed placement spacing efficiencies. generally, cultivation of any crop involves various steps such as ploughing harvesting sowing and irrigation the farmers has to use various agricultural equipment and more laborers for handling this task which results in the increase of the total cost of the product. therefore the main objective of our project is to combine all the individual tools to provide farmers with a multipurpose equipment which implements all the scientific farming techniques that are suitable for all the type of seed cultivation that can be easily affordable by all the farmers in our country as far as possible therefore this project work is focused on fabricating of a multipurpose equipment which is used for agricultural process like ploughing the field of various depth sowing different types of seeds and sprinkling of the water in the field . This multipurpose agriculture machine has the capability of delivering the seeds precisely with uniform depth in the feed and also maintain uniform distance between the seeds. The seed planter consists of main frame seed hopper seed storage tank with most of the materials made up of mild steel.

  
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