

FABRICATION OF SEED SOWING MACHINE

A Project report submitted

In partial fulfillment of the requirements for the award of the degree of

BACHELOR OF TECHNOLOGY

IN

MECHANICAL ENGINEERING

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CERTIFICATE

This is to certify that project work is entitled **"FABRICATION OF SEED SOWING MACHINE"** is a bonafide record done by K.SAI SUNITHA(15811A0369), K.G.N.R.GOPAL(15811A0367),M.NAVEN(15811A0379),P.V.N.SWAMINAIDU(15811 A0398) students of final year B.Tech in the Department of Mechanical Engineering, Avanti Institute of Engineering and Technology, Visakhapatnam. This work was done for the fulfillment of the requirements of the award of Bachelor of Technology during the 2015-2019..

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PROJECT GUIDE

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ABSTRACT

It is the art of placing seeds in the soil under optimum moisture content and soil temperature condition to obtain Good plantation. To get high yield, with right amount of seeds governed by seed rate calculation, placed at right time at a predetermined depth and spacing in irrigated and rain-fed soil.

The sowing depth depends upon available moisture content of soil, seed emergence capacity and covering of seed by soil to protect from sun drying as well as birds eating.

Similarly the spacing between seed depends upon plant growth and their distribution characteristics(rooting and branching) per unit area, required plant environment, plant density and space requirement for inter-cultural operation by machines or manually.

Generally larger seeds like maize are shown at greater depth with wider spacing in comparison to smaller seeds like mustard ,wheat etc.