

**VISVESVARAYA TECHNOLOGICAL UNIVERSITY,
BELAGAVI-590018**



A

PROJECT REPORT

ON

“MULTI-PURPOSE AGRICULTURE EQUIPMENT”

(Sponsored by KSCST Proposal Number 38S0716)

Submitted in partial fulfillment of the requirement for the award of the

Degree of

Bachelor of Engineering

in

MECHANICAL ENGINEERING

by

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ABSTRACT

India is an agricultural country cultivating more number of ground nuts, corns, etc., in the village sides of the country. The available sowing machines are imported from foreign countries. The imported machines are not only bulk in size but also costing around rupees in terms of lakhs.

In this project an attempt has been made for the design and fabrication of maintenance free multipurpose sowing machine exclusively for small farmers at cost not exceeding rupees 9000 per unit. The different components of above multipurpose agriculture machine are modeled using one of the end parametric modeling software Pro-E wildfire2.0. The modeled components are fabricated and assembled together to form a complete machine. In this equipment along with sowing additional features like sugar cane cutting plantation and soil covering also incorporated with providing flexibility in the operations.