

**VISVESVARAYA TECHNOLOGICAL UNIVERSITY,
BELAGAVI-590018**



A

PROJECT REPORT

ON

“MECHANIZED COTTON HARVESTER”

(Sponsored by KSCST Proposal Number 38S0712)

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

In today's competitive world there is a need for faster rate of production of agricultural products. Agriculture is the backbone of India. In India almost all farmers are facing problems of labour shortage. Day by day labour wages are increasing and in the same way demand of agriculture products are also increasing.

Entire cotton picking in India is manual. It is not only a slow process but involves extremely tedious hard work. Due to impending scarcity of labour, mechanization of cotton harvesting is considered to be of vital importance. This project aims to design and fabricate a cotton harvesting machine for harvesting cotton to reduce farmer's effort during cotton harvesting. The mechanized cotton harvester is a machine that automates cotton harvesting in a way that reduces harvest time and maximizes efficiency. When compared to manual harvesting this machine has a capacity to pick cotton at a faster rate. The machine is helpful for either who have small or medium sized farms.

There are many cotton picking machines currently being used in various countries. These machines are unsuitable for Indian farms due to different variety of cotton plants as well as the comparatively smaller size of the farms. Hence the objective of fabricating this mechanized cotton picker is to make it suitable for Indian farms.