

VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELAGAVI
KARNATAKA, INDIA - 590014



Project Report on

**“PORTABLE GRAIN GRINDER FOR DOMESTIC PURPOSE
(DRY & WET)”**

(SPONSORED BY K.S.C.S.T)

***A project Report Submitted in partial fulfillment of requirement for the award of the degree
of Bachelor of Engineering in Mechanical Engineering of Visvesvaraya Technological
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ABSTRACT

The aim of project is to construct a domestic grain grinding machine to be powered by electric motor through pulley and belt transmission. The project is to perform mostly blending and grinding of grains e.g beans, maize, melon, millet and such other food crops.

In the construction of project, there are various factors that is being put into consideration.

- i.The size specification.
- ii.The power of electric motor to be used.
- iii.The domestic operation which can be performed by the machine.
- iv.The capacity of machine.

The grinding mill is a unit operation designed to break a solid material like food grain into smaller pieces. The grinding of solid material occur under exposure of mechanical forces that trend the structure by overcoming of the interior bonding forces.

The models are designed with optimum quality materials and heavy cast iron body which encompasses bearing blocks and bush block that further results in enhanced productivity.