

VISVESVARAYA TECHNOLOGICAL UNIVERSITY
BELGAUM – 590 014



A
PROJECT REPORT
ON

“DESIGN AND FABRICATION OF TOMATO SEED EXTRACTOR”

[SPONSORED BY KARNATAKA STATE COUNCIL FOR SCIENCE AND TECHNOLOGY, BANGALORE]

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ABSTRACT

Tomato is a very popular vegetable in the tropics. Tomato seed extractor fabrication model is very much useful for the farmers who harvest the tomato seed plants in small scale (1 to 2 acres). The main objective of this project is to change the manual method of seed extraction to semi automation method. To minimize the human intervention, where there is scarcity of labour and also the extraction cost.

During the cultivation period, of deseeding tomatoes it is essential to carry out scientific pollination. The scientific pollination process is ought to be carried out manually to obtain good yield. Therefore the labours are essential.

Our model is specially designed for farmers with economical budget, so that they can separate the seeds by themselves after harvesting their crops. Only one kind of tomato breedis taken which, avoids mixing of seeds of different breeds. We can also extract different seeds breed as it can be washed easily after each process. Time factor is an important aspect to carry out each and every process strategically. Deseeding of tomatoes in their own land minimizes the transportation time, waiting time and other miscellaneous.

Cleanliness is also an important part in any respect of production companies and the same objective is focused in our model.