

VISVESVARAYA TECHNOLOGICAL UNIVERSITY

“Jnana Sangama”, Belgaum, Karnataka – 590 018



A PROJECT REPORT ON

“PORTABLE PINEAPPLE MACHINE”

Project Report submitted in partial fulfillment of the requirement for the award of the degree of

Bachelor of Engineering

In

Mechanical Engineering

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ABSTRACT

In Household still we use the traditional peeling method, by using bare hand and knife to peel of the fruit skin. The pineapple skin is thick and it is not easy to peel the skin off and cutting a pineapple skin is a difficult task. Due to that, after one pineapple is peeled, a person will feel the pain around the hand and the upper body including the arms.

The pain that a person experienced is called musculoskeletal disorders (MSD). The peeling process also involved the upper body of a person thus making the body vulnerable to back pain and other MSD symptoms.

Industrial, household and small business equipments are of high cost for its safety, functionality and other facilities provided. A cost effective device with respect to performance which should reaches to customer place.

The purpose of this project was to design and develop a pineapple peeling and slicing device for household people of India, which can solve the ergonomics issues for pineapple cutting.

The rough skin of the fruit and difficulty in cutting are the reasons for most of the people to lose interest in buying the pineapples from market.

For these reasons, there is a good scope of designing a pineapple peeler and slicer for better and easy peeling and slicing.