

**VISVESVARAYA TECHNOLOGICAL UNIVERSITY,
BELGAUM-590018, KARNATAKA**



**A Project Report On
DESIGN AND FABRICATION OF LOW COST
BANANA PEELING MACHINE**

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

**BACHELOR OF ENGINEERING
IN
MECHANICAL ENGINEERING**

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ABSTRACT

This report describes the methodology involved in peeling raw bananas used for making banana chips. The methodology has been tried to be framed into a mechanical device which can serve the intended purpose and to see its efficiency when it is practically made to work. The main reason for choosing this project was the creativity involved and the demand for something that would serve the purpose of peeling the raw banana to make chips out of it. As 'necessity is the mother of invention', before taking up this project, it was important to note its necessity. So, after surveying market, it ended up at 'Kripa Chips Company' which is one of the leading food product manufacturers in Dakshina Kannada region, especially banana chips. Their main point of concern is the time consumption, lack of labours and damage while peeling raw bananas manually. Keeping this necessity in mind, this report consists of giving engineering solutions to the problems mentioned above.

Among the current peeling methods, mechanical methods can attract the satisfaction of consumers as these methods possess some important benefits of the ideal methods such as freshness of the peeled product. As the view of consumers is important to the food processing industries researchers are encouraged to continue the search for mechanical peeling methods that are closer to the ideal peeling, in spite of the high losses so far experienced with these methods.