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BASAVESHWAR ENGINEERING COLLEGE (AUTONOMOUS), BAGALKOT – 587102

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DEPARTMENT OF MECHANICAL ENGINEERING

A Project Report On

"COTTON EXTRACTOR"

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BACHELOR OF ENGINEERING

In

Mechanical Engineering

Project Guide	Co-Guide	H.O.D
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ABSTRACT

The aim of this project is to extract cotton from the plant, without causing any damage to the plant. The mechanism employed for extracting cotton is very similar to that of the vacuum cleaner. The device is designed in such a way that it can be carried around through the cotton plant rows very easily and also can be operated individually without causing much strain to the operator.

Every detail regarding the literature survey that was carried out to obtain information about the cotton pickers and its developments is provided in the forthcoming chapters. The methodology as to how the project was carried out is also explained in these chapters, giving all necessary specifications of components used. The optimization of the device is done by plotting a graph of time v/s weight, which can also be seen in these chapters.

The device is very simple in its design; hence the farmers will find it economical compared to the cotton pickers that remove cotton on mass basis. Also there is no need for the farmers to depend on labourers to carry out the cotton picking. With further improvement to the device, i.e., by the use of rechargeable battery and solar panels, conservation of energy can be achieved.