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## **PROJECT REPORT**

# **DESIGN AND FABRICATION OF SMALLSCALE CASHEW NUT SHELL REMOVER**

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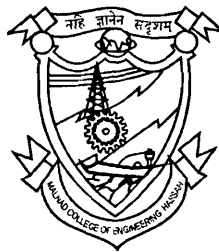
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## ABSTRACT

As the world is entering the modern era of technology in agriculture it is important for us to strengthen the back bone of this country. With this regard our project “Design and fabrication of small scale cashew nut shell remover” has been undertaken.

India is a country which produces and exports large quantity of cashew nuts. Majority of our agriculturists are small scale, owing to small acres of land and growing enough cashew nuts to support their needs.

Cashew nut undergoes many processes before it can be marketed. Shelling is the main process which involves the acquirement of kernel which has high market value. The kernel obtained by traditional methods does not have a good market value. Hence agriculturist has to take their produce to industries to get the shells removed thereby making less profit.

This project is concerned only with shelling of cashew nut. The nuts are transferred to the hopper and then to the conveyor. Two blades are arranged on either sides of the conveyor horizontally where one of them is stationary and the nut placed between the blades on the conveyor gets pierced. The kernel remains intact in one of the halves of the opened shell.