

Design and Fabrication of Bamboo Slicer

**Dr. D. M. Mate Atharva Rajendra Kulkarni D, Sachin Vijay,
Suyash Govinda Pingale, Utkarsh Sharad Borase**

Department of Mechanical Engineering
JSPM's Rajarshi Shahu College of Engineering, Pune, Maharashtra, India

Abstract: *This article details the creation of mathematical models based on experimental data for slicing bamboo using a flywheel powered by a human. Cutting the bamboo sliver using a human-powered flywheel motor included a number of dependent and independent variables. In order to produce the responses as an output, the independent variable sets were optimised in addition to being created and developed as part of the model. A total of 108 sets of readings were acquired for the experiment using the bamboo sliver cutting machine, which was created, constructed, and based on the principle of experimentation. In this work, the experimental results of three response factors, including the number of slivers, processing time, and resistive torque.*

Keywords: Bamboo, flywheel, cutting.

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