

Department : **Mechanical**

Year : **2017-2018**

Group No: **12**

Guided By

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**Project Title**

**MECHANICAL PLASTIC BOTTLE CRUSHING MACHINE**

**Abstract:**

This project describes about the experimentation of can or plastic bottle shredder machine and analysis of mechanism used in machine. Plastic shredder is a machine used for cutting the plastic in small pieces to make waste management easier. We are making this project model for recycling of plastic wastage in domestic area, industries etc. In these areas the plastic waste is present in large quantity, but the available machines used to recycle this waste are very costly. They packs this waste and give them to the local processing plants. So the process of packaging and transporting is much costly. So our intension behind this project is to process the plastic waste as cheap as possible by shredding where it is made for reducing cost of processing and transportation. Benefit of this machine is the reduction of labour work which results in cost reduction.

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