

Department : **Mechanical**

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Group No: **8**

Guided By

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Project Title

**IMPROVEMENT IN DESIGN OF WASTE BOTTLE REVERSE
VENDING MACHINE**

Abstract:

PET is most used plastic material in daily need of every people. After using products of PET plastic it becomes waste. The use of Plastic is classified into many categories but among them PET type plastic is used more than 50% than other types of plastics. To use the waste PET plastic there may be three ways like reduce, recycle and reuse This project is aimed to recycle the PET plastic with integration of fields of mechanical as well as electrical engineering. Reverse Vending Machine helps to recycle the waste plastic bottle to utilize it totally to save environment. However, RVM is still less known in India. So, this study has been conducted to learn acceptance of the machine by customers with its effects on both quantity and quality of recycled PET bottles. The consumer will get benefit of the effort of contribution to make society pollution free in terms of coupons.

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