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Group No: **5**

Guided By

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Project Title

**DEVELOPMENT AND ANALYSIS OF DOMESTIC REFRIGERATOR
CUM WATER HEATER & CLOTH DRYER BY UTILIZING
CONDENSER HEAT**

Abstract:

Now a day, Refrigerator becomes an essential product normally in all homes. In which heat is rejected from inside of compartment to environment so compartment is cooled below to an ambient temperature. Heat rejects by condenser occurs directly to an air in normal domestic refrigerator. Heat which is rejected form condenser at temperature above the ambient or room temperature, which can be utilize or recover for purpose like heating, drying, etc.

By use waste heat for water heating, heated water can be used for bathing, laundry, cleaning, cooking, drinking, etc. If this heated water is used then considerable amount of energy saved which is required for heating of it. If this heated water is used for cooking, then it will reduce use of LPG. This waste heat is also used for clothes drying purpose. The clothes drying rate is higher using waste heat then naturally indoor drying.

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