

Department : **Mechanical**

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Group No: **5**

Guided By

**PROF. PRAKASH  
MISTRY**

## **SMT. S. R. PATEL ENGINEERING COLLEGE, UNJHA**

### **Project Title**

### **“DESIGN AND DEVELOPMENT OF EVAPORATIVELY COOLED REFRIGERATOR”**

#### **Abstract:**

In rural area people required refrigerator and air cooler in summer. Based on this two application is fulfill in one in our project. Present invention generally relates to air cooler. More particularly, present design relates to a system and technique for evaporative cooler. Normally home and hotels in cooler are available for the purpose of cooled air. Accordingly, it is a principal rezone of current invention to give a system, which low power consumption and other purpose for cooled drinking water and vegetables, fruits are stored. This project consists of two applications as follow, (1) Cool drinking water storage, (2) vegetables, fruits storage. In this project the two heat exchangers are use. This type of heat exchanger is evaporate the water, this evaporate water is sprayed on refrigerated box and in refrigerated box water and vegetables, fruits are cooled. And top portion in set up the exhaust fan.

#### **Prepared By:**

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