

Department : **Mechanical**

Year : **2013-2014**

Group No: **8**

Guided By

**PROF. V. P. RAJPUT**

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

### **Project Title**

### **DEVELOPMENT OF OSCILLATING BED SOLAR DRYER**

#### **Abstract:**

We manufacture optimum quality solar dryers which are the best ways to dry the fruits, spices etc easily and without any power consumption. There is no air pollution when you dry your products under this solar drying shed, which is very cheap and efficacious. Our solar dryers are ideal for all agriculture products. Many types of solar dryers are there in present scenario.

Different types of solar dryers are studied in this work. Different patents and reserach papers are surveyed related to the solar present work. Different corelations related to nusselt,reynold,overall heat transfer coefficient are studied and forced air heater are studied.the calculation are done for  $1\text{m}^2$  size absorbed plate collector is consider.

We will oscillate the collector bed to face the radiation perpendicularly and check its efficiency.

#### **Prepared By:**

<b>Sr. No.</b>	<b>Student Name</b>	<b>Enrollment No</b>
1	PARMAR JALAP	100780119052
2	PRAJAPATI MEHUL	100780119030
3	MODI RAVI	100780119040

