

Department : **Mechanical**

Year : **2015-2016**

Group No: **25**

Guided By

**PROF. SUMIT  
KUMAR**

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

**Project Title**

**DESIGN AND DEVELOPMENT OF WATER SPRAY CLEANING AND  
GRADING OUT POTATOES ACCORDING TO SIZE**

**Abstract:**

Potatoes(*solanum tuberosum*) is considered as strategic and staple food product in India because of its high nutritional value and being a source of starch and different proteins. Sometimes potatoes are also called „king of vegetable“ in vegetable field according to survey, India are approximately tones potatoes are produces. In Gujarat, approximately 70% potatoes are produces in only Banaskantha area. So in this area various cold storage and half baked frozen potatoes factories are available for potatoes storages. Mostly farmers are growing the potatoes and after the last before the selling to be required the sorting of the potatoes as per sizes basis and classified sizing purpose. However the majority of potatoes production in India. Find its way in the market and it is used at homes and restaurants for the purpose of supplying consumers nutritional requirements. Each one of these types of potatoes in terms of quality, shape and size. In this condition potato size grading and sorting machine are required for classified different grade of potatoes.

Today, manual sorting and size grading method are used by some farmers. In addition to being subjective is costly and time consuming and in this method have required lot of man power. In our invention related to potatoes sorting and grading machine as per size and the main objective of our project is to provide a simple, efficient, easy to operate and less time consume operating device are to develop in agriculture field. In addition main purpose of our invention is to dedicate this semi automatic machine to the farmers in agricultures field and increase saving time for farmers and cold storage labours cost and also reduce human effort and work wedge shortly there are the lot off economical beneficial to the farmer.

**Prepared By:**

<b>Sr. No.</b>	<b>Student Name</b>	<b>Enrollment No</b>
1	THAKOR BAKUL K.	110780119095
2	PARMAR KIRAN N.	110780119100
3	SOLANKI KARAN B.	110780119103

