Department : **Mechanical**

Year : **2015-2016**

Group No: **28**

Guided By

**PROF. M. D. PATEL**

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

**Project Title**

## DESIGN AND DEVELOPMENT OF TRUE CENTRIFUGAL CASTING MACHINE


## Abstract:

The aim of the project is design and development of centrifugal casting machine. This machine produce hollow cylindrical parts. The casting part reduce porosity and make a sound casting part.

The operation of the machine is based on the principle of centrifugal force. Suitable design theory and calculation wereadopted carried out in the course of the work. The mold is bolted to the base plate which can rotate at moderate speeds thereby forcing the molten metal against the inner walls of the mold. This machine could be used to cast small engineering components in small industries and for practical purpose in workshop.


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