

Department : **Mechanical**

Year : **2015-2016**

Group No: **27**

Guided By

**PROF. M. P.
RAJPARA**

SMT. S. R. PATEL ENGINEERING COLLEGE, UNJHA

Project Title

AUTOMATIC ELECTROMAGNETIC BREAKING SYSTEM

Abstract:

Every year, we find more and more road accidents due to increased traffic on the roads, and if you see the statistics, you will find that the casualties are more every year than that of 1970 Indo -Pak war. Experts say, increased motorist population, long working hours and stressful life are the major reasons for the rise in road accidents. The factors are beyond one's control, but if we could alert the driver on the highway, could save many precious lives. We haven't presented a very complex solution for this; neither claimed to be expert traffic controllers. Usually fixing some sort of speed sensor system on the vehicle which can detect the speed of the vehicle and convey to the driver that he is not in the permitted speed limit in a quite common and expensive. As a simple solution, we have pre installed low cost speed sensor on required vehicle to convey the speed limit information, even further, if the automatic breaking system could be actuated on over speed is a decent approach.

This project work describes in detail, the project work undertaken by us during the final semester. The contents of this report includes a brief description of the Electro-Magnetic Disk Breaking System, supplemented by a good numbers of necessary and descriptive figures which makes this projects report very easy to understand.

In addition to these, the report also contains the detail regarding how electro-magnets do works. Above all, this report gives a detailed description of Electro-Magnetic Disk Breaking System. This description is empowered with the experimental analysis of the system and electro-magnets. This report will be of help for those who wish to understand about the basic working of electromagnetic disk braking system, especially those who wish to study electromagnetic disk braking system.

Prepared By:

Sr. No.	Student Name	Enrollment No
1	VIPUL S. RAJPUT	110780119070
2	NIKUL K. PRAJAPATI	120780119091
3	SAGAR K. MODI	120780119075
4	MILAN R. DARJI	120780119084

