

FABRICATION OF ELECTRO MAGNETIC BRAKING SYSTEM

A Project report submitted In partial fulfillment of the requirements for the award of the
Degree of

**BACHELOR OF TECHNOLOGY IN
MECHANICAL ENGINEERING**

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CERTIFICATE

This is to certify that project work is entitled "FABRICATION OF ELECTRO MAGNETIC BRAKING SYSTEM " is a bonafide record done by G.NANI(15811A0345),A.HARI BABU(15811A0305),CH.WILSON(15811A0324),G.FEROSEKUMAR(15811A0347) students of final year **B.Tech** in the Department of **Mechanical Engineering**, Avanti Institute of Engineering and Technology, Visakhapatnam. This work was done for the fulfillment of the requirements of the award of **Bachelor of Technology** during the year 2015-2019.


PROJECT GUIDE


HEAD OF THE DEPARTMENT


EXTERNAL EXAMINER

ABSTRACT

An electro magnetic brake is a new and revolutionary concept electro magnetic braking system is a modern technology braking system used in light motor and heavy motor vehicles like car, jeep, busses, truck etc. This system is a combination of electro magnetic concepts The frequency of accidents is now a days increasing due to inefficient braking system. in this research work, with a view to ensure to the braking system in automobile, a prototype model is fabricated and analysed it is apparent that the electro magnetic brake is an essential complement to the safe braking of heavy vehicles. It aims to minimize the brake failure to avoid the road accidents it also reduces the maintenance of braking system. An advantage of the system is that it can be used an any vehicle with minor modifications to the transmission and electrical systems.

KEYWORDS: Brake, accidents, torque, electro magnetism, brake power.