**Crash Analysis of four wheel vehicle**

**ABSTRACT**

With the improvements in roadways and implementation of new design technologies to automobiles, vehicle safety has found a tremendous turn in these days. Evenautomobile community is making its continuous effort to improve automobile safety to reduce injury and death drastically. In the present work one such effort is showcased by carrying out crash analysis of car at different velocities using ANSYS Explicit Dynamics approach.Structural Steel and other some more materials as wall(obstacle) are used and aluminum alloy, magnesium alloys are taken as the body material for car model.

The main purpose of a **crash analysis** is to see how the **car** will behave in frontal or/and sideways collisions.

**SUBMITTED BY**

M.NAGARJUNA REDDY (158A1A0326)

U. BRAHMAIAH (158A1A0350)

K. REVANTH (158A1A0319)

E. ASHOK KUMAR (158A1A0313)

A. PHANEENDRA (158A1A0303**)**

**PROJECT GUIDE HEAD OF THE DEPARTMENT**

D. ASHOK Dr.J. KRISHNA

(ASSISTANT PROFESSOR) (PROFESSOR)