

**ACHARYA POLYTECHNIC**



SOLADEVANAHALLI, BANGALORE -90

APPROVED BY AICTE BOARD, NEW DELHI

DTE BOARD, GOVT OF KARNATAKA

**“KSCST” PROJECT PROPOSAL REFERENCE NO: 33S0823**

PROJECT REPORT

ON

**“Implementation of AIR BAG sensor using CAN protocol  
with GSM Technology”**

PROJECT REPORT 2009-2010

**DIPLOMA IN ELECTRONICS & COMMUNICATION**

**UNDER THE GUIDANCE OF**

Mrs. TEJASWI. J (LECT IN E.C)

**SUBMITTED BY**

CHETHAN.H.S

HARISH.N.B

LAKSHMEESHA.K.J

SUNIL.T. S

## **ABSTRACT**

The main aim of the project is to implement the air bag sensor with the GSM technology using CAN protocol. In this project when accident occur intimating the owner and saving the driver head from colliding to the steering wheel by releasing air bag. This information is transmitted wirelessly to the mobile device held by the owner when the sensor is in range and the owner is alerted to violations. This approach combines hardware and software technologies. This system is controlled through the Interconnection of the CAN control protocol devices and the CAN bus via CAN transceivers, being connected use the PIC microcontrollers (node). But also the battery voltage level, fuel level and temperature level can be detected from the sensor the customer is coded for the minimum level after that at a time the sensor will sense and transmitted through GSM modem to the mobile phone to the owner and also buzzer will be ON and display in the LCD of the car.