A

Report on

ARDUINO BASED SMART HELMET SYSTEM FOR TWO WHELLERS

A report submitted for the partial fulfillment of the requirements for Mini Project of

BACHELOR OF TECHNOLOGY

IN

ELECTRONICS AND COMMUNICATION ENGINEERING

Submitted by

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MINI PROJECT

(ARDUINO BASED SMART HELMET SYSTEM FOR TWO WHELLERS)

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ARDUINO BASED SMART HELMET SYSTEM FOR TWO WHEELERS

ABSTRACT

Road accidents are becoming very common in the country. The impact of road accidents can lead to the loss of many lives and can also damage many body parts. This situation becomes more serious if the riders won't wear the helmet which can be prevented by wearing the helmet and can reduce these impacts. While riding the bike, the government made it a mandatory rule to wear a helmet. Using this rule as a base, a smart helmet system is proposed which helps in providing safety to the riders and prevents accidents. The system mainly consists of Arduino Uno as a processor for processing the data, GSM & GPS modules for tracking the location and sending a message to authorized numbers, a wiper for wiping the raindrops on the helmet screen.