**VISVESVARAYA TECHNOLOGICAL UNIVERSITY**

**“Jnana Sangama”, Belagavi - 590 018, Karnataka, India**

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**PROJECT WORK REPORT (17ECP85)**

### ON

“Accident Alert and Vehicle Tracking System using GPS and GSM”

*Submitted in partial fulfillment of the requirements for the award of the Degree*

### BACHELOR OF ENGINEERING

In

### ELECTRONICS AND COMMUNICATION ENGINEERING

*Submitted by*

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**CERTIFICATE**

This is to certify that the project entitled **“ACCIDENT ALERT AND VEHICLE TRACKING SYSTEM USING GPS AND GSM”** is a bonafide work carried out by **NAGA NIKHIL P (1MV17EC071), K C SAI SRUJAN REDDY (1MV17EC048) & BUDUR HARSHA VARDHAN (1MV17EC027)** of **Sir M. Visvesvaraya Institute of Technology**, Bangalore, in partial fulfillment for the award of degree of Bachelor of Engineering in **Electronics and Communication** **Engineering** of the **Visvesvaraya Technological University**, Belagavi during the academic year 2021-2022. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the report submitted to department library. The project report has been approved as it satisfies the academic requirements in respect of Project work (17ECP85) prescribed for Bachelor of Engineering degree.

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**ABSTRACT**

After all the elements are connected properly, the framework is placed into a moving automotive. If an associate degree accident happens, the accident thanks to the acceleration that occurred is detected by the ADXL335 measuring instrument. The x, y and coordinate axis ADC output pins of the measuring instrument are directly associated with Arduino ADC pin A1, A2, and A3.After effective transcription and uploading the program to Arduino IDE, the system is instated with success, the measuring device is aligned and also the x , y and z samples of the vehicle area unit are shown on the serial monitor. After receiving the GPS signal, the latitude and longitude of the current position of the vehicle are displayed, The speed is displayed in knots.

When the measuring system is agitated abnormally, i.e., within the event of AN accident once there's a sudden distinction in a pivot, SMS is shipped to the mobile range documented within the code and therefore the latitude and line of longitude is additionally sent as Google maps. The message is received within the preset mobile range beside the particular space. The Alcohol Sensor(MQ3 Sensor) which is placed inside the car detects the breath of the driver , if it detects any alcohol smell from the driver the sensor immediately alarms the sensor so that the driver can stop the vehicle to avoid the accident that might occur.

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