**ABSTRACT**

Our project contains a system module which collects the data from the pulse rate of human being and alcohol consumption rate through alcohol sensor. We are using Raspberry Pi and mobile phone for M2M communication and a high-level object oriented Python programming.

There will be two sensors mounted on the steering wheel of the vehicle which reads the health status of the driver and the data will be measured. The measured data is sent to Raspberry Pi as input and the samples will be analyzed for a threshold level. Whenever the fixed threshold level of pulse and alcohol rate is exceeded, an alert notification is sent to the registered number and one of their relatives and guardians through an app named Lifeline. At the same time, data is sent to medical professionals at the back end and person can be warned about the health hazards as well as incorporating this will regulate and reduce the number of road accidents that take place due to reckless and drunk driving. The GPS is used to fetch the current location. Whenever the network is weak, the previously fetched data will be stored internally and on regaining the network, the pulse rate will be obtained.