

## **Title : SAFE HELMET**

### **Team members:**

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### **Abstract:**

The main objective of this project is to develop a safe helmet for the bikers to provide safety and security based on alcoholic sensor. An alcohol sensor is placed near to the mouth of the driver in the helmet to detect the presence of alcohol. The bike section controls the bike movement based on the sensor values. If the biker is in drunken state, an alcohol sensor detects the alcohol percentage if it is above threshold level the ignition key will not allow the bike to start. Nowadays, most cases of accidents are unit by motor bikes. The severities of those accidents are increased because of the absence of helmet or by the usage of alcoholic drinks. In our project we have a tendency to develop an electronic smart helmet system that efficiently checks the wearing of helmet and drunken driving. By implementing this system a safe 2 wheeler journey is possible which would decrease the head injuries throughout accidents caused from the absence of helmet and additionally reduce the accident rate due to drunken driving. we have a tendency to introduce advanced sensors techniques and radio frequency wireless communications are included in this project to make it a good one. Our system efficiently checks the wearing of helmet and drunken driving. By implementing this system a safe 2 wheeler journey is possible which would decrease the head injuries during accidents and also reduce the accident rate because of drunken driving. The thought of developing this project comes to do some good things towards the society. Day by day the two wheeler accidents are increasing and leads to loss of many lives .The many reasons for these are carelessness of the persons, consuming alcohol, drink and drive, not wearing helmet.

### **Photos:**

