

Smart Helmet with Smart Ignition



A smart helmet which not only protects the bike rider from injuries during an accident but also ensures that the rider wears it while driving. The smart helmet is fitted with sensors which will not allow the bike to start until the rider wears it.

Usually riders avoid / ignore to wear helmets while driving their two wheelers. This increases the number of mishaps in road accidents. We created a system which consists of a Smart Helmet & Smart Ignition. The driver of the vehicle would be able to start the vehicle only when he/she is wearing the helmet. The vehicle won't start without the helmet. This will ensure the usage of the helmet & ultimately will reduce number of mishaps in road accidents. There are two main units in this project. Each unit uses a microcontroller. Signal transmission between the helmet unit and bike unit is done using a RF module.