

# Fire Retardant

Shakarchi, Ibraheem Saad Ismaiel (School: Baghdad Ishik Boys College)

Alaade, Ayoob Mohammed (School: Baghdad Ishik Boys College)

Car accidents can result in a spectrum of situations, ranging from a few car dents and passenger bruises to a complete catastrophe involving a trip to the emergency room. And this concept discourses about reasons of vehicle accidents taking place on the roads and solutions to reduce the number of daily situations like these. Car crashes aren't always lethal but due to the mechanism of the fuel pumping circuit it allows the feed pump to continue operating even after the car crash which can dump fuel all around the engine room increasing chances of starting a fire. Though, by deploying sensors around the car we could stop fire from starting inside the car. The structure doesn't contain any complexity and is compatible with any car to be installed on. It can be applied directly and installed into vehicles or for more reliability manufacturing with an already added Fire Retardant mechanism is better.