# FuelRFID

Ishtaiah, Hala

Haqsh, Lana

With the increasing number of cars, and buses and the evolution of transportation led to steadily increase the number of problems, including the problem we faced which is faulty fuel in the vehicle and consequential damage characterized by exposing people's lives at risk, especially the walk in the car and may lead to engine damage and consequent material damage on average 1500 shekels and possibly also studied explosion dwellers lives of passengers also have a global reach. And may lead to engine damage and consequent material damage on average 1500 shekels and possibly also studied explosion dwellers lives of passengers. Universal packing cases may reach 150 000 wrong annually which invited us to think about how to overcome the problem of faulty packing? Assuming the possibility of designing a device prevents the wrong fuel entry by preventing the pump from packing, where the existing RFID reader on the fuel nozzle identifies the card ID which is at the fill hole and illustrating fuel type. We examine the extent of the problem and the interviews and questionnaires where we have reached more than 80% in favor of the idea of designing a device we designed and introduced the idea to manage a gas station they were pointing out to apply it on their premises. After studying the societal environment and study the benefits of the device we concluded the importance of his presence in the vehicle to save time and effort and money to drivers and station owners.

**Awards Won:**