**WOMEN SAFETY JACKET INTEGRATED WITH IOT**

This is a Jacket implemented for women safety.All age- group women can wear this safety jacket to protect herself from danger.This jacket is made on an apron.In this apron,we have two special features that are:

The whole jacket is designed with alumunium foil tape which is connected to a circuit whenever the user feels that she is in danger of someone is following her or she can be harmed she just has to switch on a circuit by pressing a button given in the jacket.As a button would be pressed the current will flow in the jacket and the attacker will feel a current shock.

The second feature is that the whole jacket is connected with a software platform which is connected through user's internet(wi-fi signal).This action will send an alert message to the registered contact number along with their location of a user and provide current to the attacker simultaneously.

The circuit that we have used in the jacket contains **ESP8266 CHIP(IOT), BATTERY, RELY, BUZZER, BUG ZAPPER circuit.**

**WORKING**: The Battery supply current to the **ESP8266** which is connected through a user's network. After that the buzzer will weap after every 5 second that indicates the circuit is **on**. Simultaneously, the rely will convert the Lower voltage to the higher voltage that will transfer to the **BUG ZAPPER** circuit for supplying the current on the Jacket.After pressing the Button **ESP8266** will send the message to the software platform.Through this,the contacts which is registered by the user will receive the alert notification along with the location.

In this way this jacket is useful for women in everyday life and it will also decrease crimes against women.