**PROJECT SUPPLIES:**

1. RASPBERRY PI ZERO.
2. RASPBERRY PI CAMERA.
3. SD CARD.
4. ZONG 4G DEVICE.
5. ASUS 3000 MAH BATTERY.
6. HALL EFFECT SENSOR MODULE.
7. WIRELESS CHARGING MODULE.
8. NODE MCU.
9. NEO 6M-V2 GPS MODULE.
10. BUCK BOOSTERS FOR CHARGING DISCHARGING
11. BATTERY CHARGING MODULES.
12. WALLET / PURSE.
13. MISC ITEMS (PCB / BREADBOARD/JUMPERS ETC)
14. ANDRIOD APPLICATION.

**PROJECT:**

**MILESTONES ACHIEVED:**

1. PROJECT BATTERY MANAGEMENT.
2. WIRED + WIRELESS CHARGING.
3. WIFI HOTSPOT.
4. GPS TRACKING. (WITH BLYNK APP ONLY).

**MILESTONES ACQUIRED:**

THE ANDRIOD APPLICATION THAT IS REQUIRED WILL HAVE TWO GUI BUTTONS,

1. GPS LOCATION POWERED THROUGH GOOGLE MAP JUST LIKE BLYNK APP FROM THE TUTORIAL. USING THE CODE PROVIDED IN THE TUTORIAL.
2. CAMERA IMAGES IN LOST MODE.

**LOST MODE CRITERIA. (ANTI THEFT)**

A ZONG 4G DEVICE IS PLACED INSIDE THE PURSE POWERED BY PROJECT BATTERIES TO THE PCB WITH A BUTTON.

1. FOR LOST MODE, THE MICROCONTROLLER WILL CONNECT TO UR CELL PHONE USING BLUETOOTH.
2. IF THE CONNECTION ON THE BLUETOOTH BREAKS, A PUSH NOTIFICATION SHOULD BE SEND TO PHONE TO ACTIVE THE LOST MODE.
3. IF FOR (CERTAIN) TIME THE USER DID NOT RESPOND THE LOST MODE ACTIVATES ON WALLET.
4. THE LOST MODE WILL FIRST ACTIVE THE HALL EFFECT SENSOR PLACED ON THE OPENING LIP OF THE WALLET OR PURSE THAT WILL BE USED AS A TRIGGER FOR THE NIGHT VISION CAMERA THAT WILL BE PLACED INSIDE THE WALLET.
5. SO WHEN THE HALL EFFECT SENSOR BREAKS CONNECTION THE CAMERA WOULD START TAKING PICTURES AT THE RATE OF 1 IMAGE PER SECOND FOR A MINUTE OR TWO.
6. THAN THOSE PICTURES MUST BE UPLOADED TO THE CLOUD THROUGH THE 4G DEVICE DATA PACKAGE PLACED INSIDE WALLET.
7. FROM THE CLOUD THE ANDRIOD APP CONNECTS TO PHONE’S 4G/3G/WIFI AND DOWNLOAD IMAGES FROM THE CLOUD TO BE VIEWED ON PHONE.

ANY CRITICISM IS WELCOMES ALONG WITH QUERIES AS WELL.