8/04/2024

Done:

1. Wrote codes for reading data from sensor using arduino and STM32F103RB
2. Tested STM32F103RB with sensors but got default values only instead of getting sensor data

What to improve:

1. Finding Arduino cable
2. Finding Ultrasonic sensor
3. Testing Arduino with sensor

10/04/2024

Done:

1. Reading sensor data using Arduino
2. Display them using putty COM9
3. Tested the sensor data changes
   1. LEFT-UP: aX decreases significantly and aZ decreases slightly
   2. RIGHT-UP: aX increases significantly and aZ increases slightly
   3. BACK-UP: aY decreases significantly
   4. FRONT-UP: aY increases significantly
4. Tested GSM900 by calling a SMI card slotted
5. Identified the needed ports on GSM900
6. Did a research on how to pass data from a sensor to thinkSpeak (Sensor-Arduino-GSM900-ThinkSpeak)
7. Requested Power source and vehicle to use for testing purposes

What to improve:

1. Sending data to thinkSpeak using MPU module, Arduino and GSM900
2. Apply deep analysis on the data obtained from the sensors to set threshold decisions

11/04/2024

1. Codes for sending data to thingSpeak are working effectively and tested using Postman
2. Got 9V voltage to supply GSM900

What to improve:

1. Highlight the issue that caused GSM not to function
2. Apply deep analysis on the data obtained from the sensors to set threshold decisions