# Train Detection & Alert System (Quick Gate)

**Status Document – 02** 



B.Sc. (Hons) Degree in Information Technology Specialized Data Science

# **Department of Information Technology**

Group: 23-302

Biyanwila B.D.V.J. – IT20212490

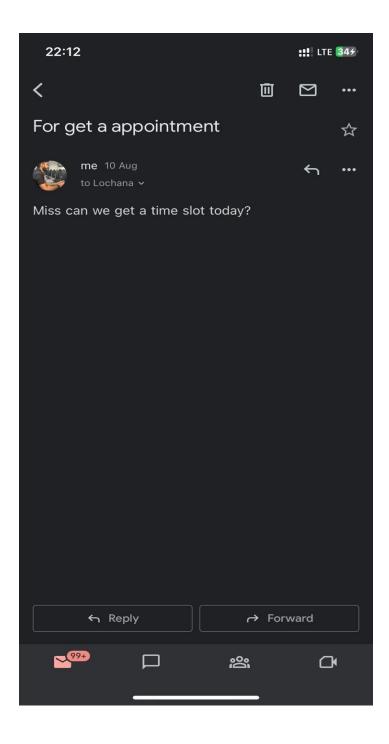
Submission Date: 07/09/2023

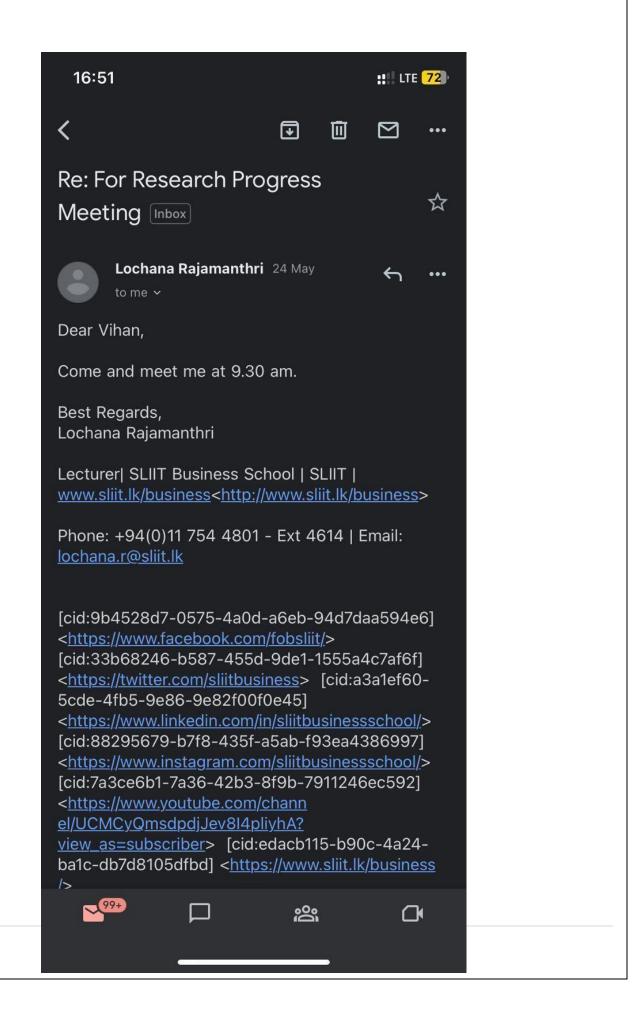
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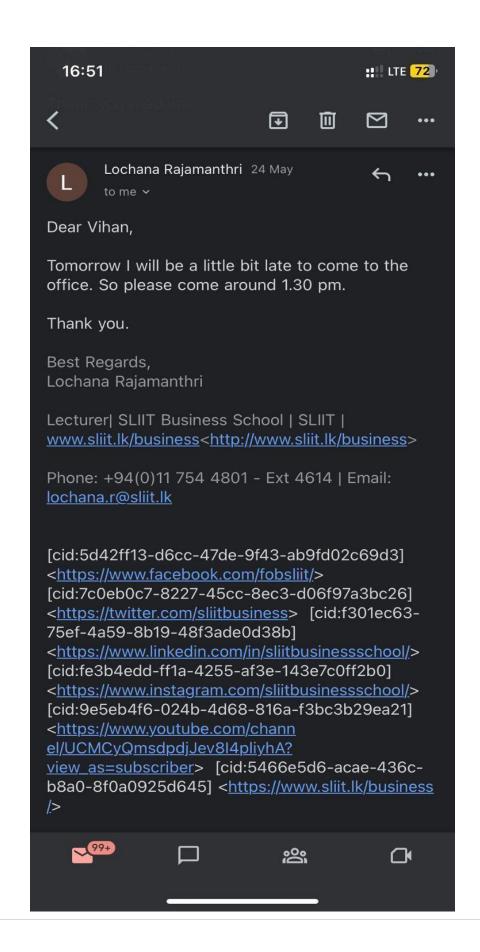
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. MS teams files
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. Chat in WhatsApp group with group members
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mpleted 90% of the Research Project
Main Back-end code
Defining the roads near the railway crossing
. Distance Prediction display using API
. Data retrieving to the Firebase Database

# 1. Communication with Supervisors

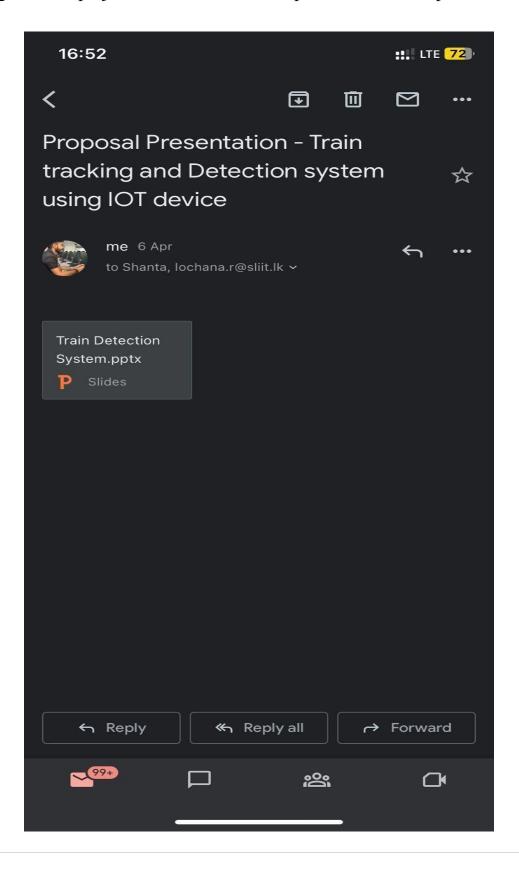
1.1. Visiting the Supervisor and the co-supervisor regularly.

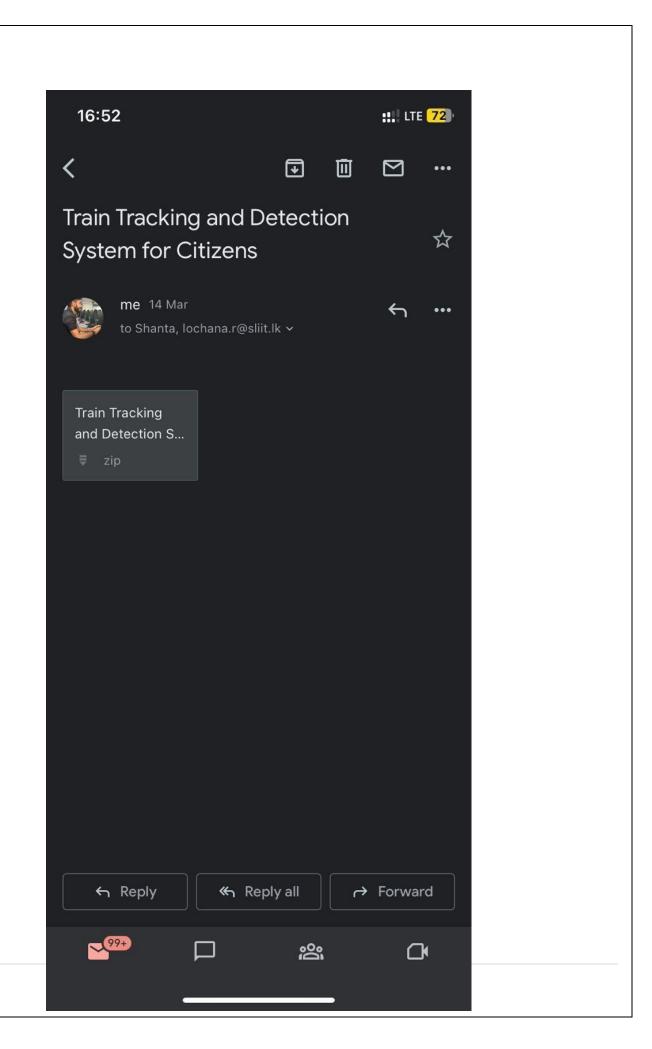




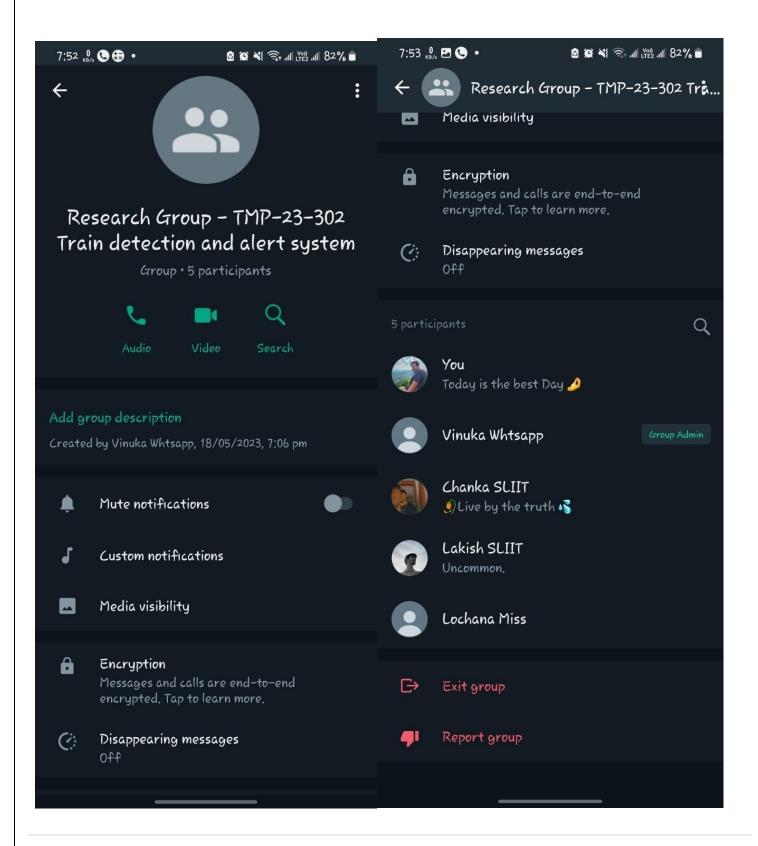


1.1. Sending research project-related files to the Supervisor and Co-supervisor

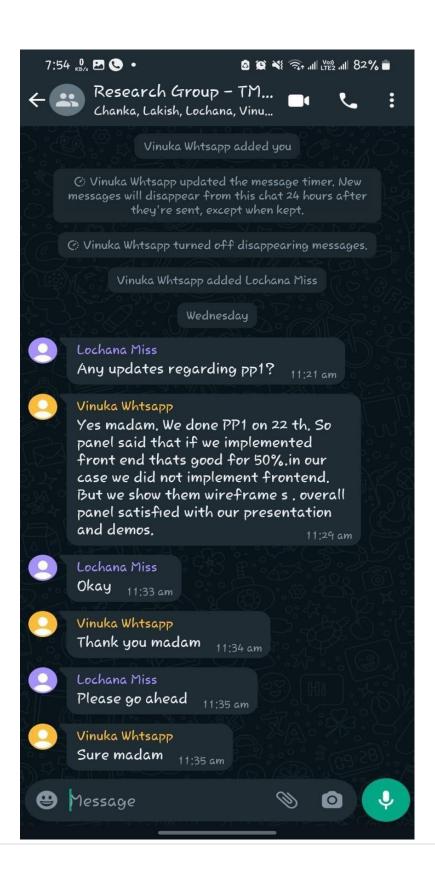




#### 1.2. Create a WhatsApp Group with supervisor and co-supervisor

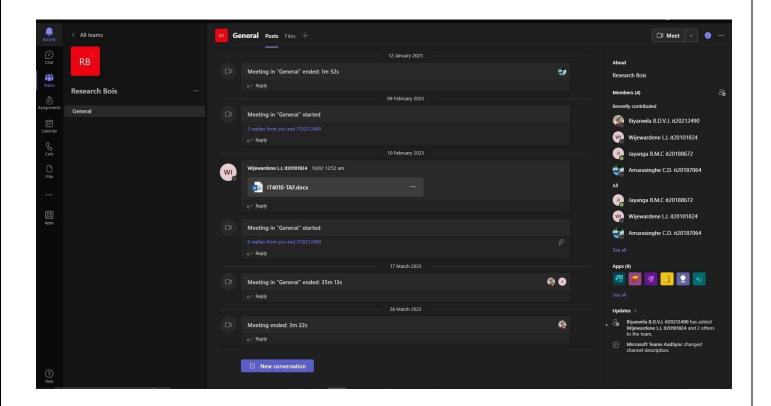


1.3. Share ideas with supervisor through WhatsApp chats.

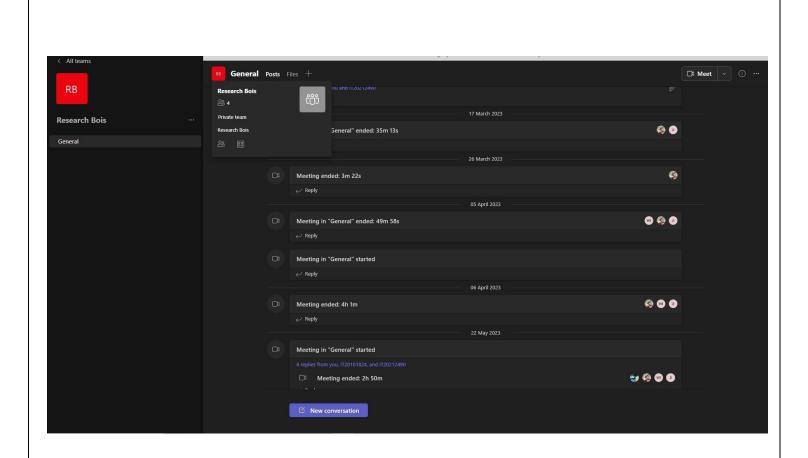


# 2. Research Group

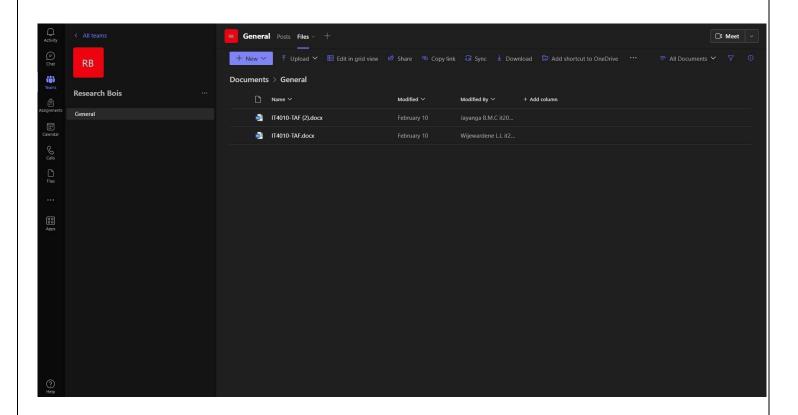
2.1. Create a MS team group with team members.



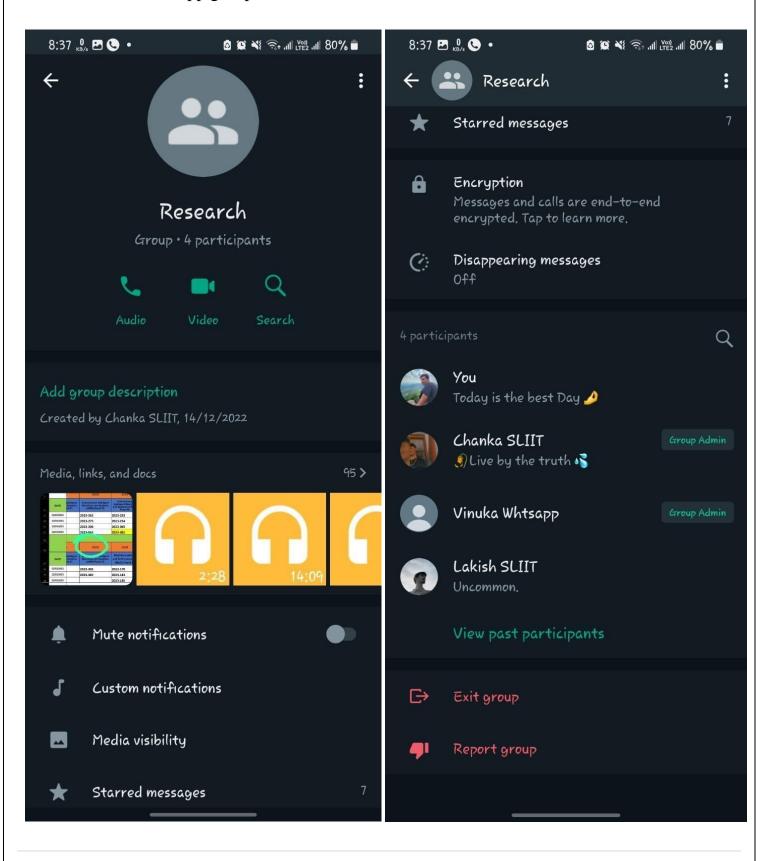
2.2. MS teams meetings with members.



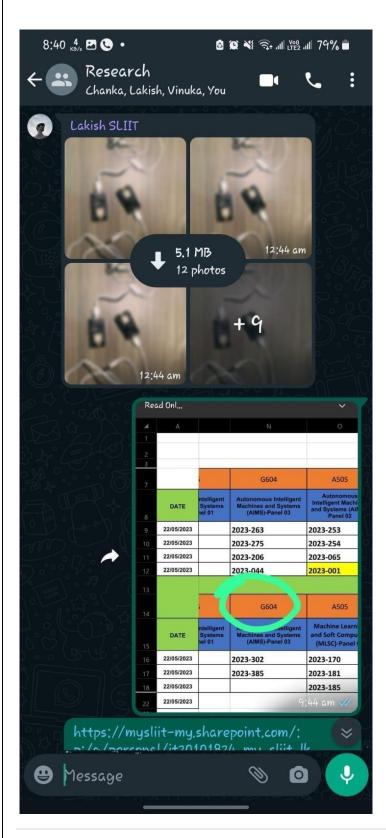
#### 2.3. MS teams files



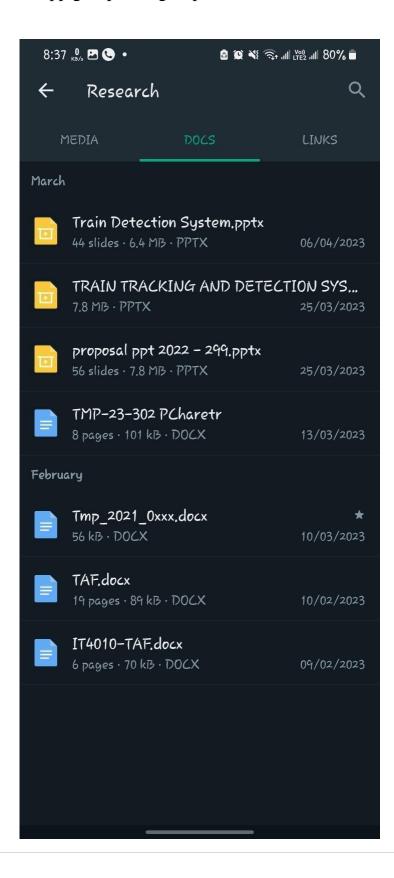
#### **2.4.** Create a WhatsApp group with team members.



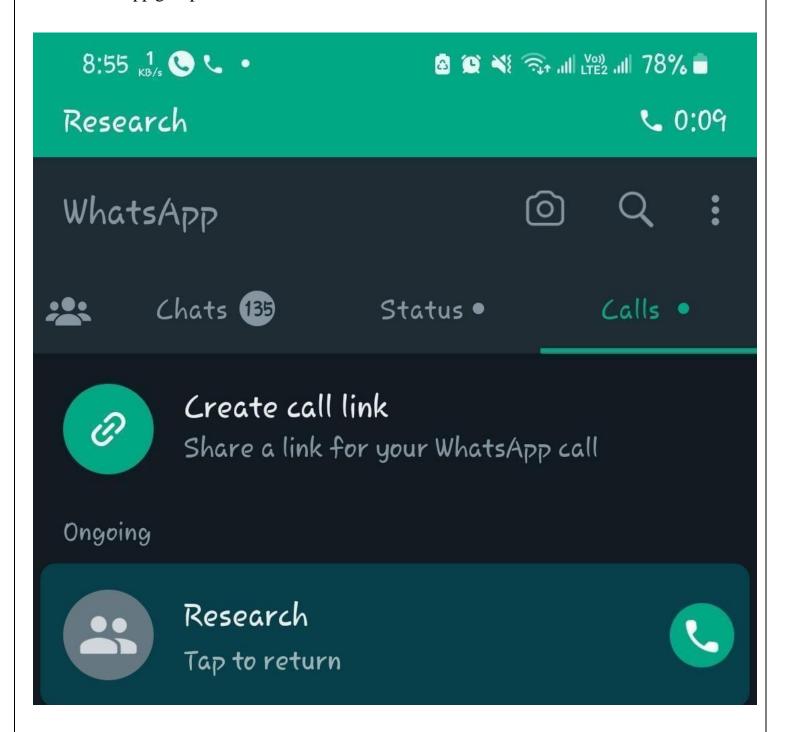
# 2.5. Chat in WhatsApp group with group members



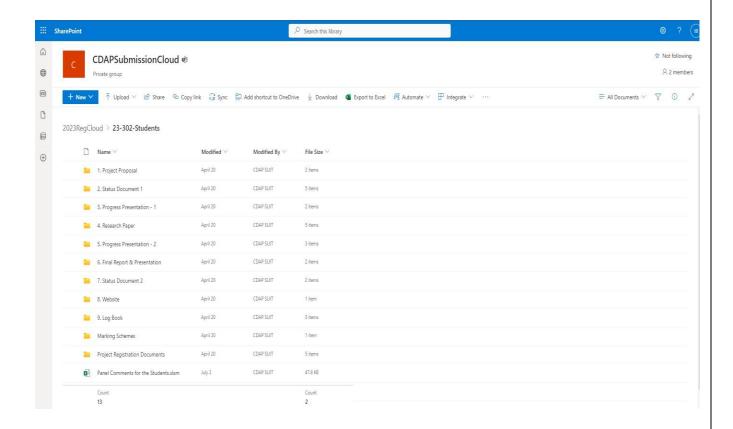
#### 2.6. Files shared in WhatsApp group with group members



#### 2.7. WhatsApp group calls.

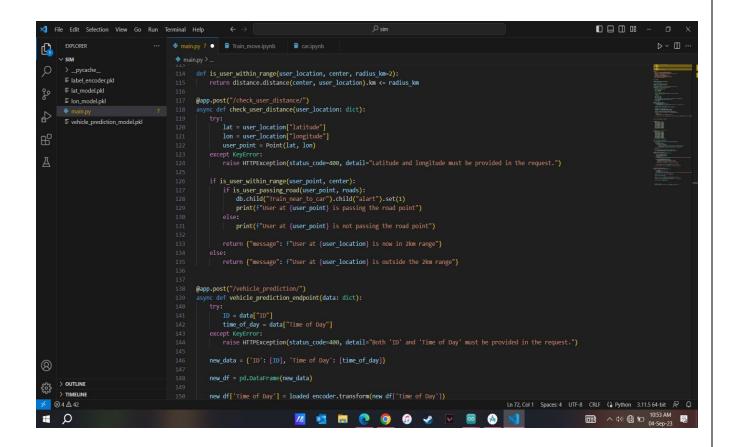


# 3. Update CDAP Cloud Submissions

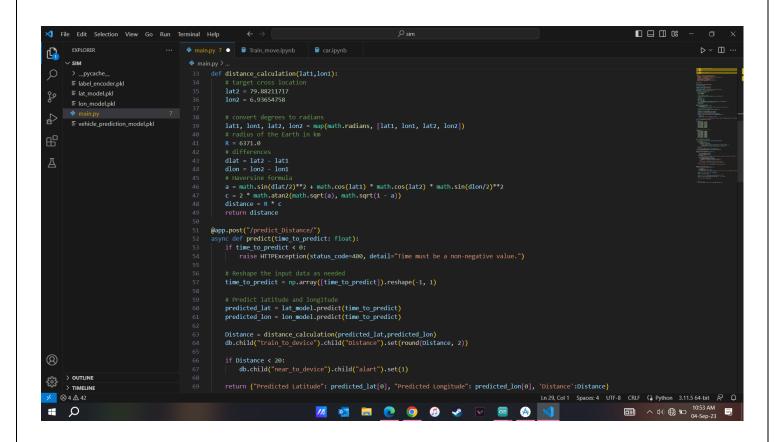


# 4. Completed 90% of the Research Project

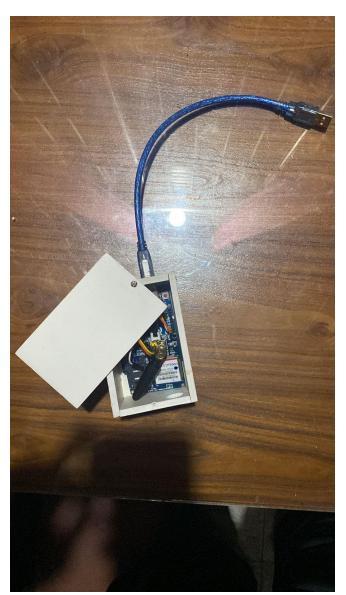
4.1 Main Back-end code



4.2 Defining the Train location and target location.

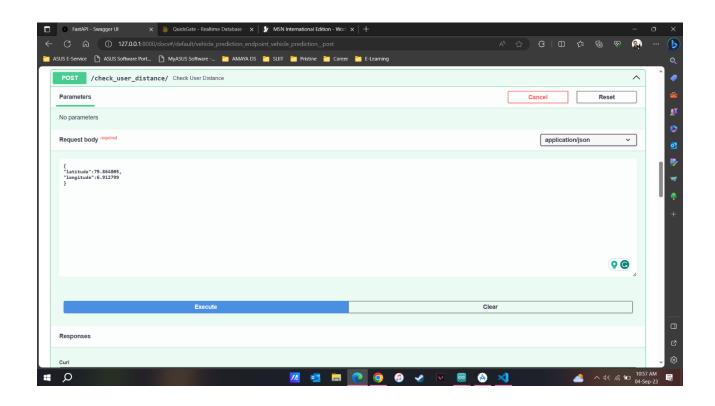


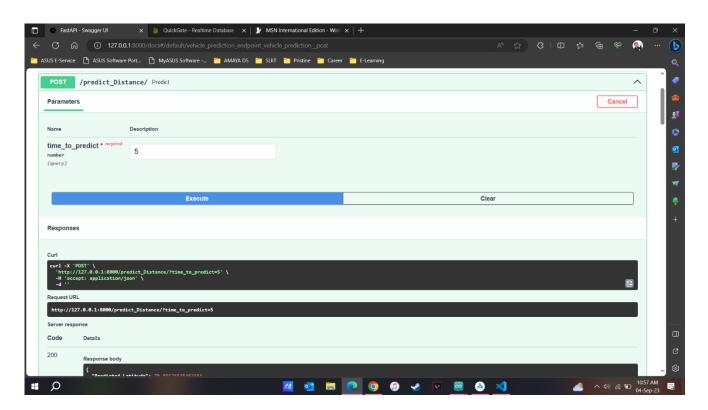
4.3. IoT devices used for the system





4.4. Distance Prediction display using API





### 4.5. Data retrieving to the Firebase Database

