Train Detection & Alert System

Status Document – 02

B.Sc. (Hons) Degree in Information Technology

Specialized Data Science

Department of Information Technology

Group: 23-302

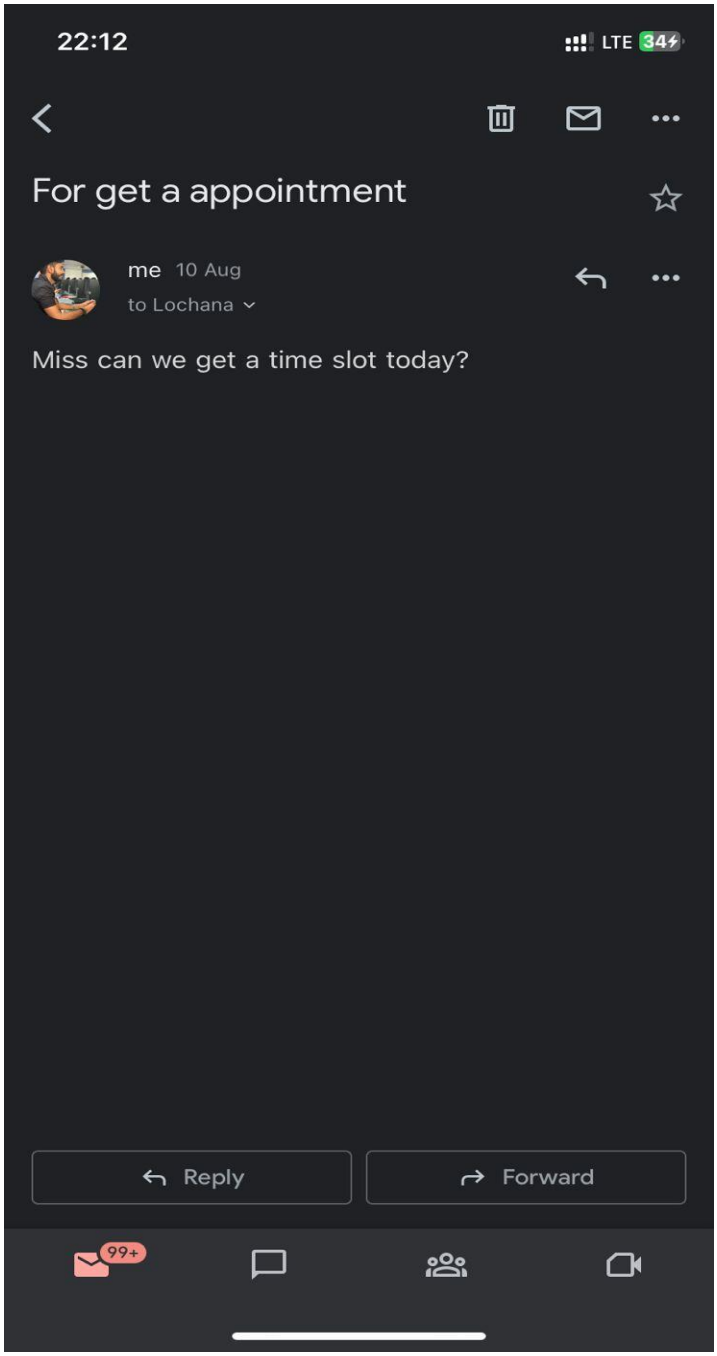
Jayanga B.M.C – IT20188672

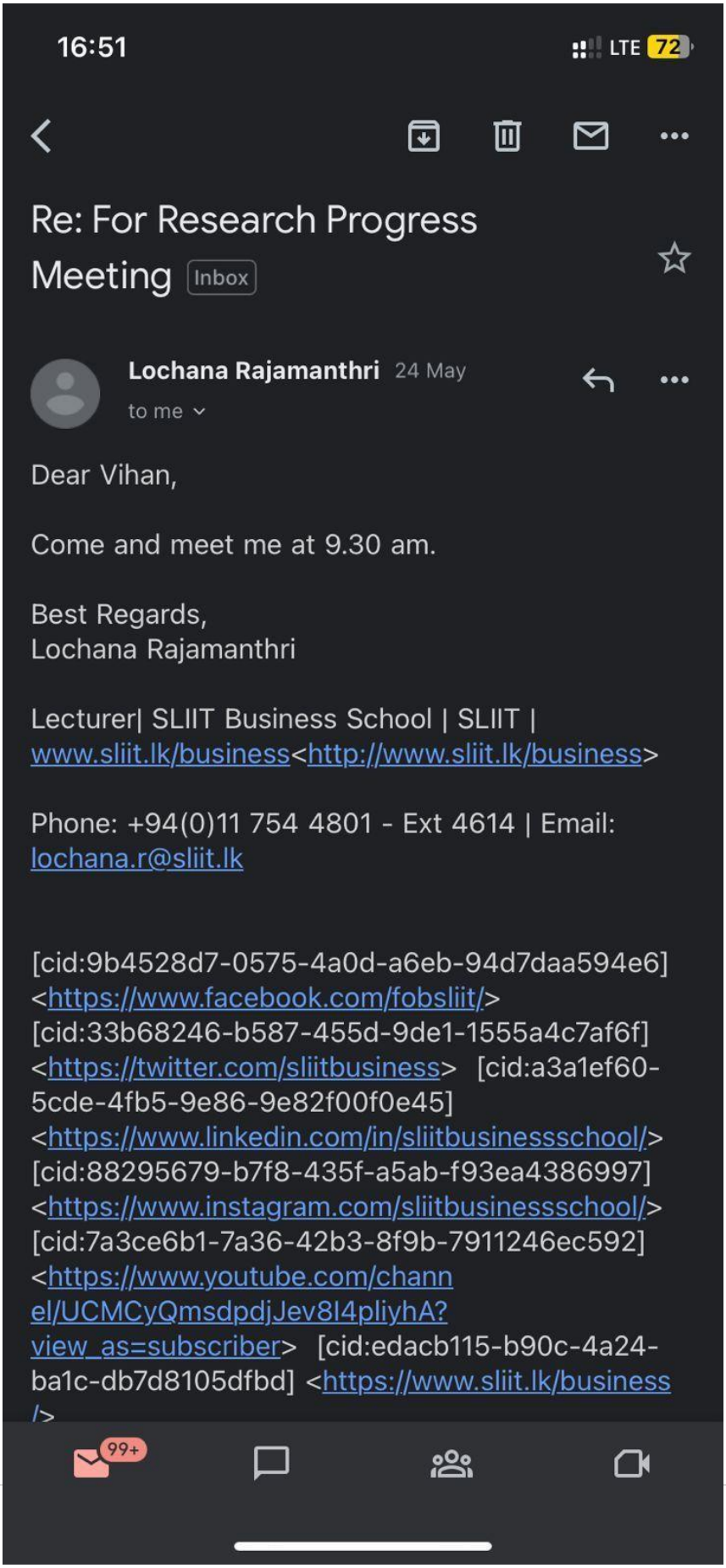
Submission Date: 07/09/2023

Contents

1. Communication with Supervisors

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




16:51
LTE 72
Re: For Research Progress Meeting
Inbox
Lochana Rajamanthri 24 May
to me
Dear Vihan,
Come and meet me at 9.30 am.
Best Regards,
Lochana Rajamanthri
Lecturer| SLIIT Business School | SLIIT | www.sliit.lk/business<http://www.sliit.lk/business>
Phone: +94(0)11 754 4801 - Ext 4614 | Email: lochana.r@sliit.lk
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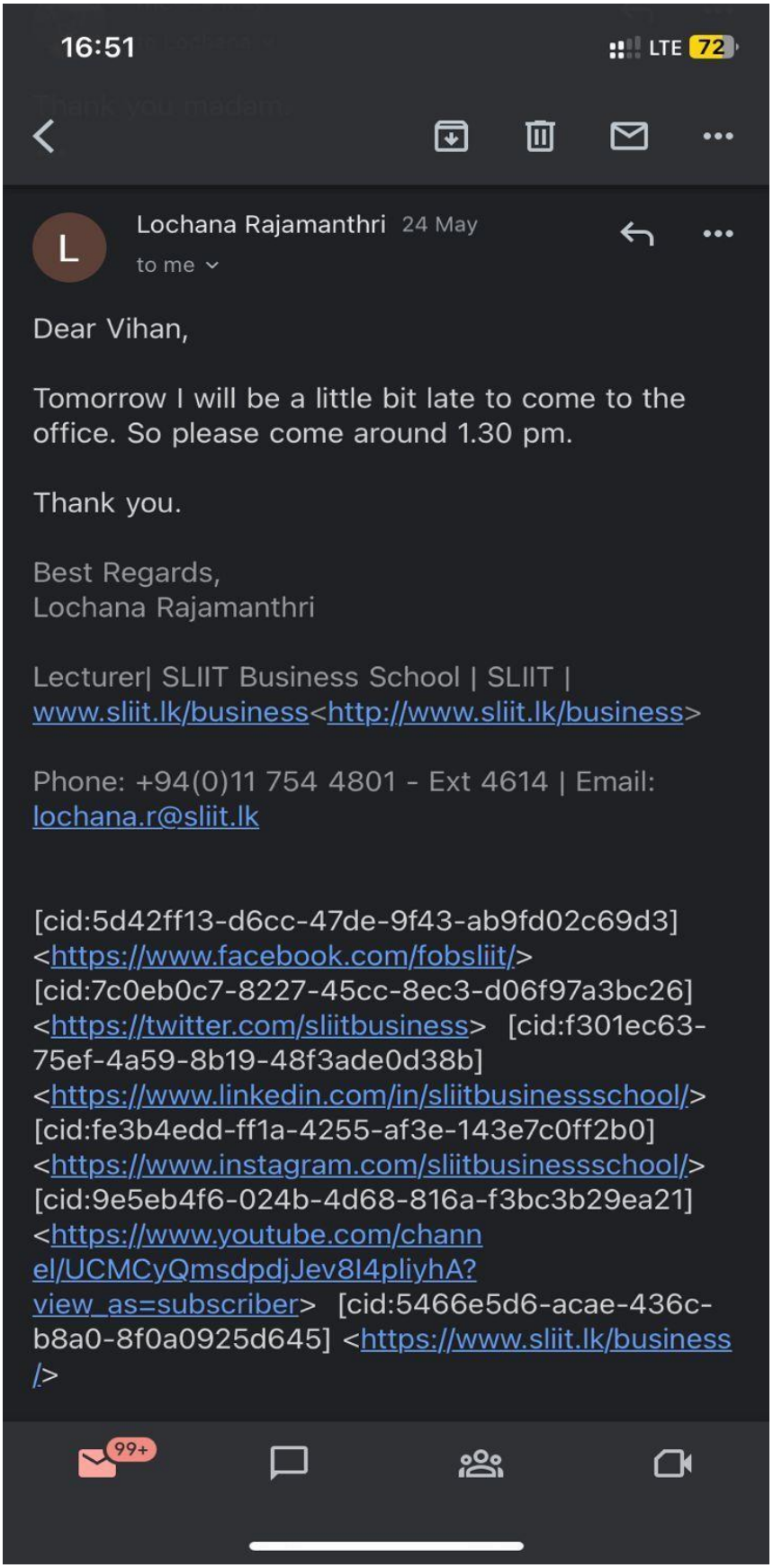
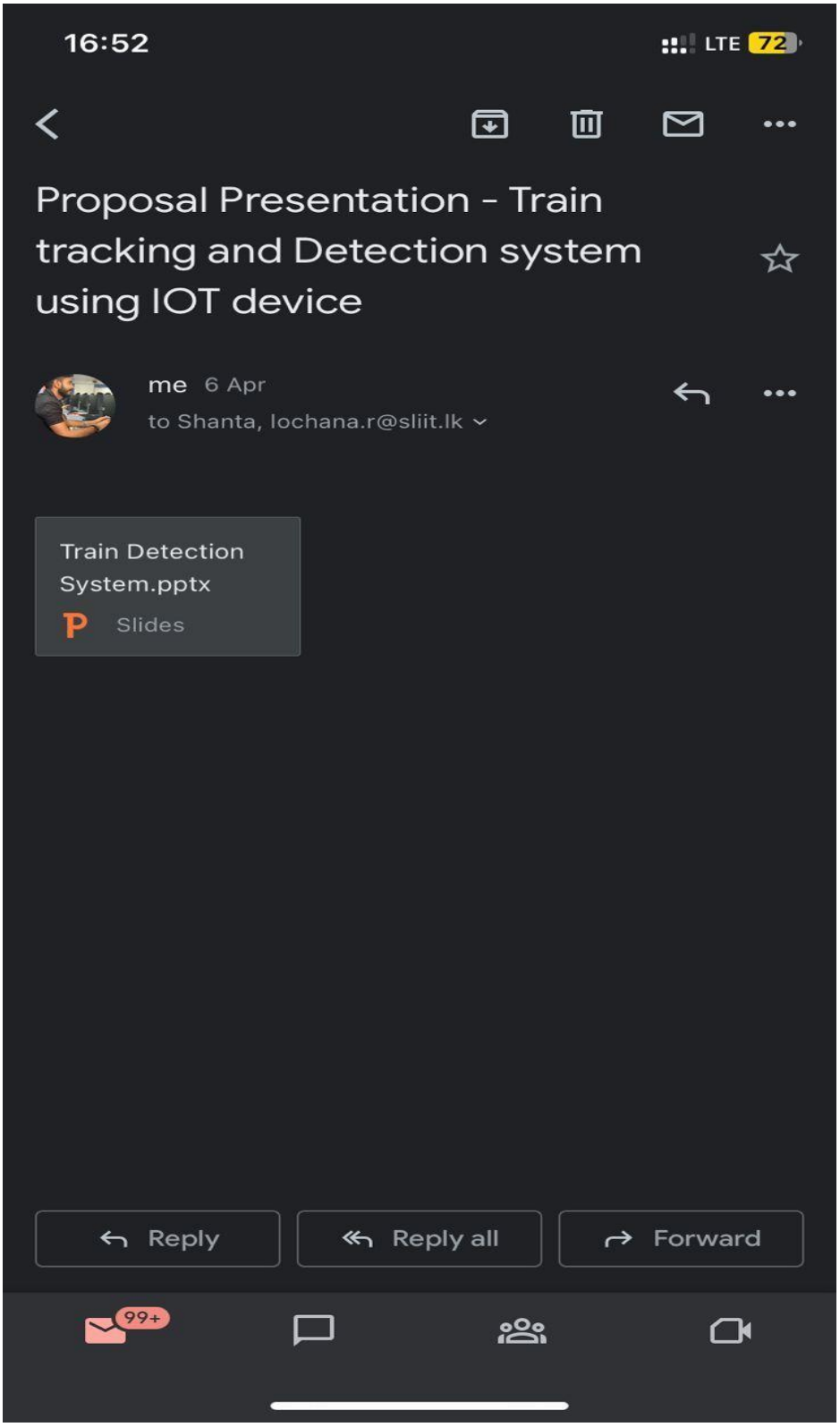
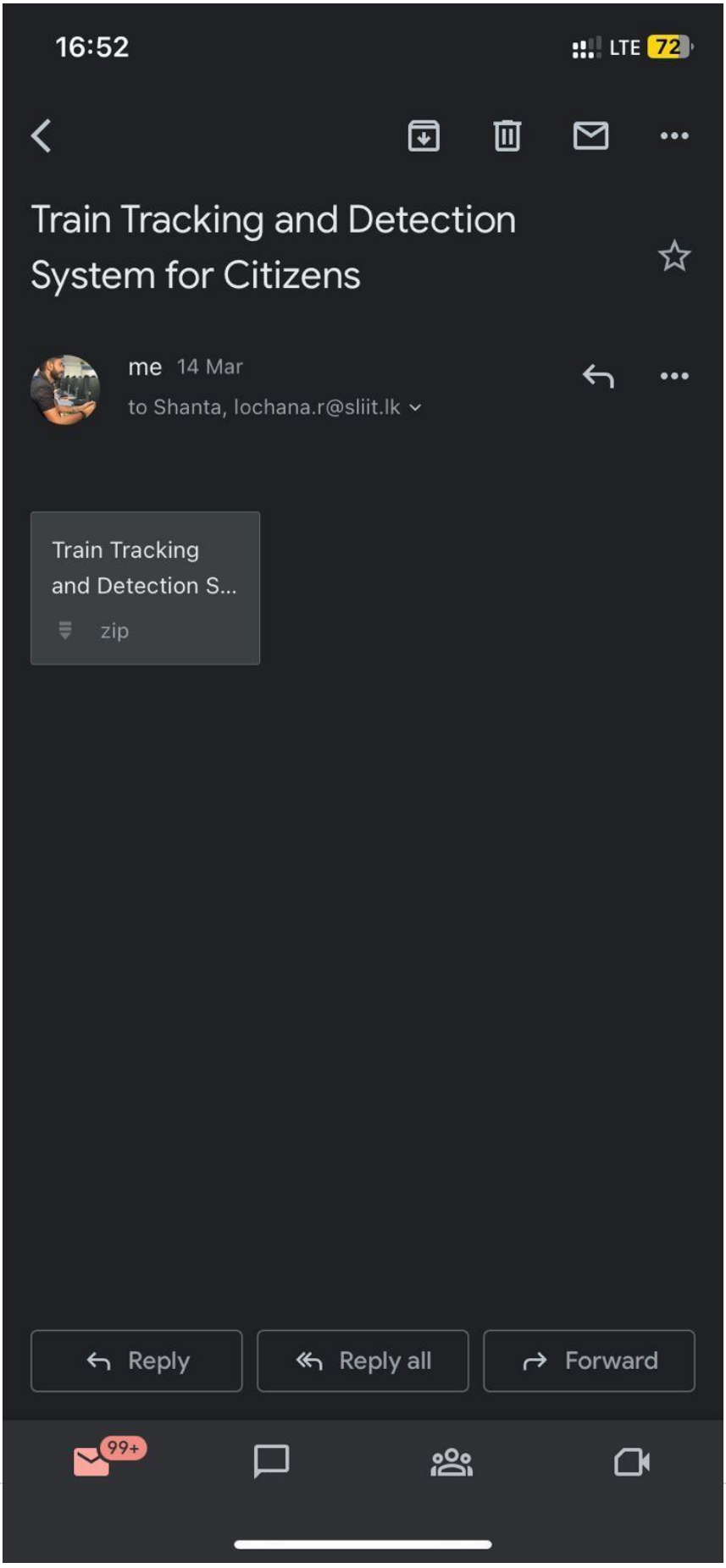
99+

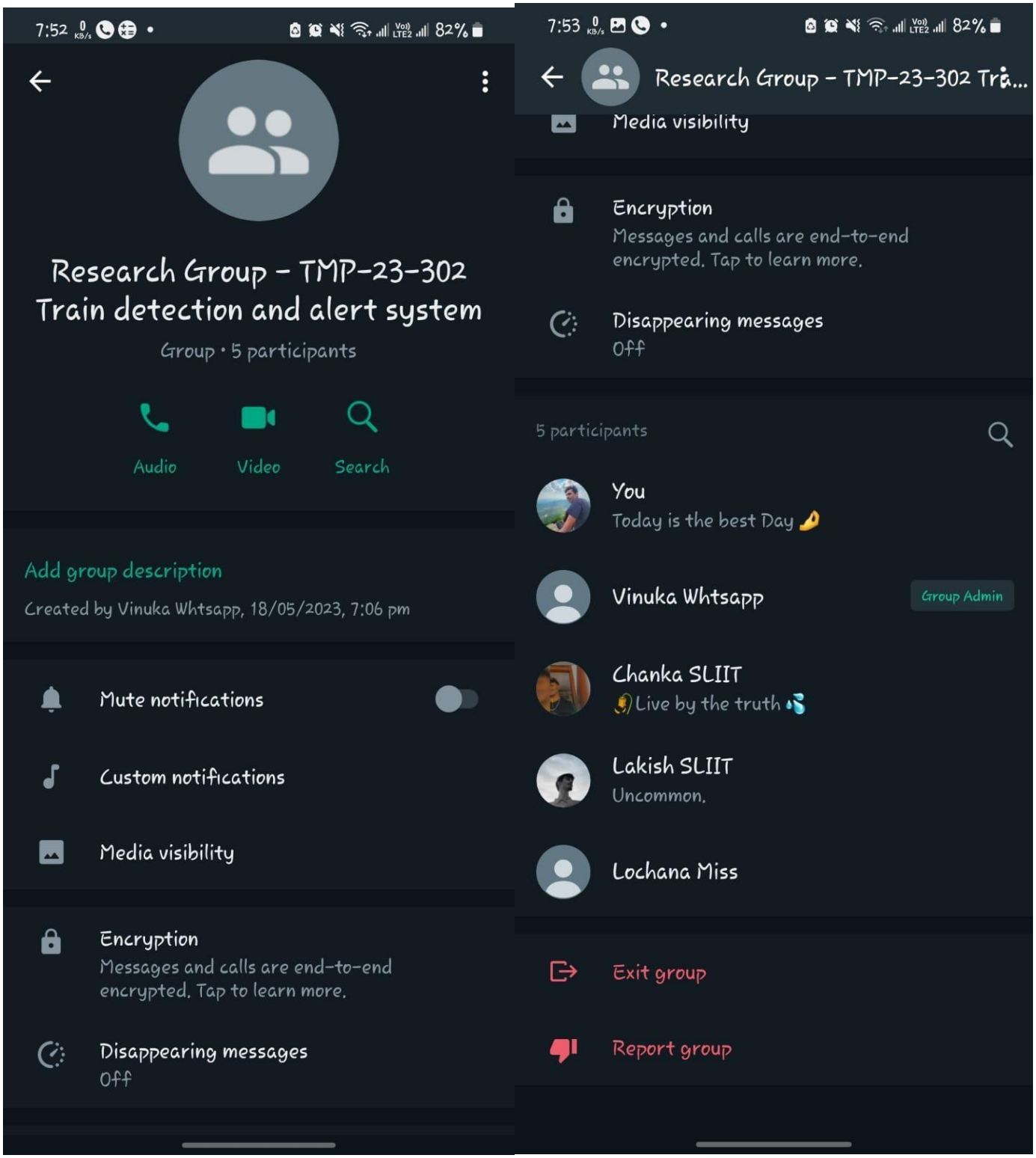

16:51
LTE 72
Lochana Rajamanthri 24 May
to me
Dear Vihan,
Tomorrow I will be a little bit late to come to the office. So please come around 1.30 pm.
Thank you.
Best Regards,
Lochana Rajamanthri
Lecturer| SLIIT Business School | SLIIT | www.sliit.lk/business<http://www.sliit.lk/business>
Phone: +94(0)11 754 4801 - Ext 4614 | Email: lochana.r@sliit.lk
[cid:5d42ff13-d6cc-47de-9f43-ab9fd02c69d3] <https://www.facebook.com/fobsliit/> [cid:7c0eb0c7-8227-45cc-8ec3-d06f97a3bc26] <https://twitter.com/sliitbusiness> [cid:f301ec63-75ef-4a59-8b19-48f3ade0d38b] <https://www.linkedin.com/in/sliitbusinessschool/> [cid:fe3b4edd-ff1a-4255-af3e-143e7c0ff2b0] <https://www.instagram.com/sliitbusinessschool/> [cid:9e5eb4f6-024b-4d68-816a-f3bc3b29ea21] <https://www.youtube.com/channel/UCMCyQmsdpdjJev8I4pliyhA?view_as=subscriber> [cid:5466e5d6-acae-436c-b8a0-8f0a0925d645] <https://www.sliit.lk/business/>
99+

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

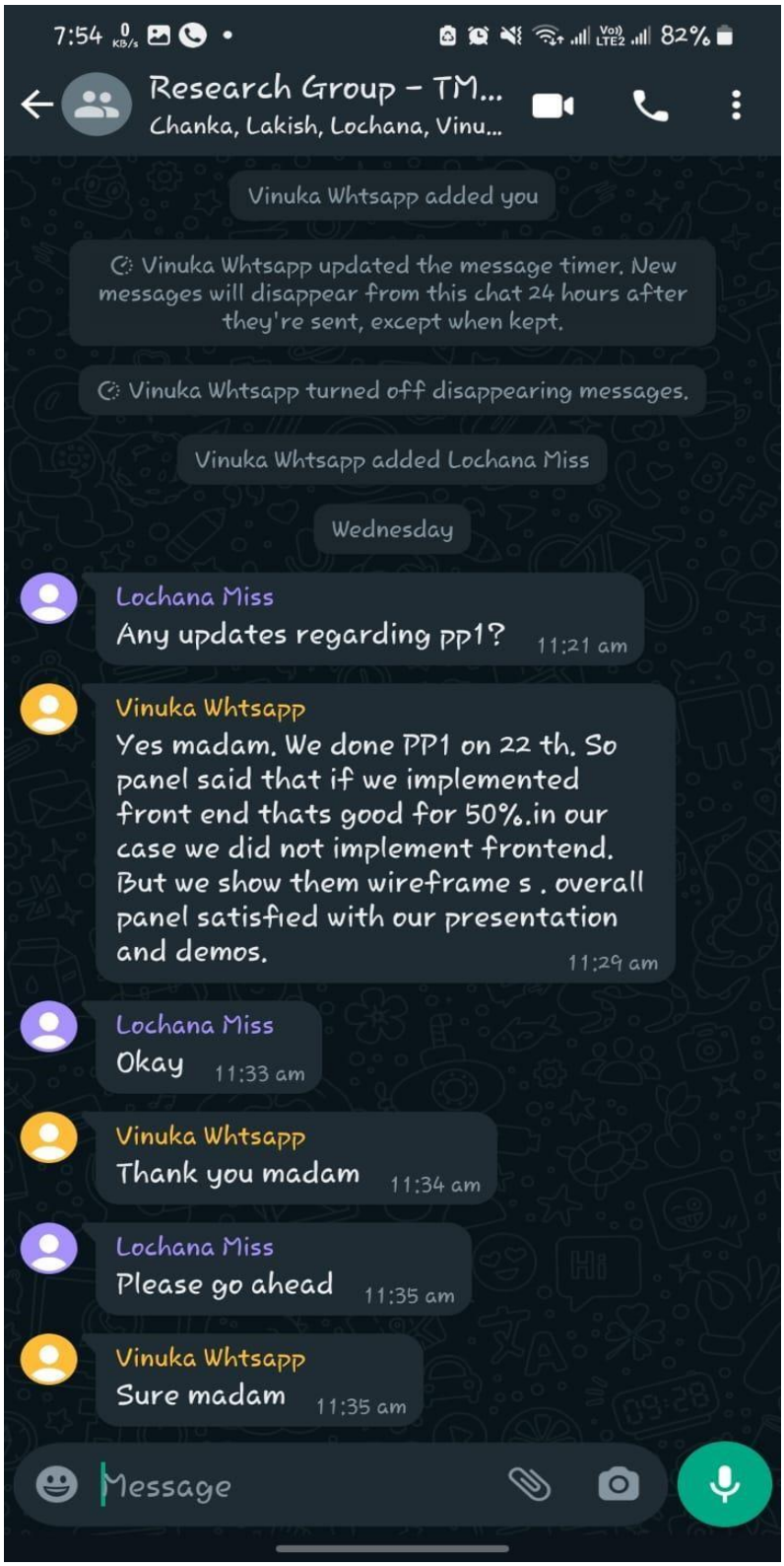



16:52
LTE 72
Train Tracking and Detection System for Citizens
me 14 Mar
to Shanta, lochana.r@sliit.lk
Train Tracking and Detection S...
zip
Reply
Reply all
Forward
99+

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

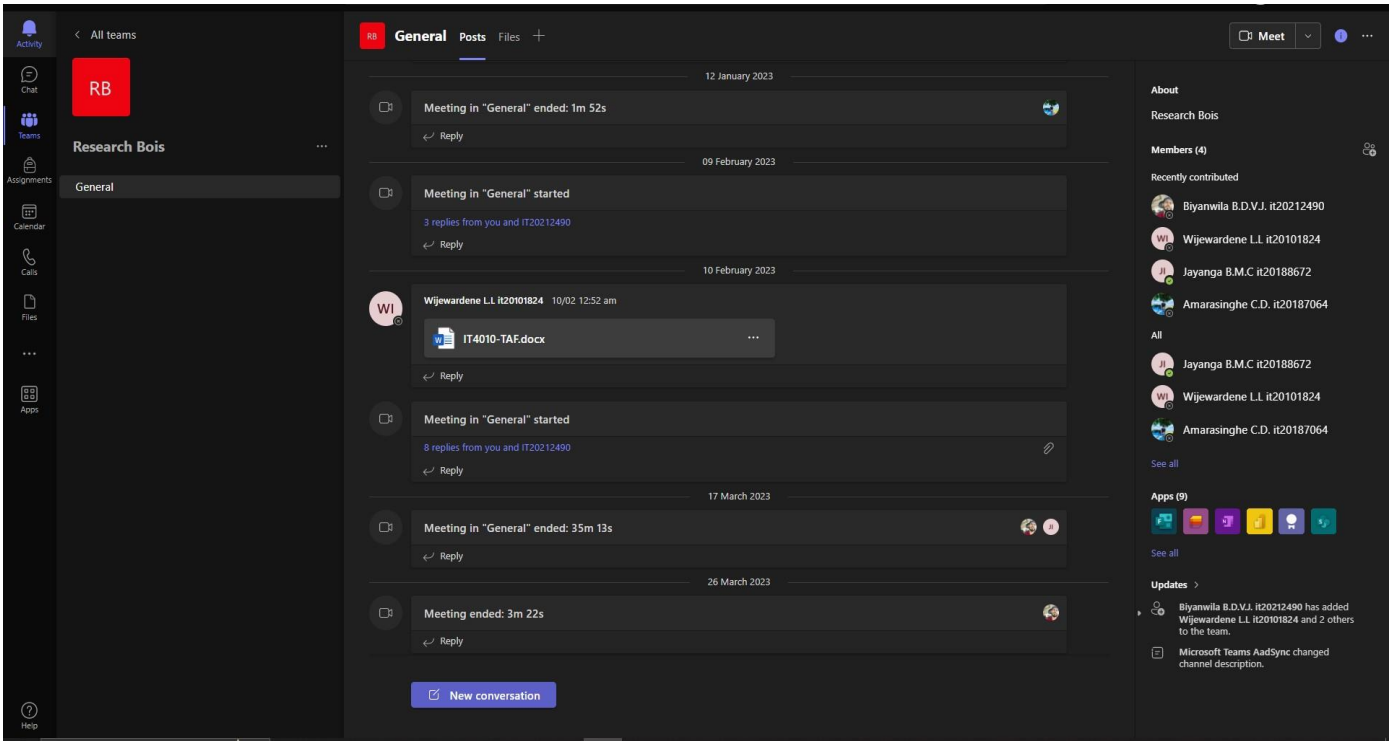


1.3. Share ideas with supervisor through WhatsApp chats.

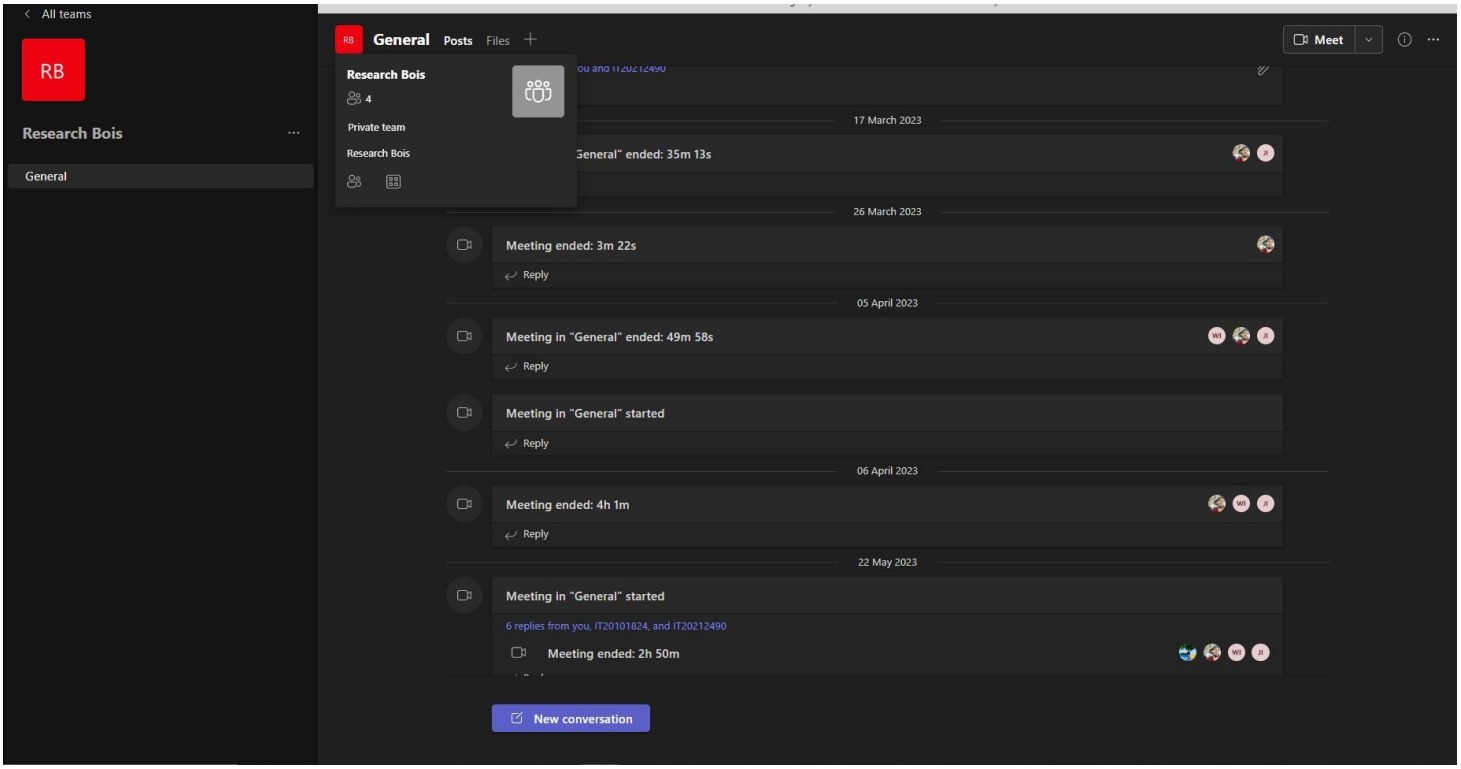


2. Research Group

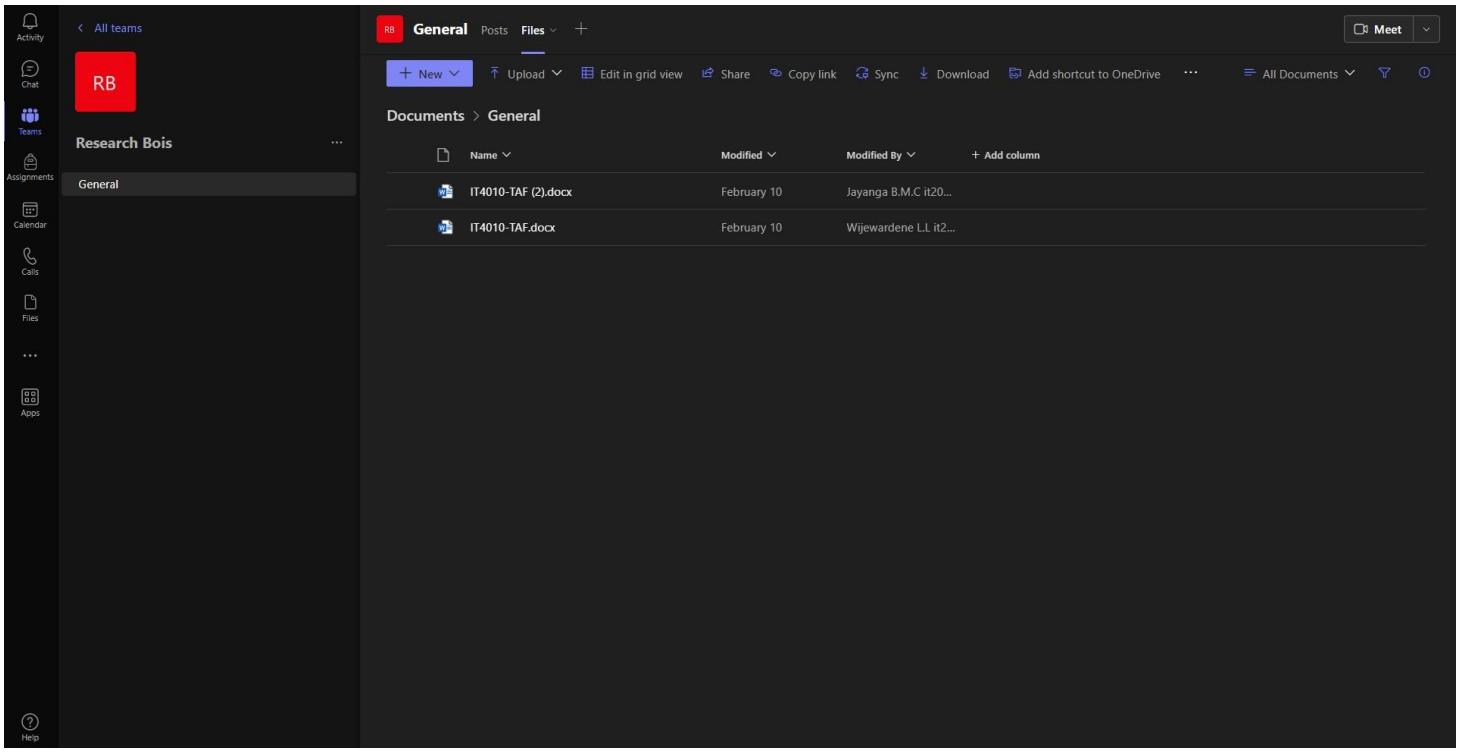
2.1. Create a MS team group with team members.



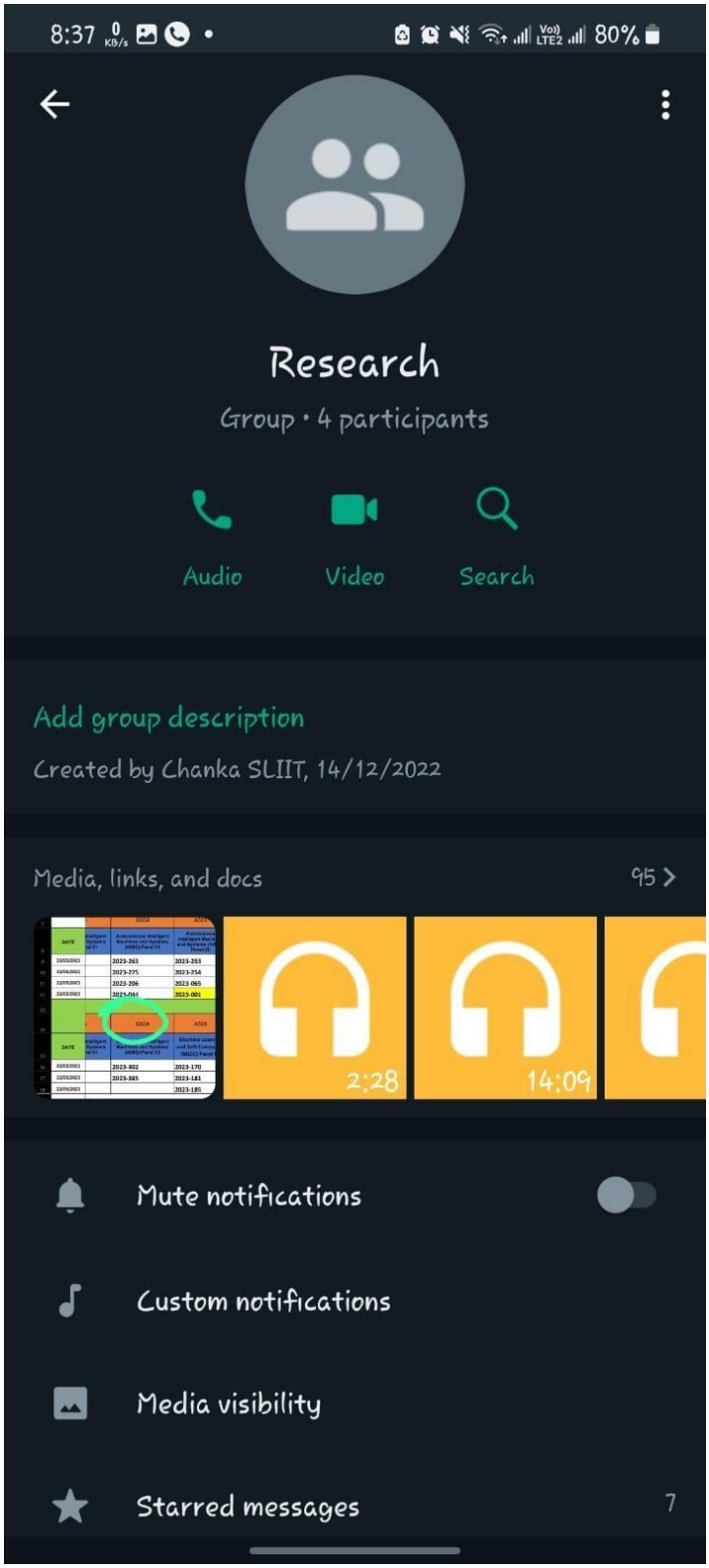
2.2. MS teams meetings with members.

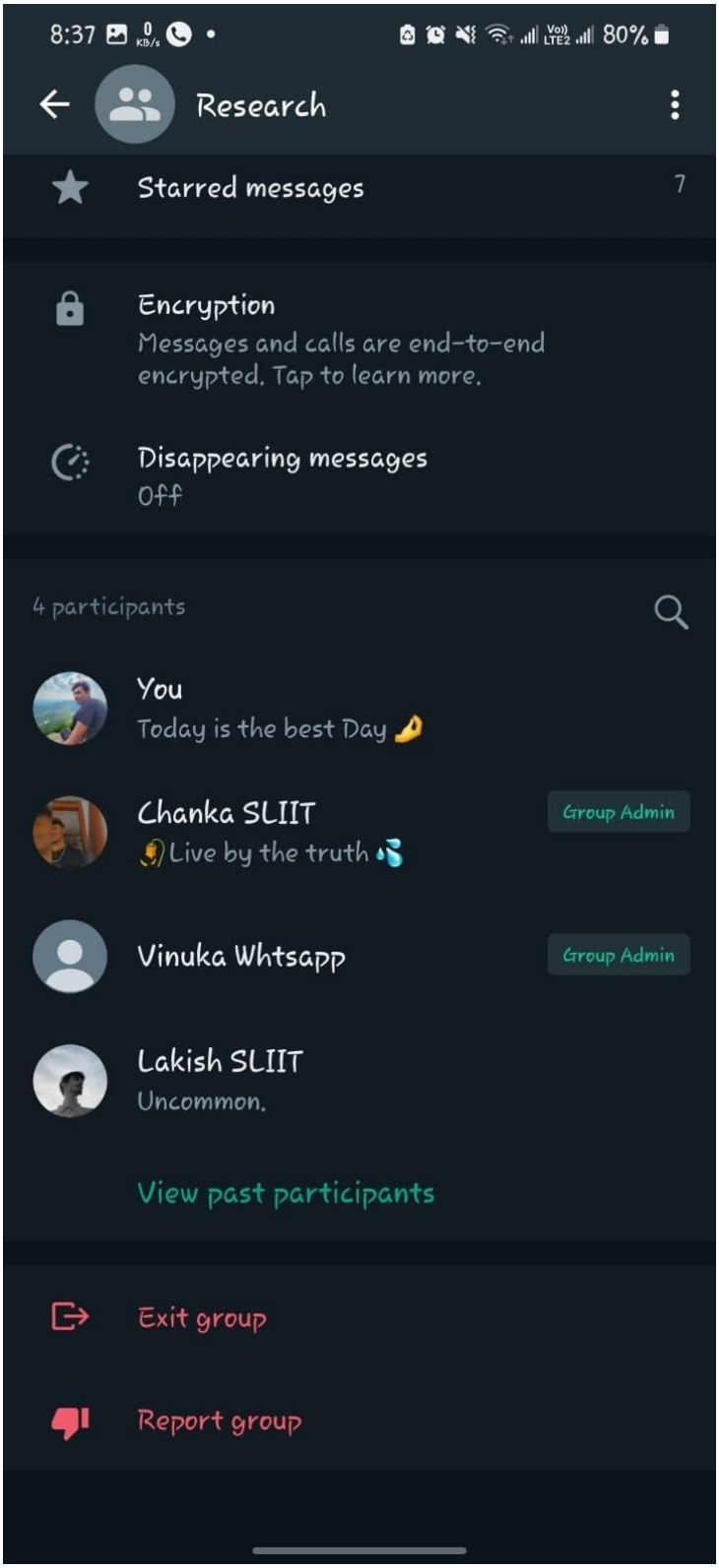


2.3. MS teams files

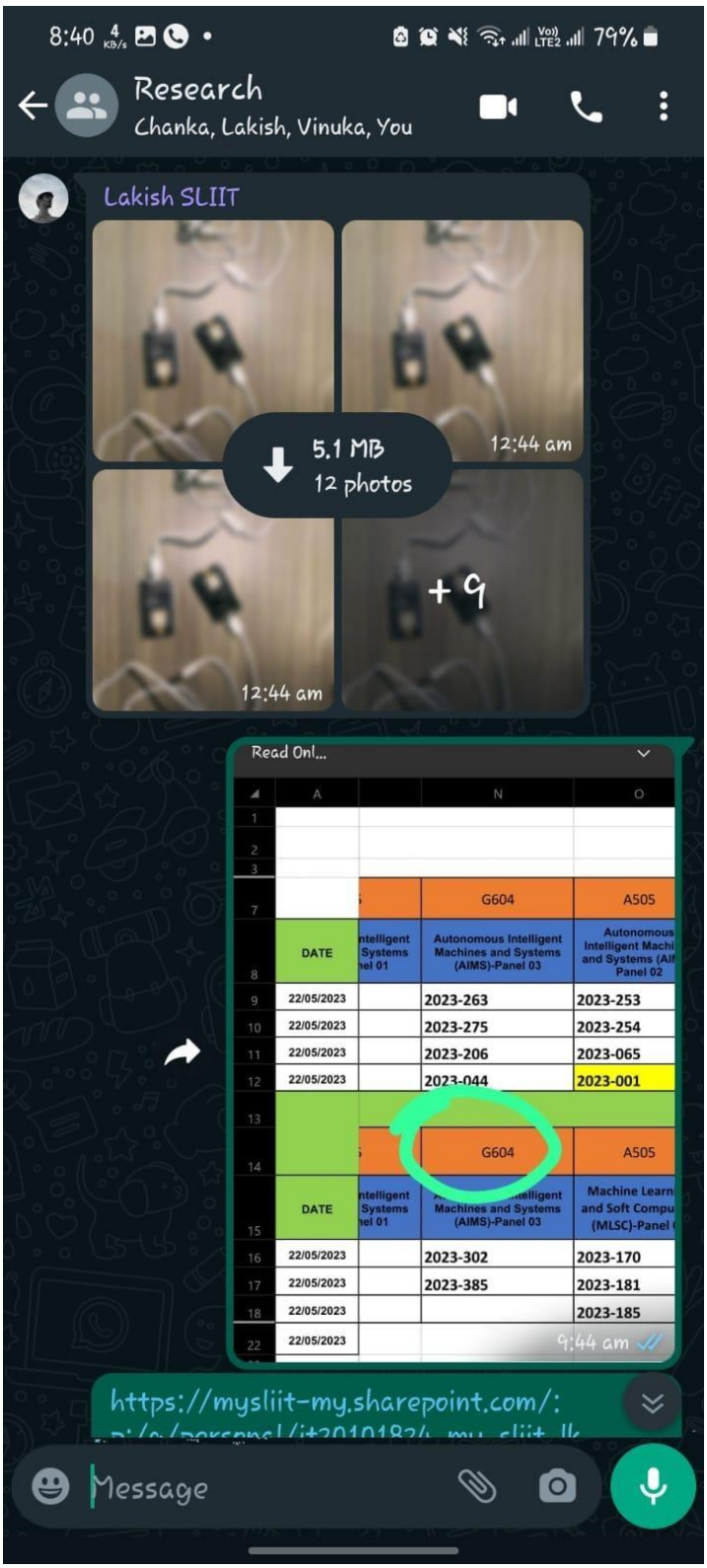


2.4. Create a WhatsApp group with team members**.**

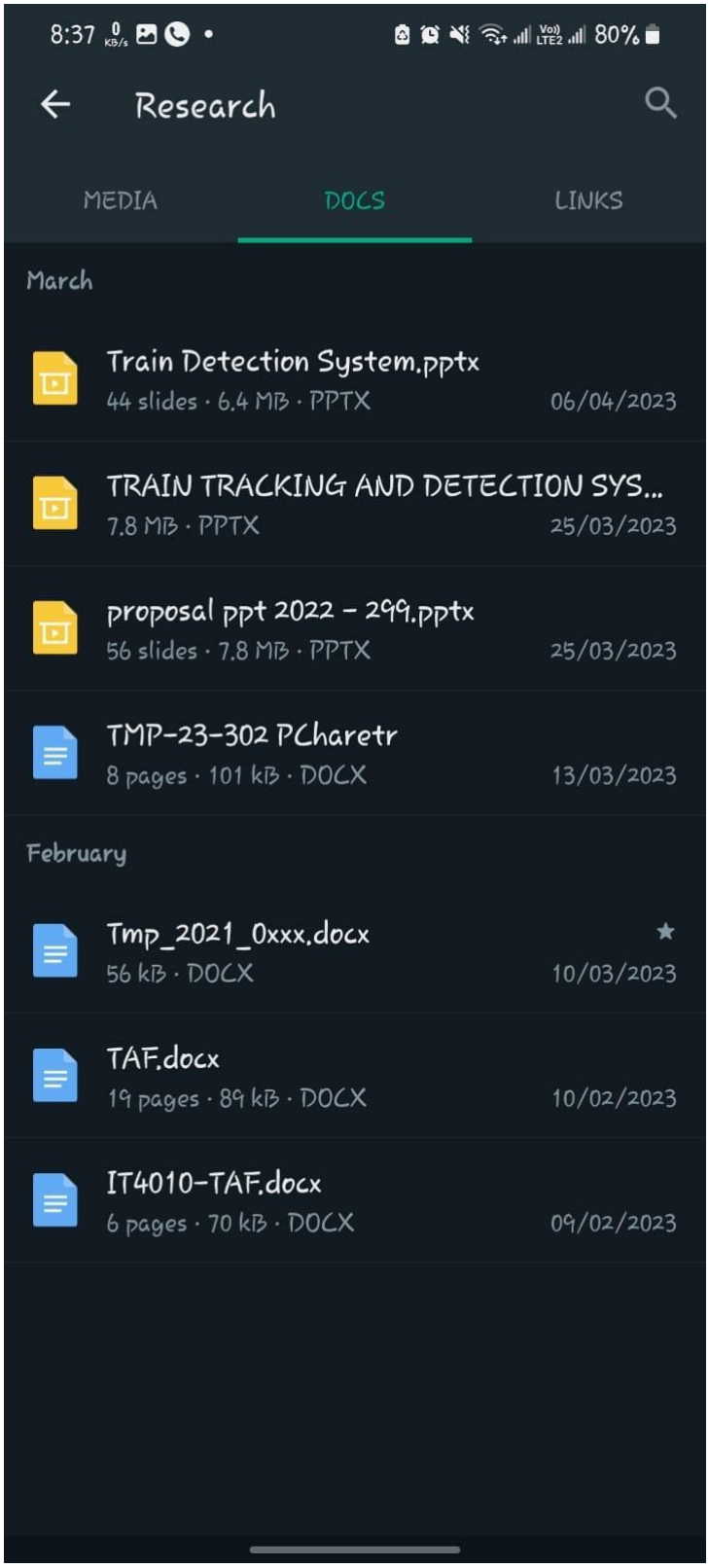




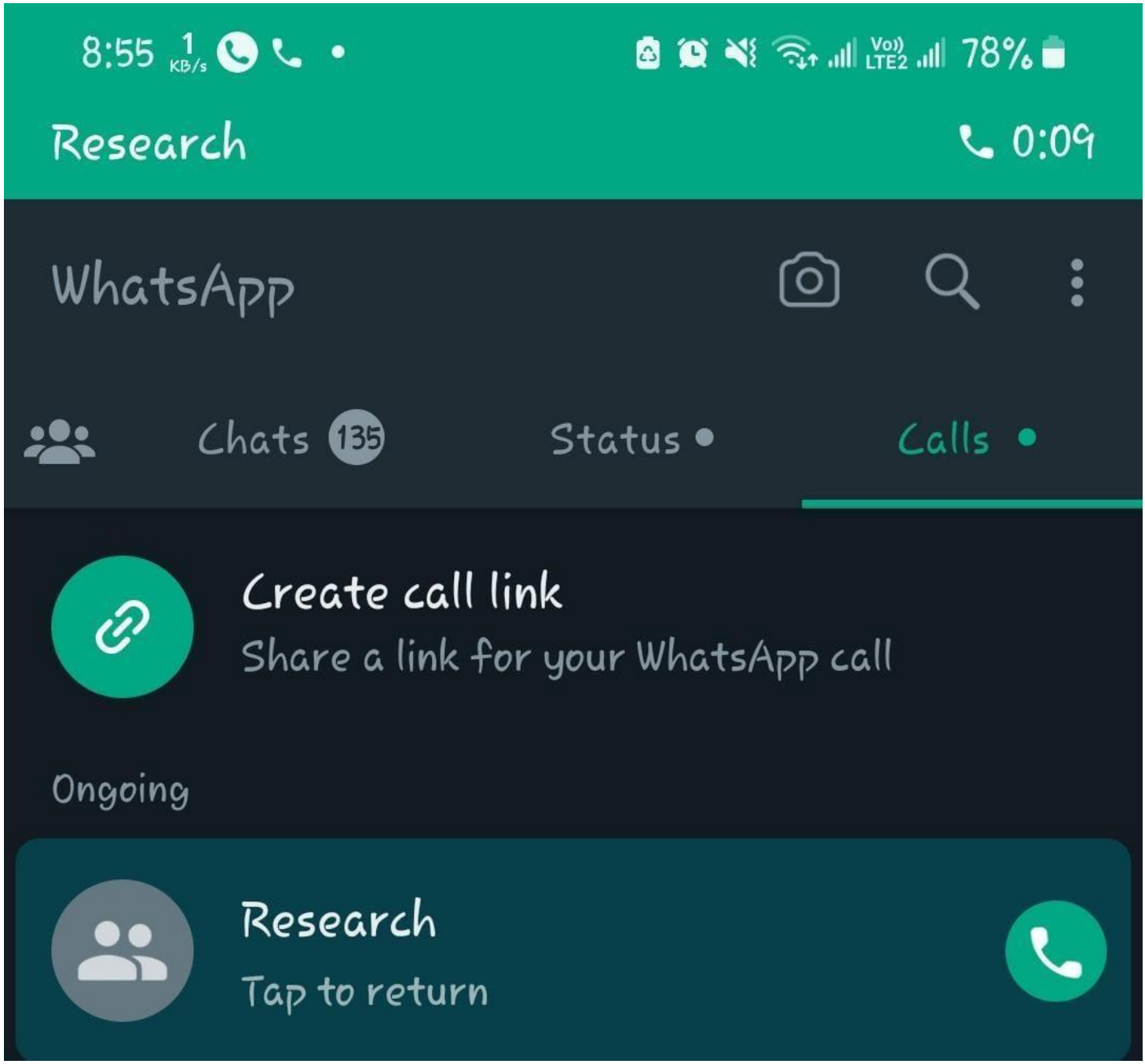
2.5. Chat in WhatsApp group with group members



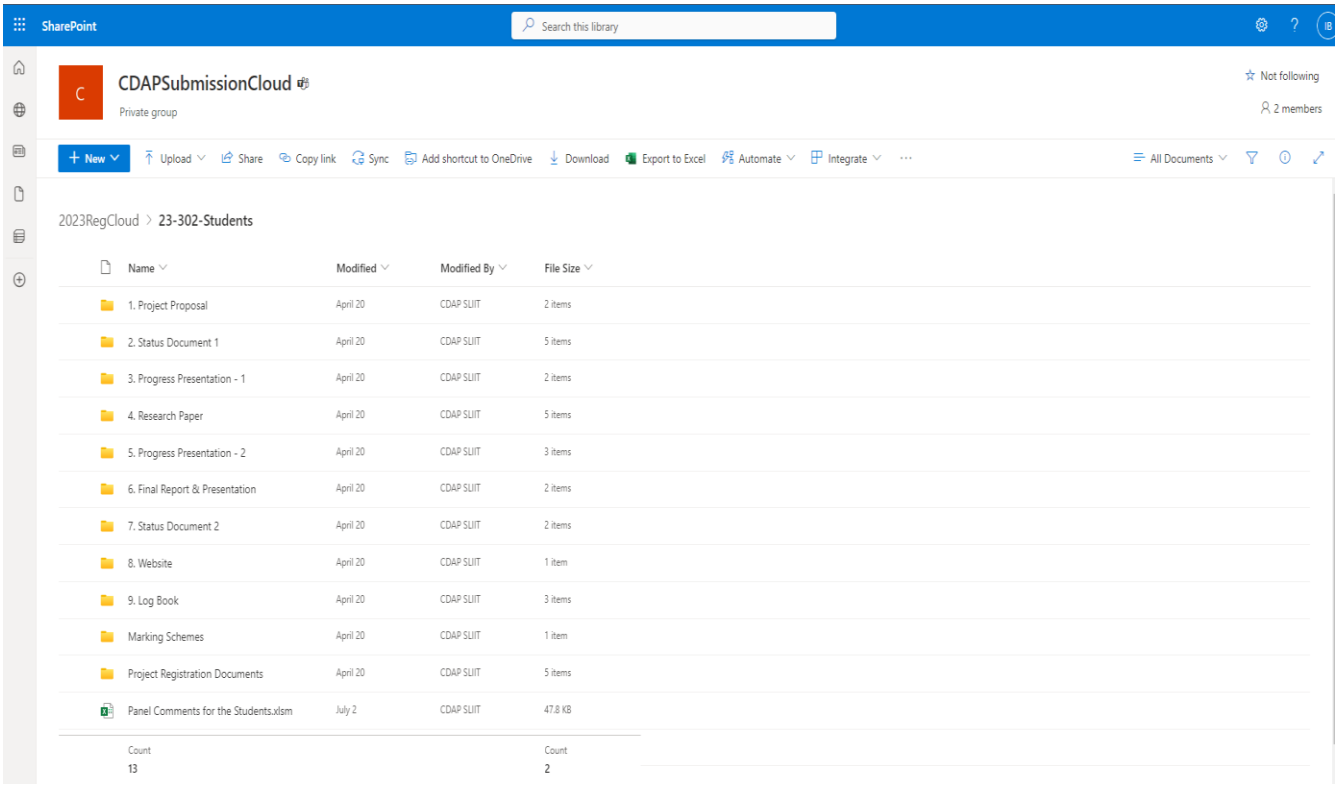
2.6. Files shared in WhatsApp group with group members



2.7. WhatsApp group calls.

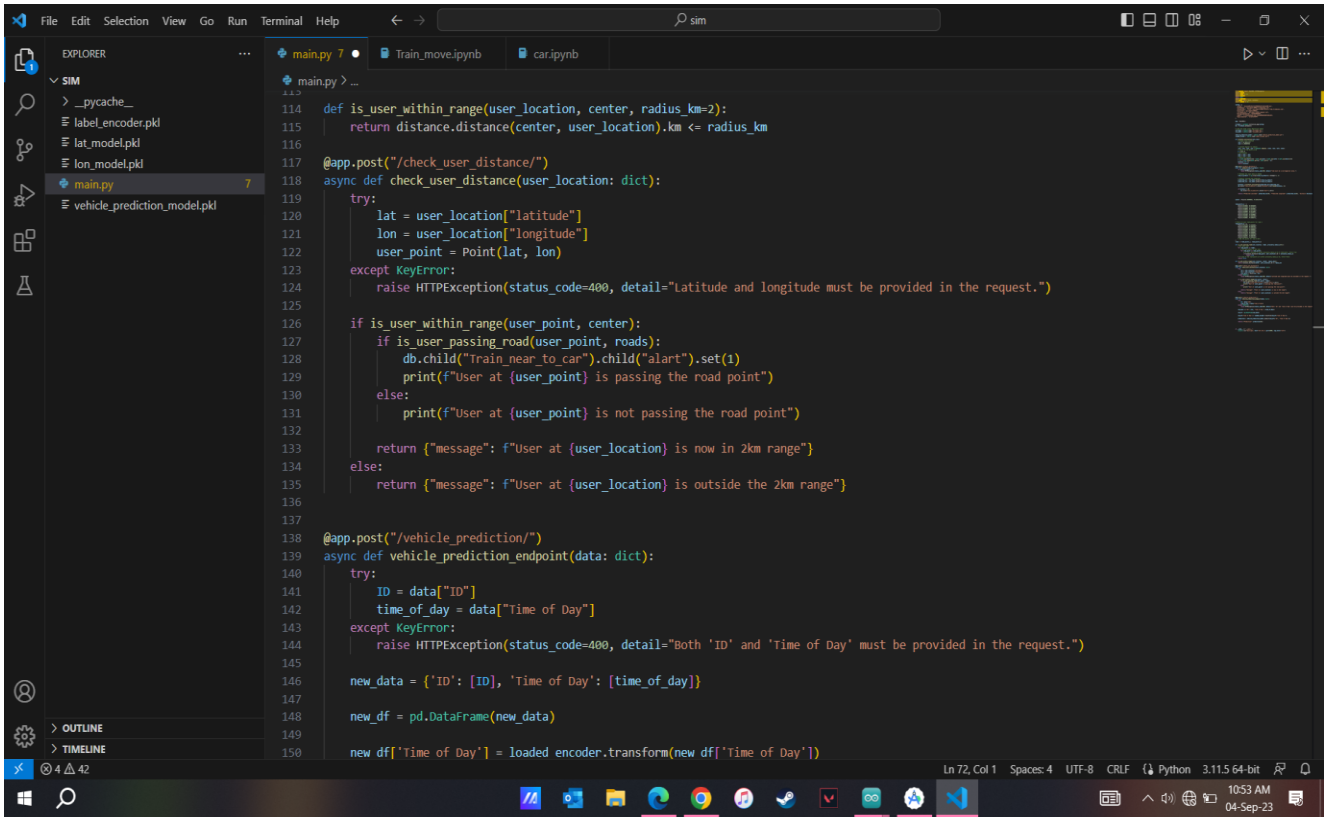


3. Update CDAP Cloud Submissions

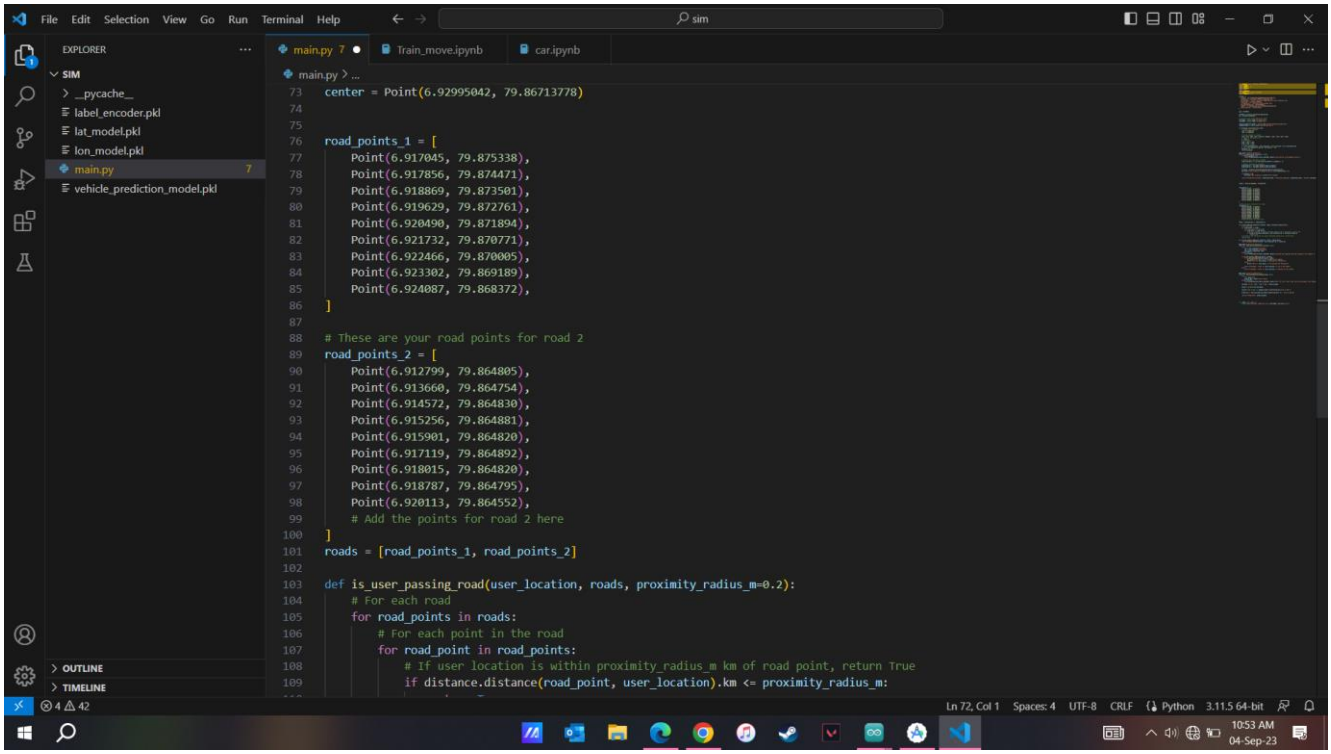


4. Completed 90% of the Research Project

4.1 Main Back-end code

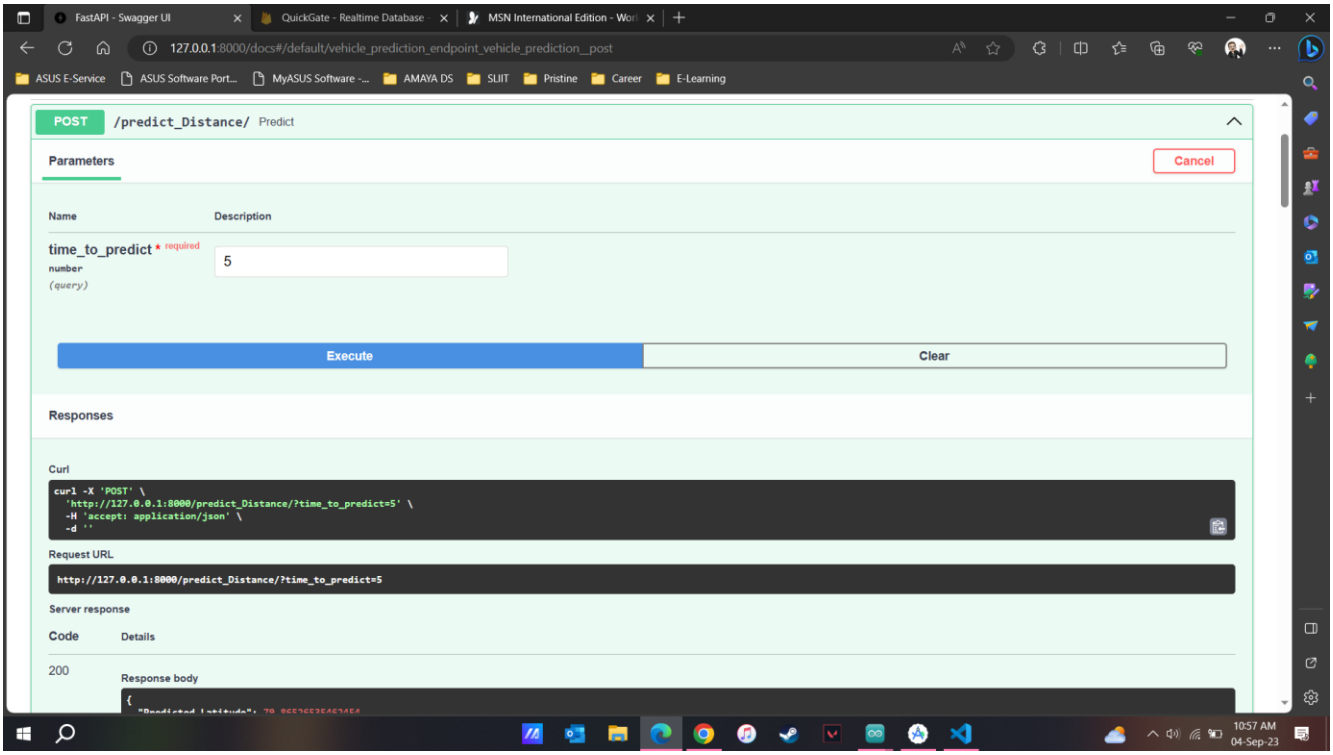


4.2 Defining the roads near the railway crossing



4.3. IoT devices used for the system

4.4. Distance Prediction display using API



4.5. Data retrieving to the Firebase Database