Train Detection & Alert System

Status Document – 01

B.Sc. (Hons) Degree in Information Technology

Specialized Data Science

Department of Information Technology

Group: 23-302

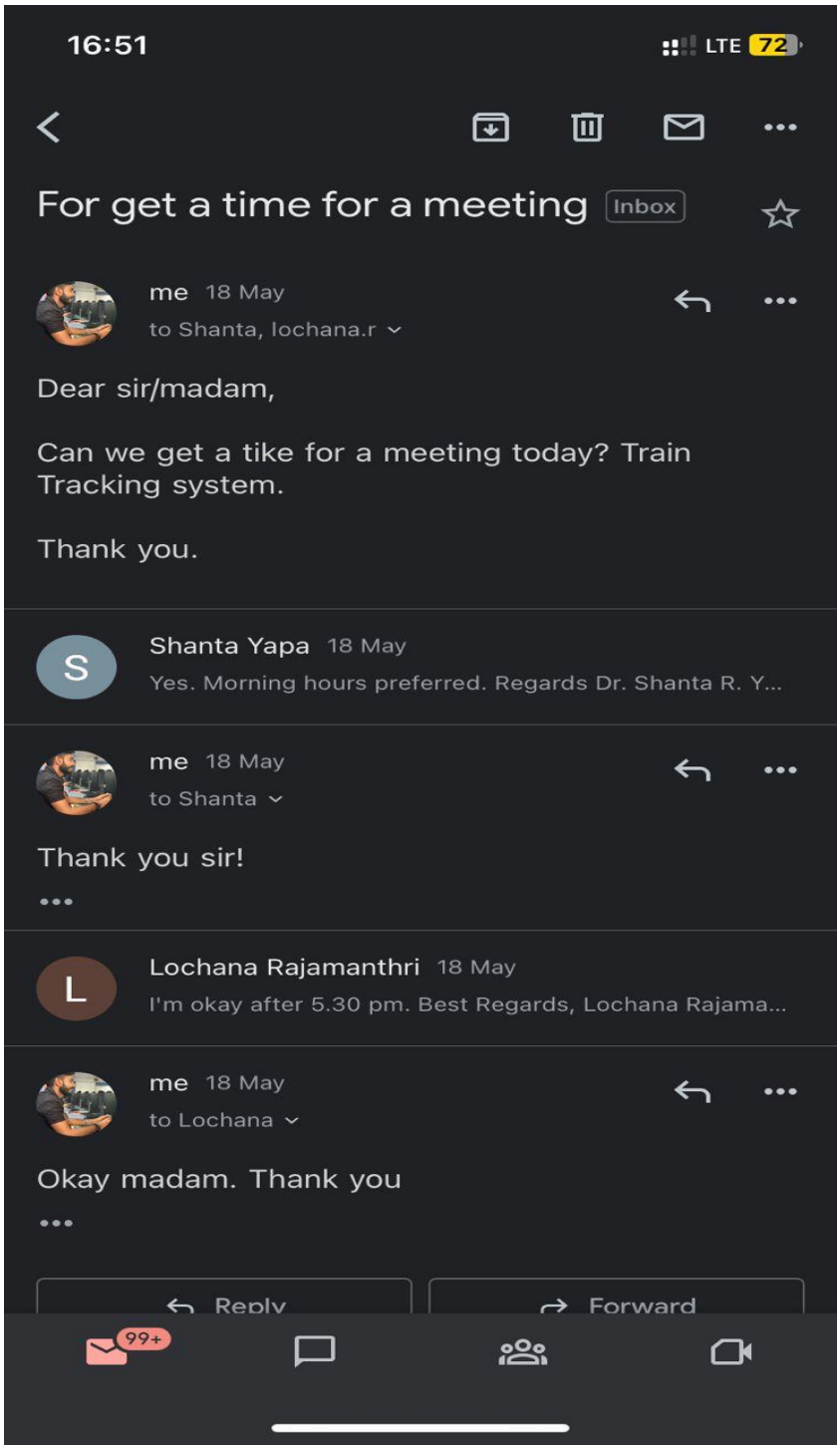
Biyanwila B.D.V.J – IT20212490

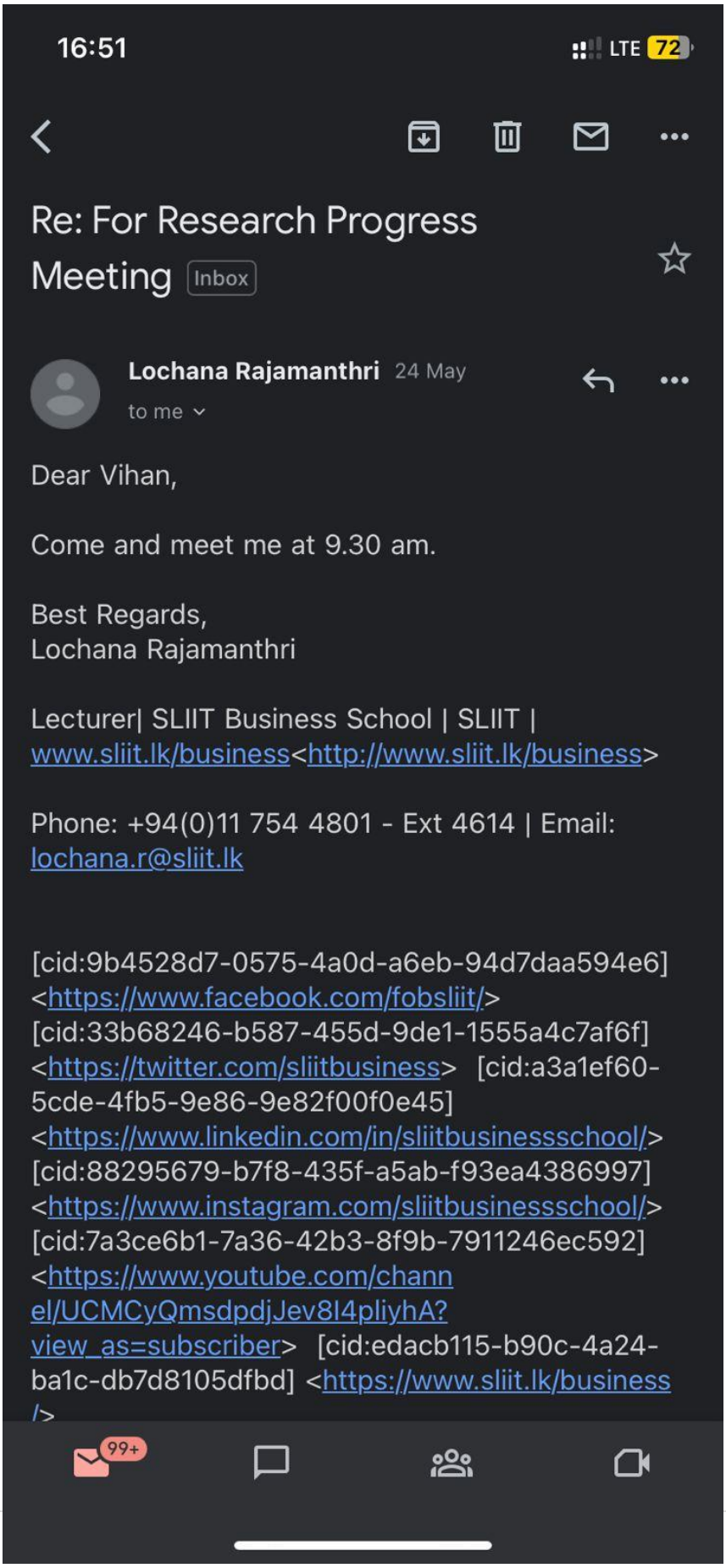
Submittion Date :26/05/2023

Table of 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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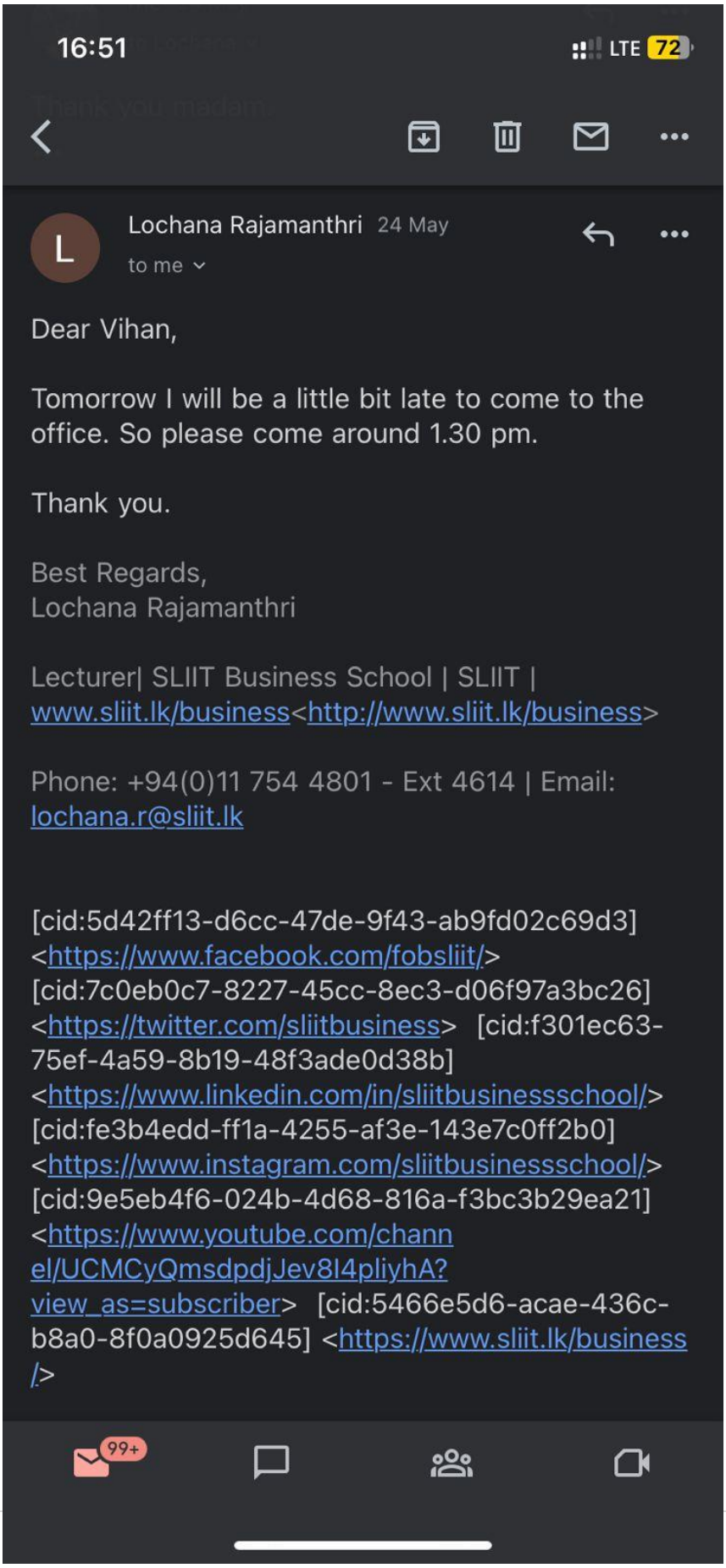
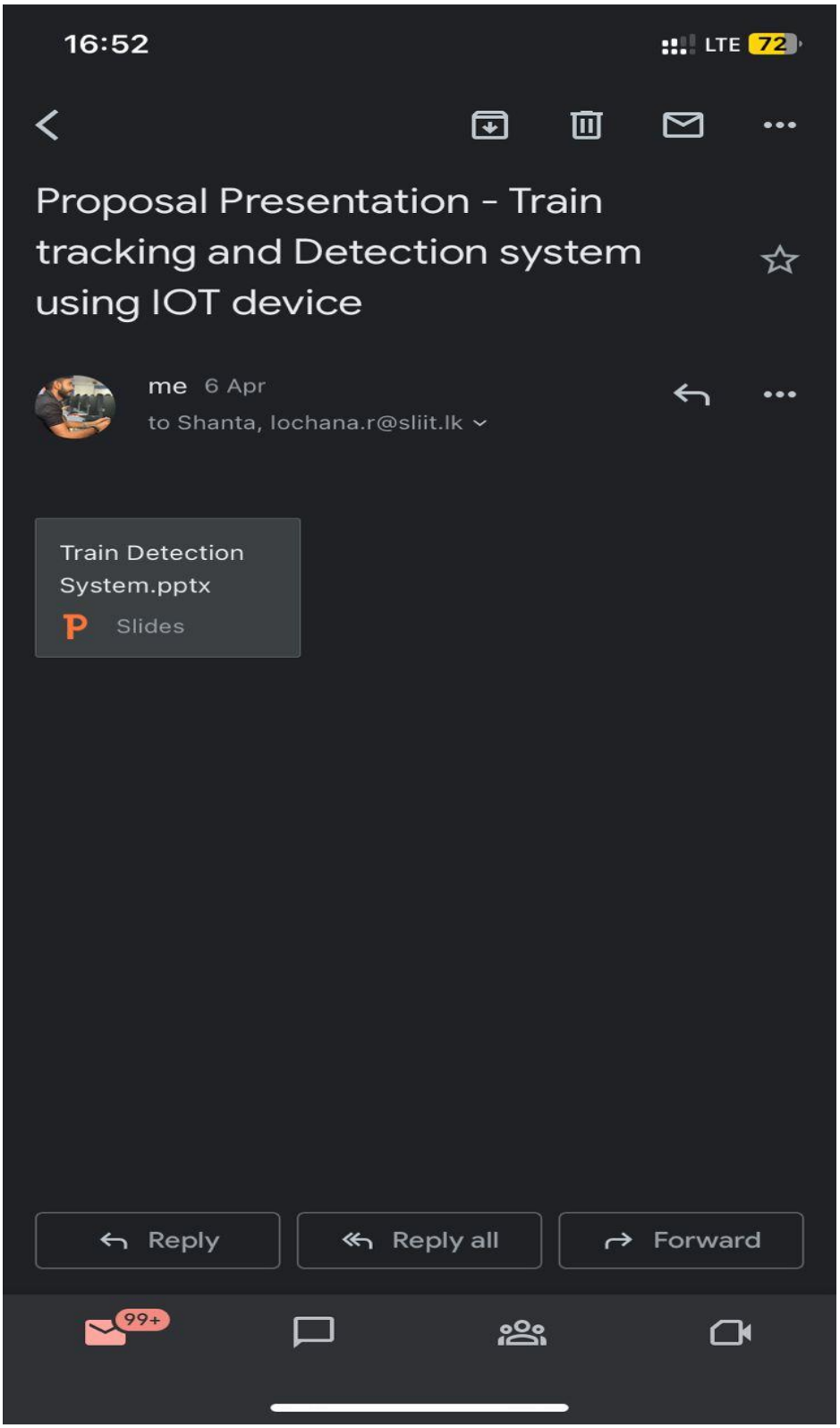
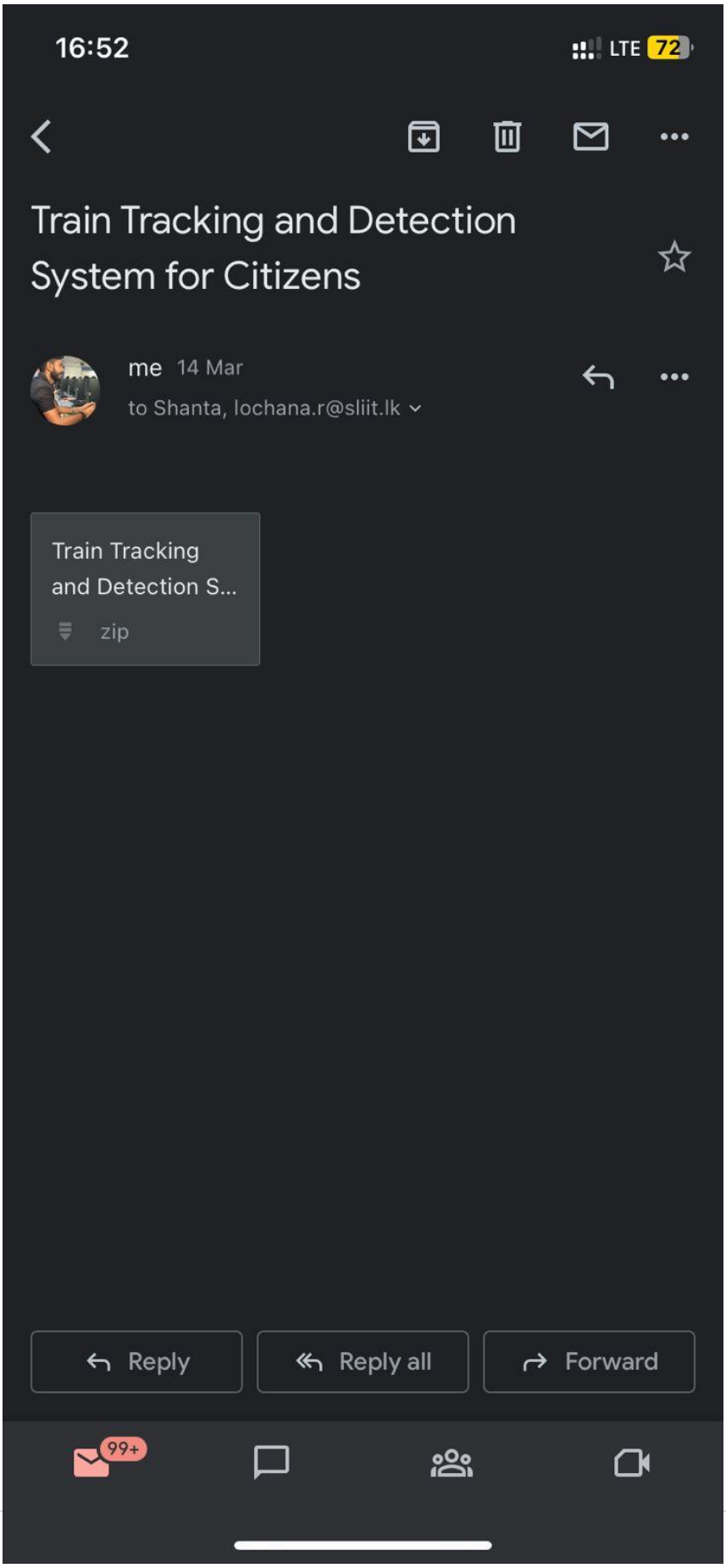
99+

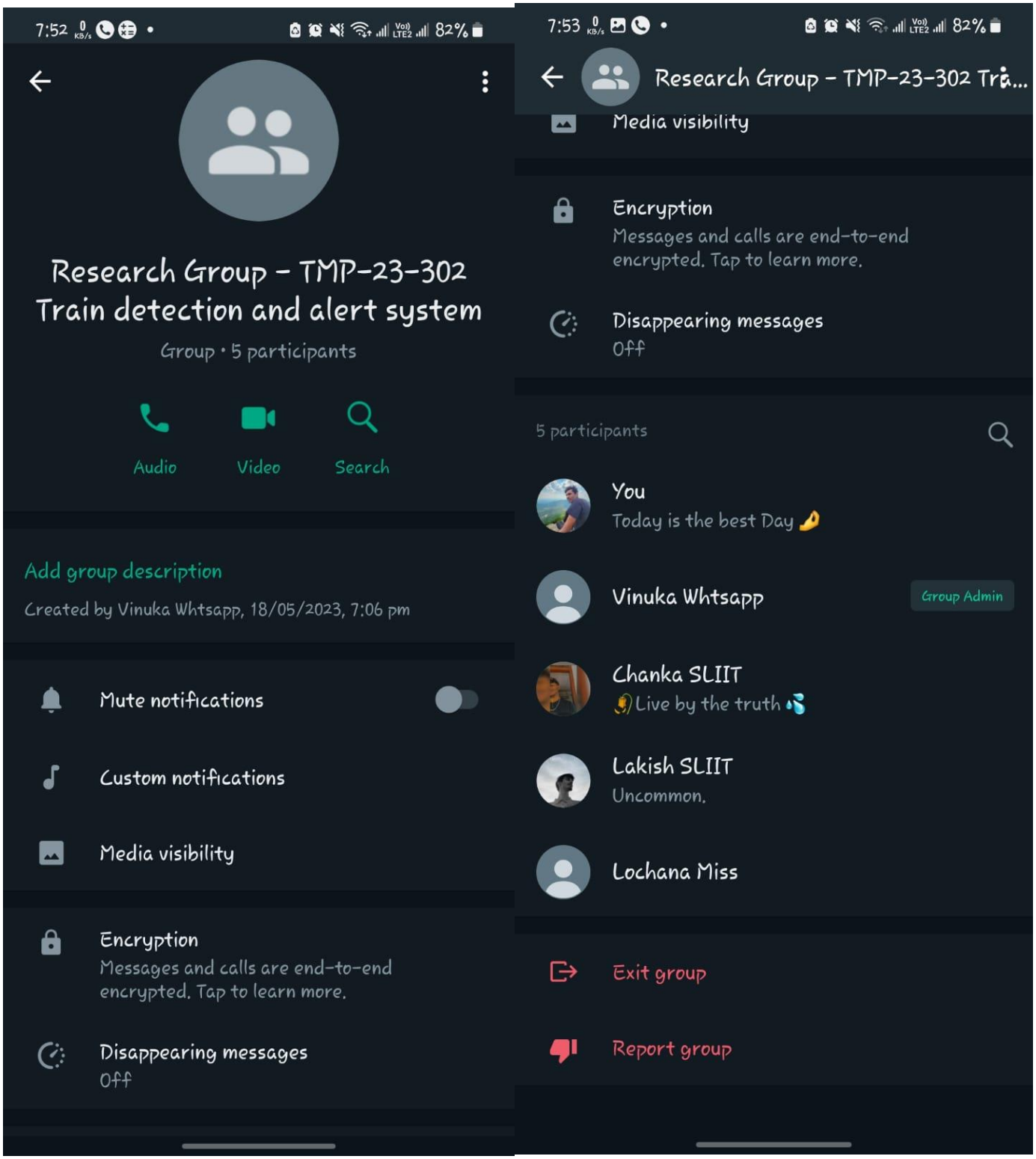

16:51
LTE 72
Lochana Rajamanthri 24 May
to me
Dear Vihan,
Tomorrow I will be a little bit late to come to the office. So please come around 1.30 pm.
Thank you.
Best Regards,
Lochana Rajamanthri
Lecturer| SLIIT Business School | SLIIT | www.sliit.lk/business<http://www.sliit.lk/business>
Phone: +94(0)11 754 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+

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

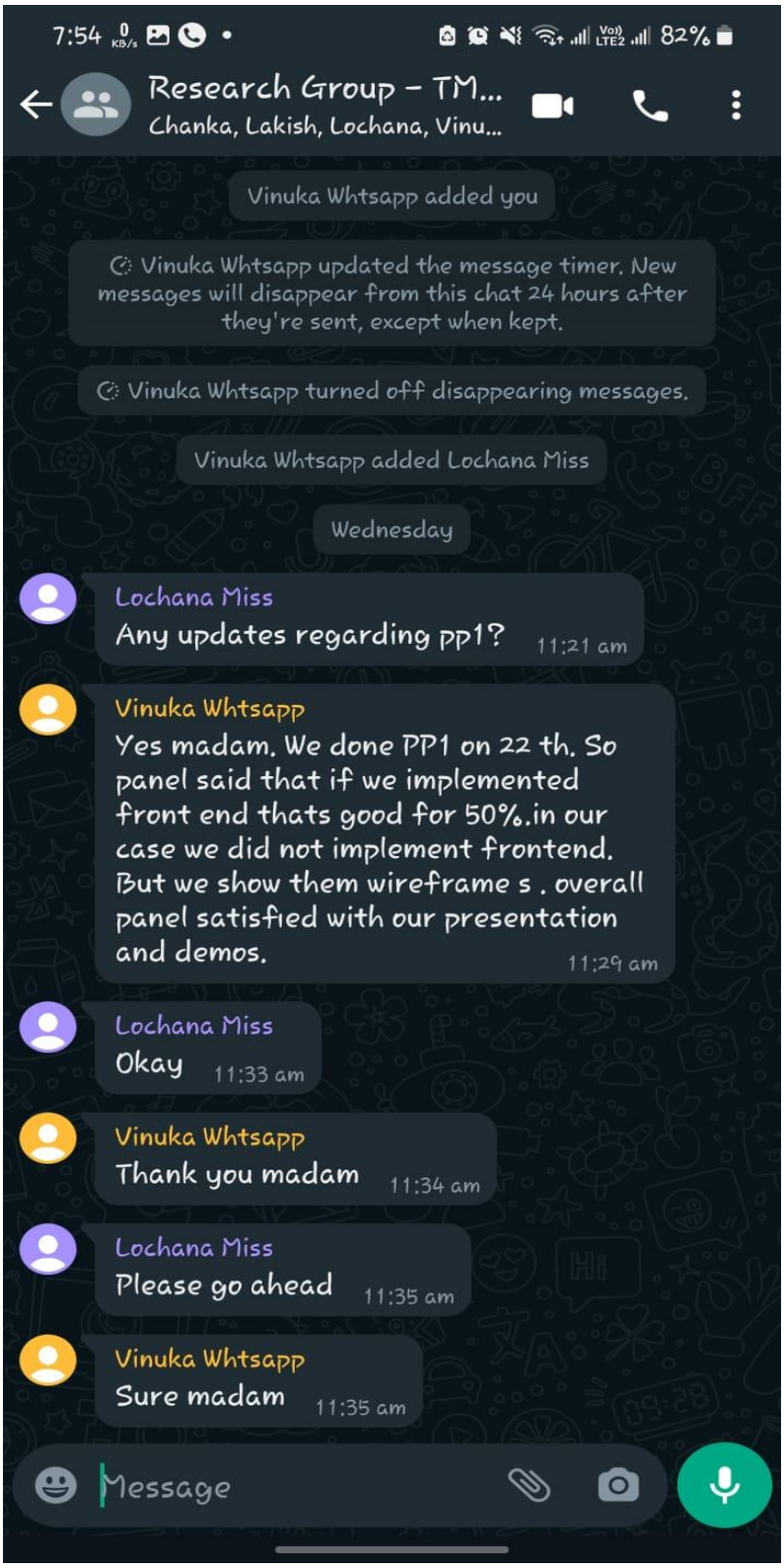



16:52
LTE 72
Train Tracking and Detection System for Citizens
me 14 Mar
to Shanta, lochana.r@sliit.lk
Train Tracking and Detection S...
zip
Reply
Reply all
Forward
99+

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

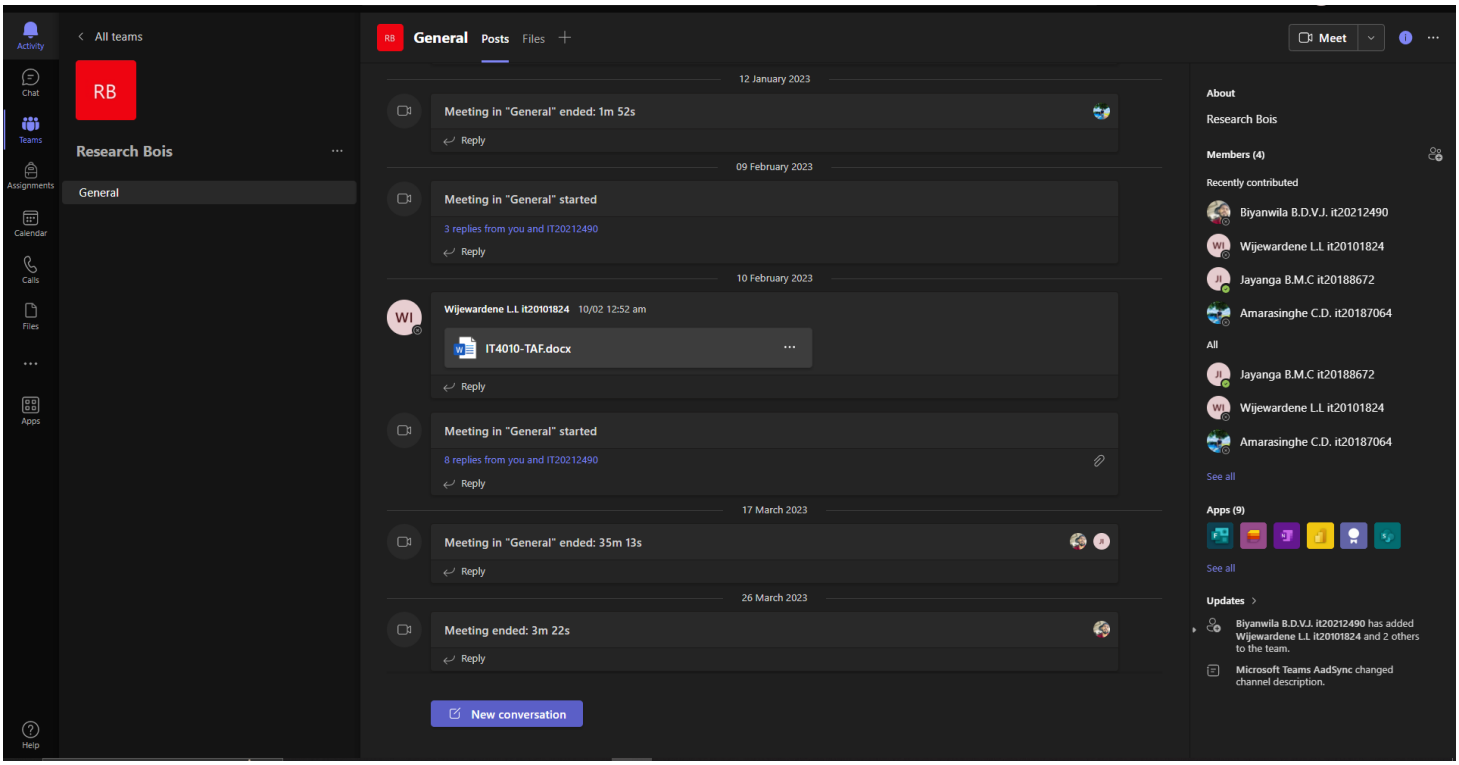


1.4. Share ideas with supervisor through Whatsapp chats.

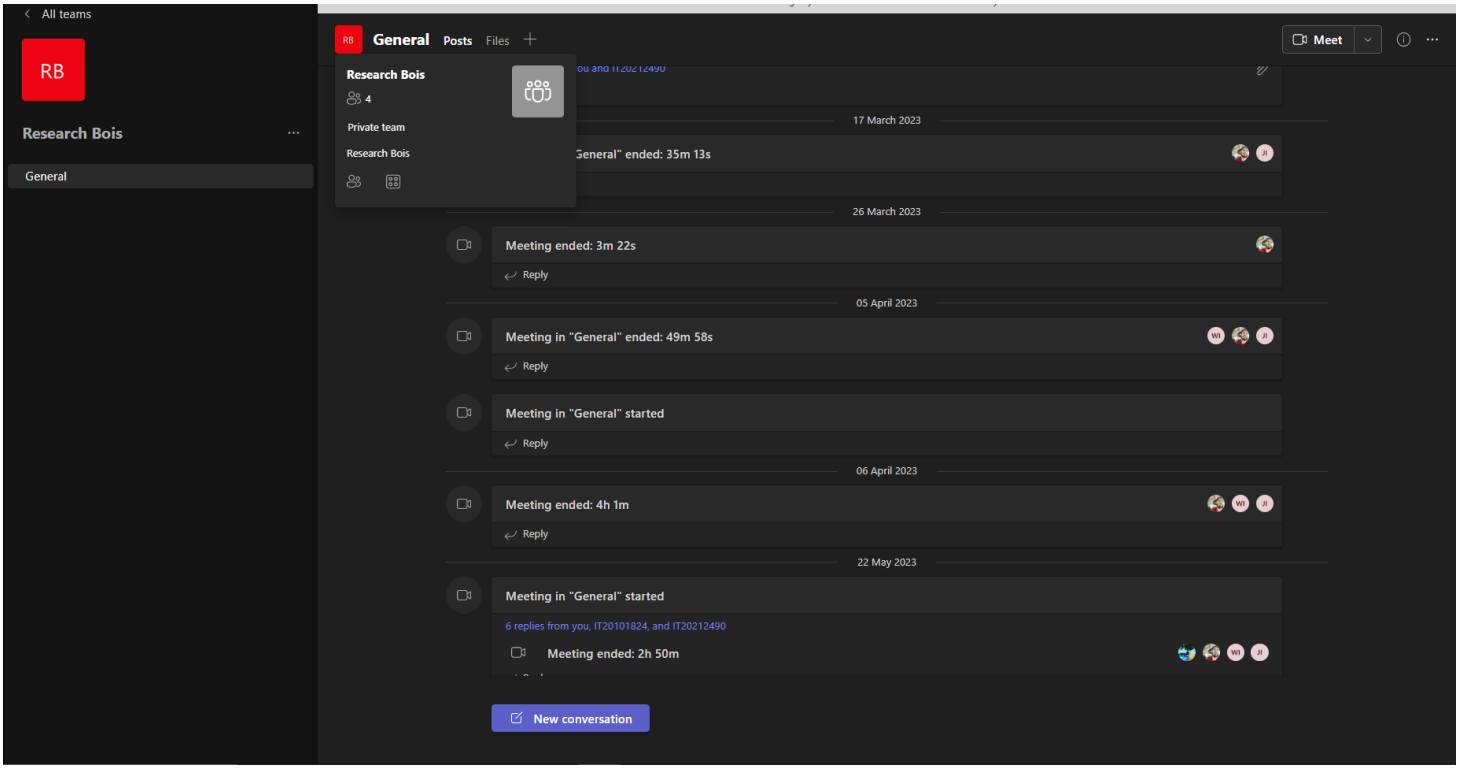


2. Research Group

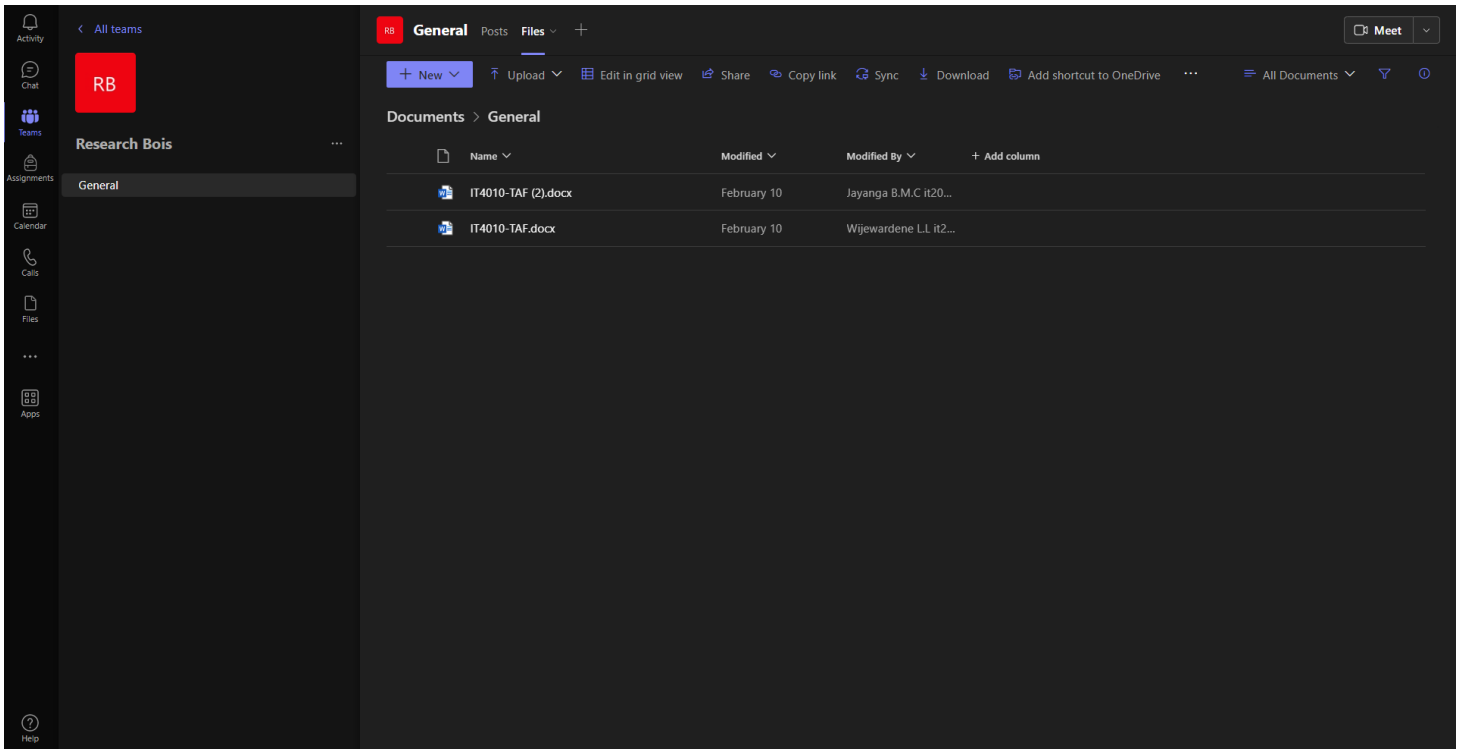
2.1. Create a MS team group with team members.



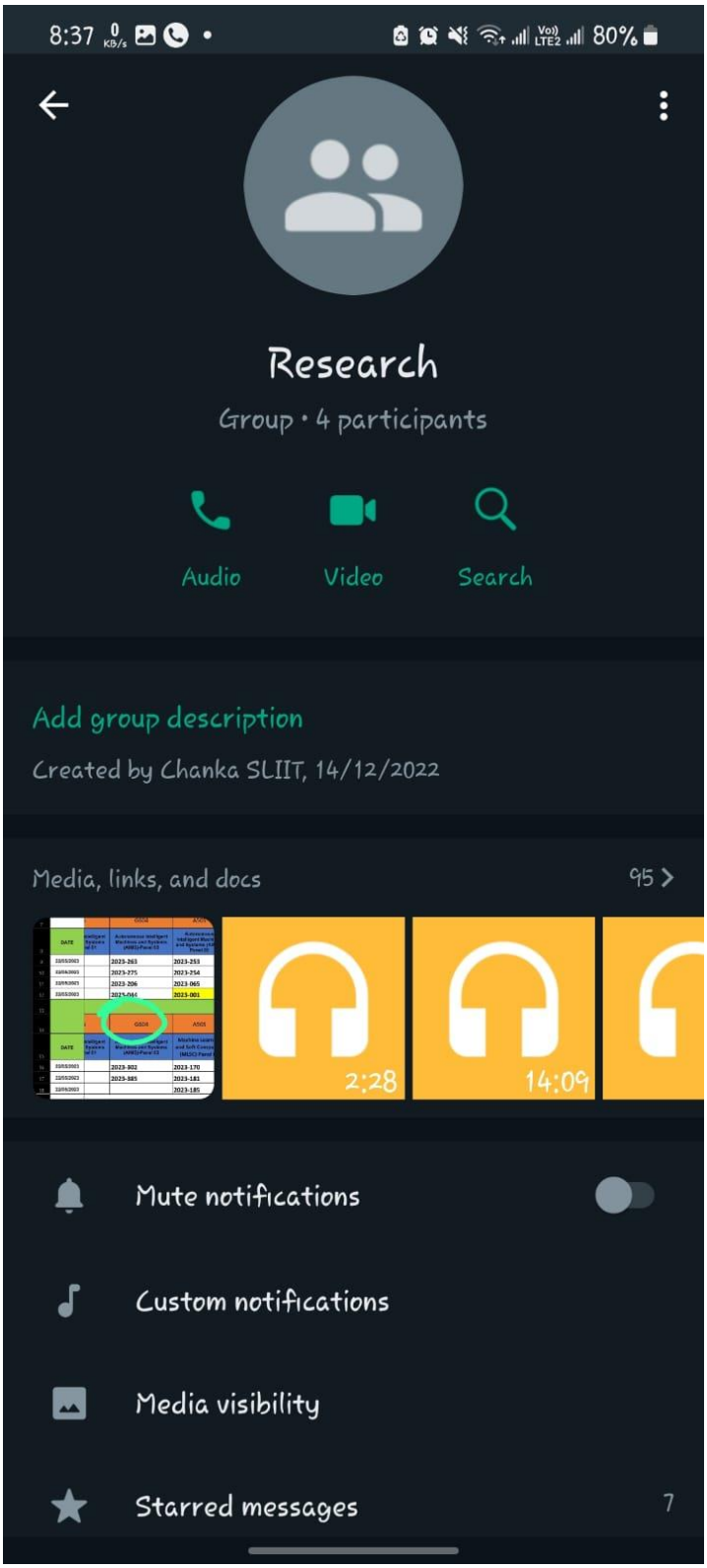
2.2. MS teams meetings with members.

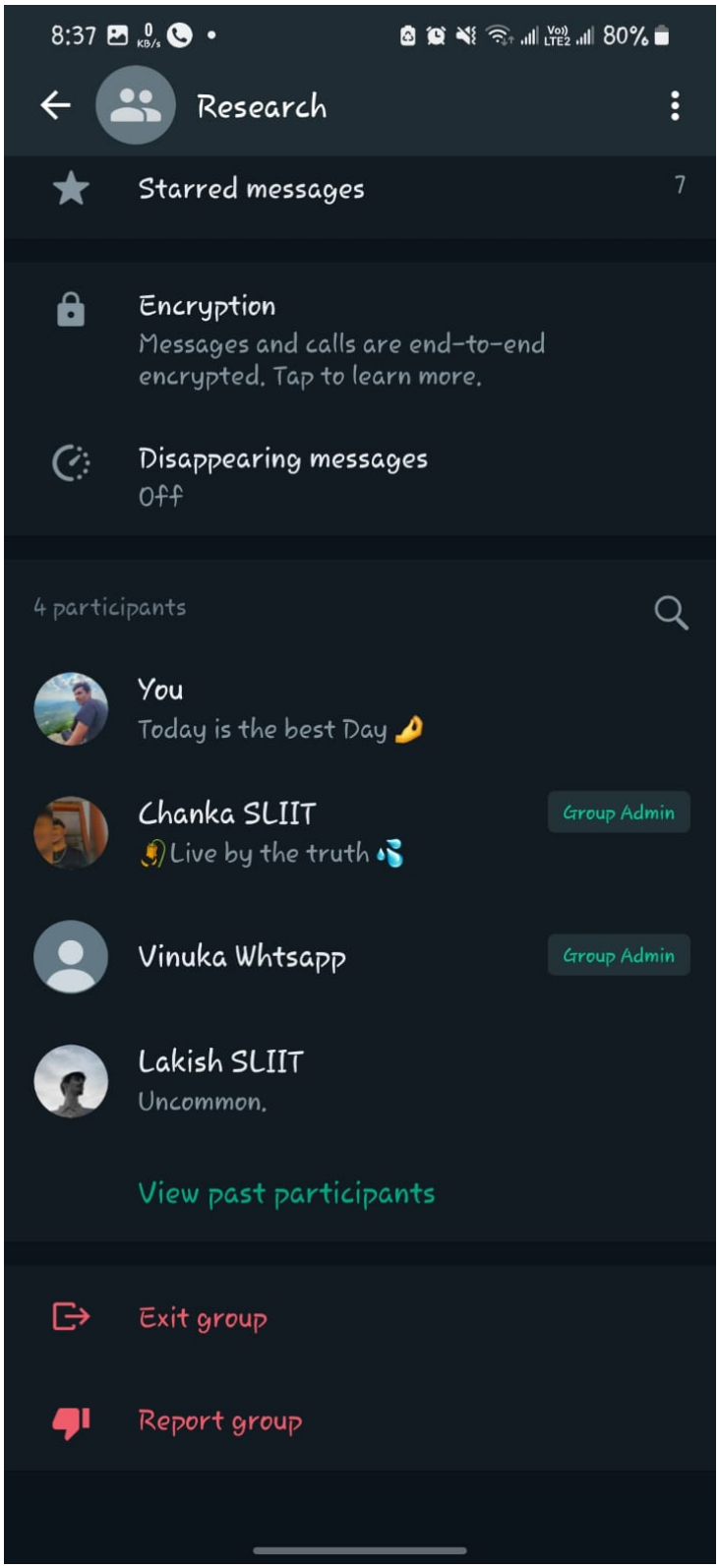


2.3. MS teams files

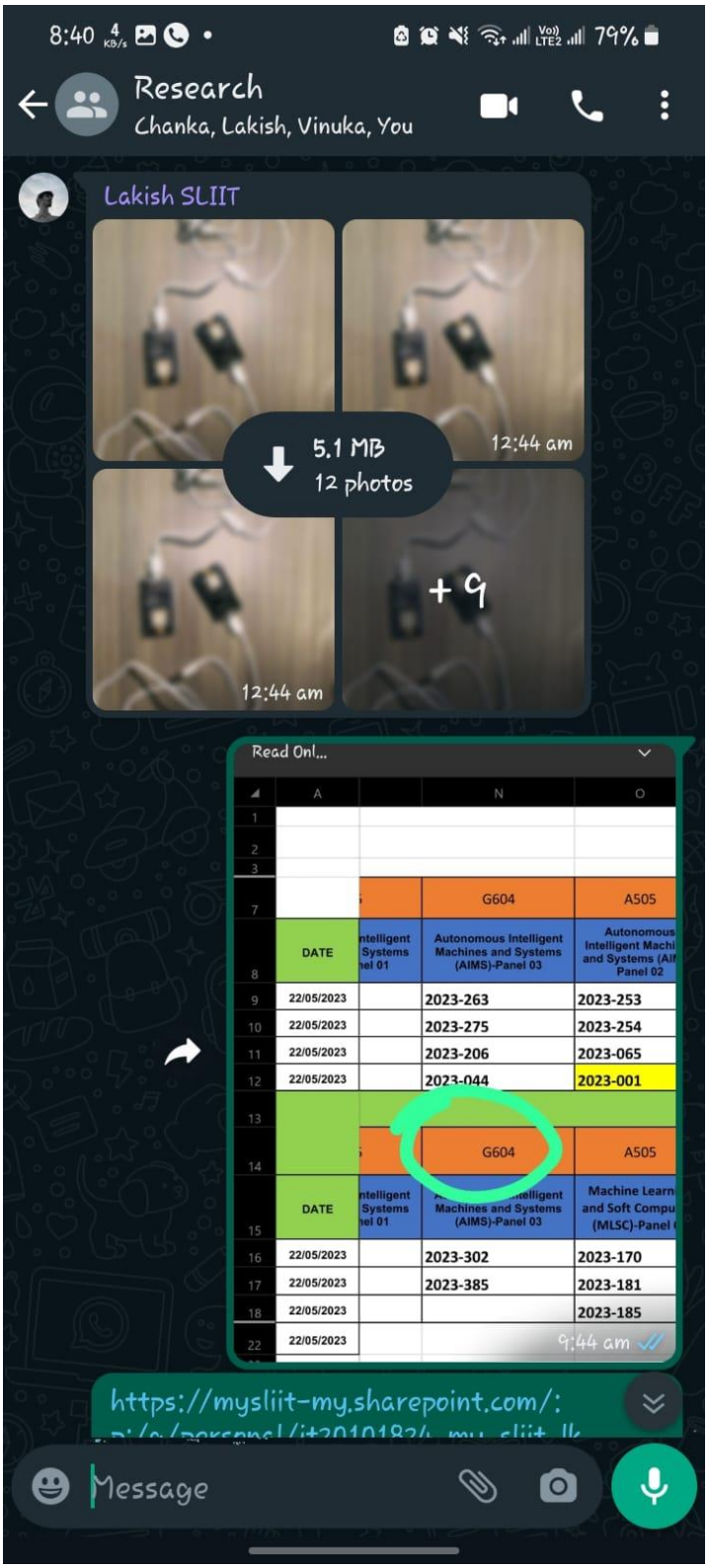


2.4. Create a WhatsApp group with team members.

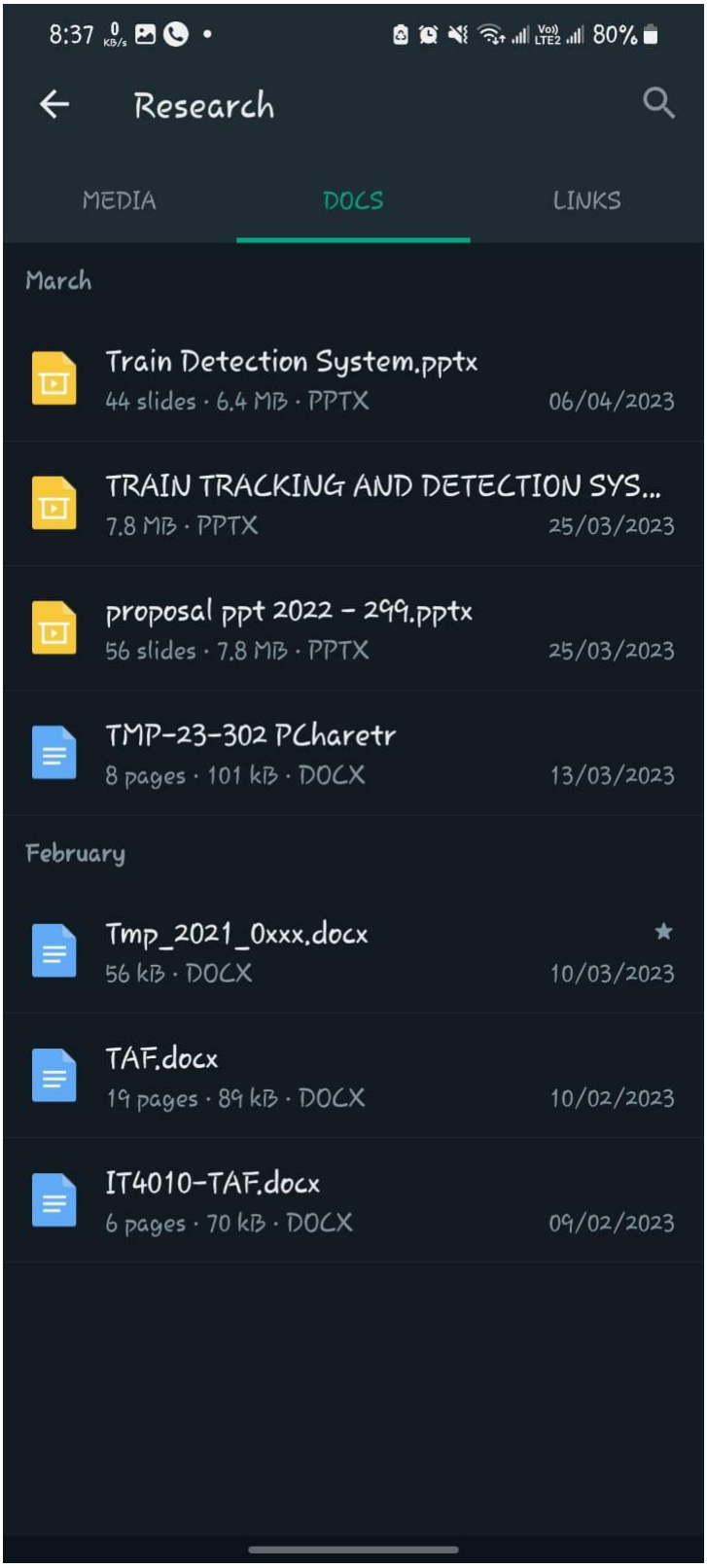




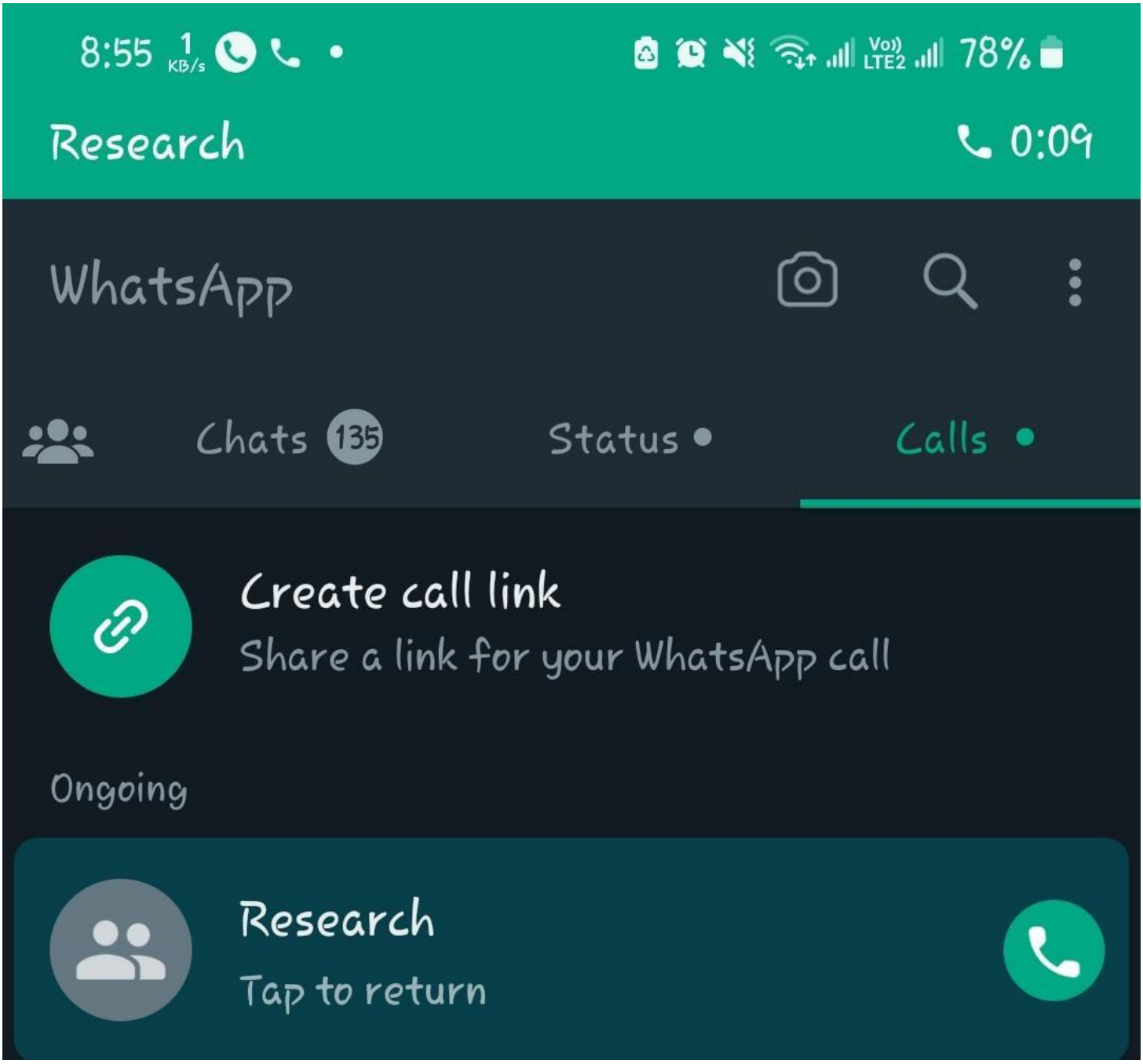
2.5. Chat in WhatsApp group with group members



2.6. Files shared in WhatsApp group with group members

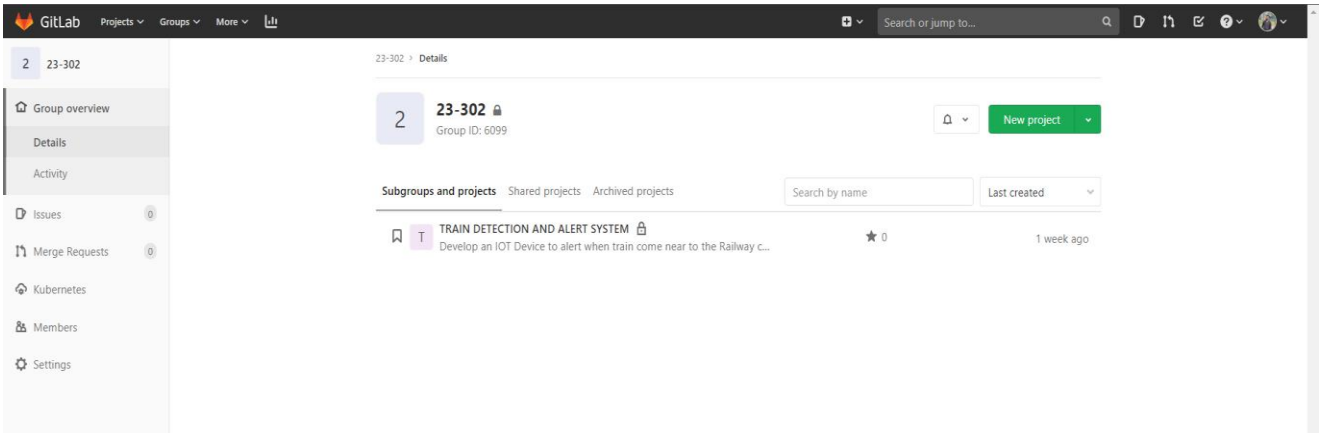


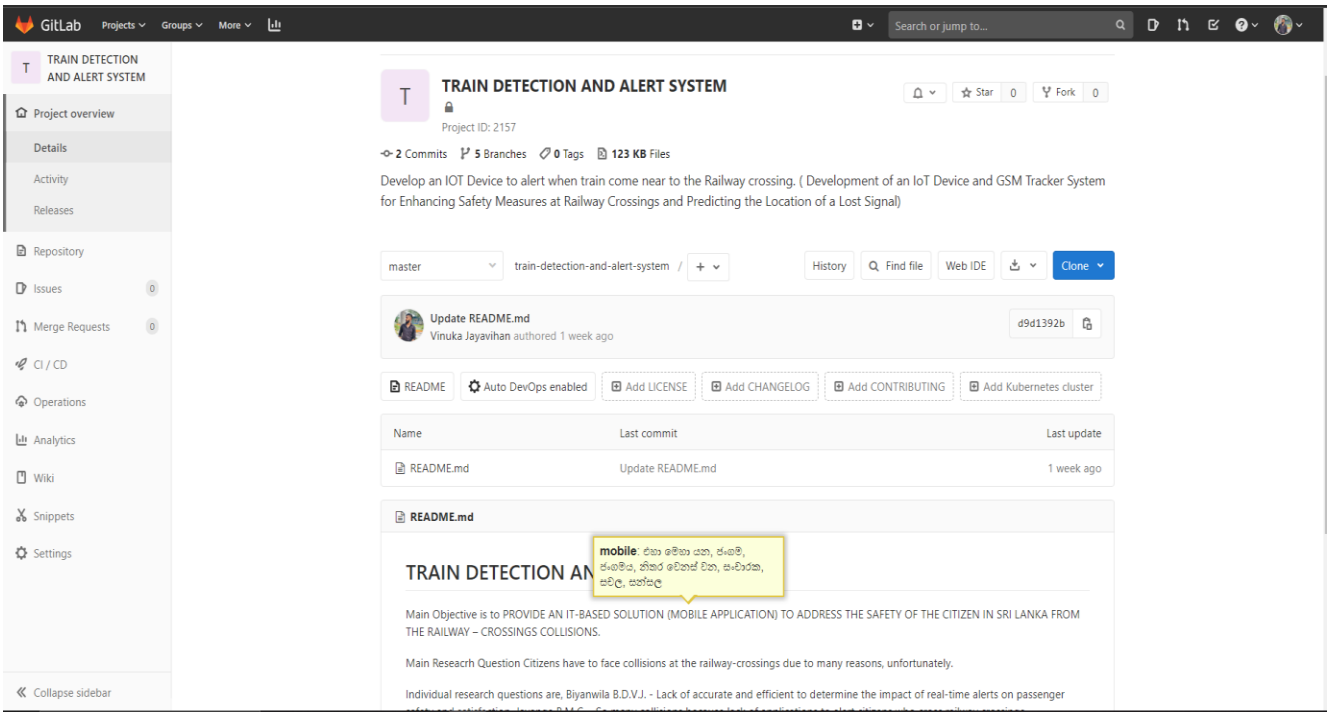
2.7. WhatsApp group calls.

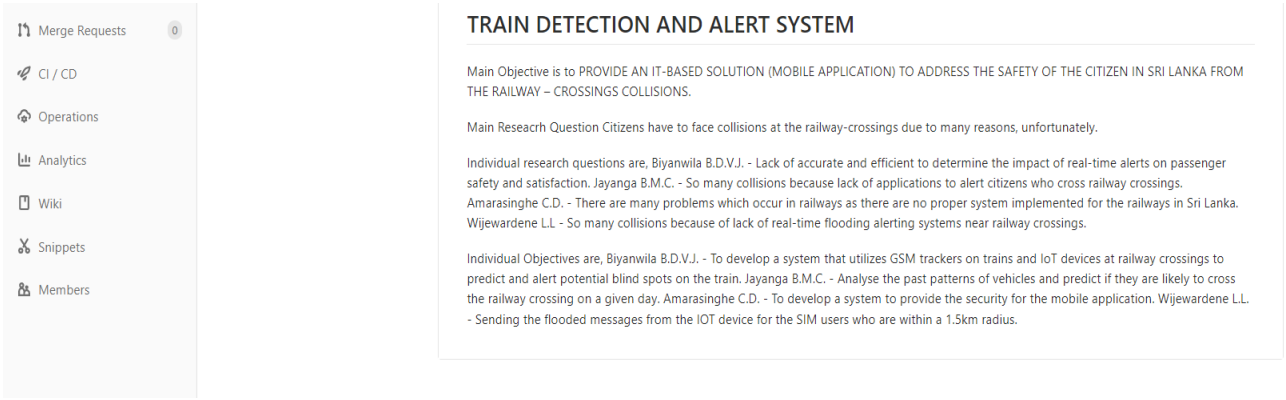


3. Screenshots of GitLab

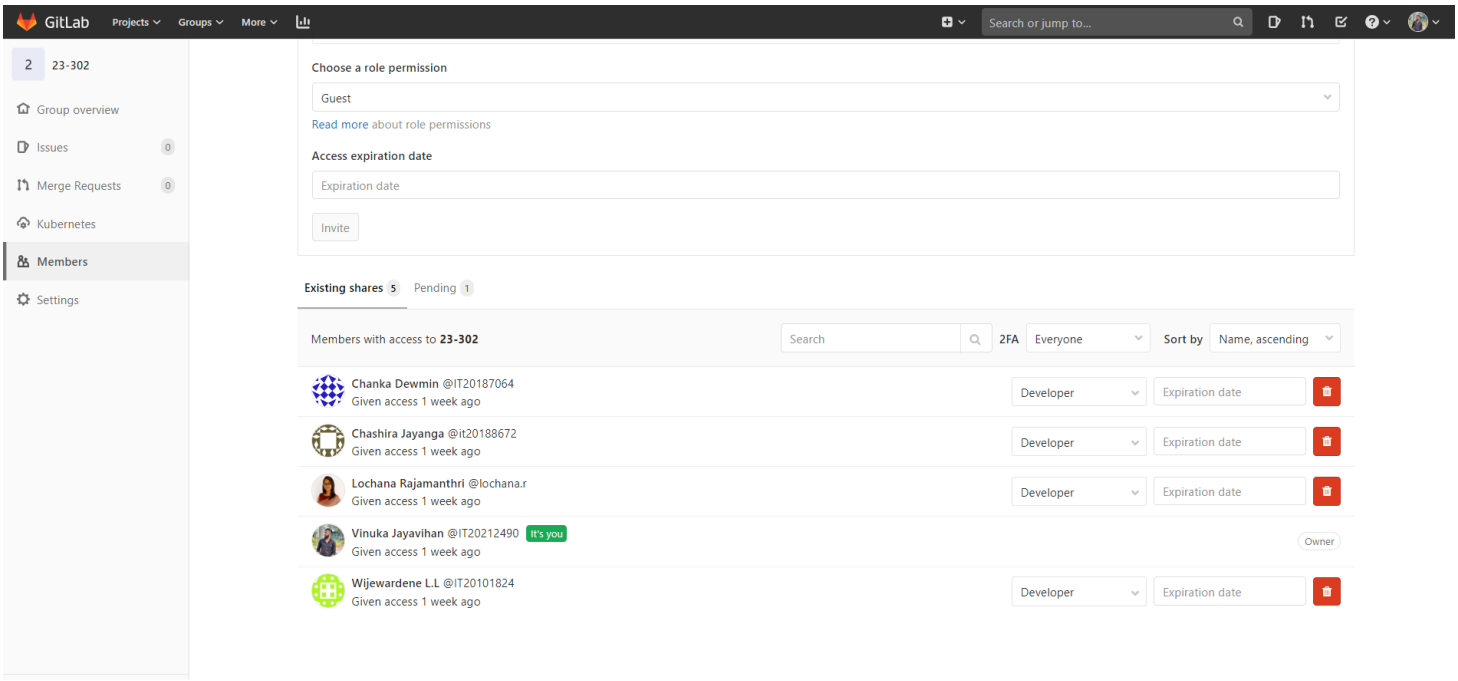
3.1. Group



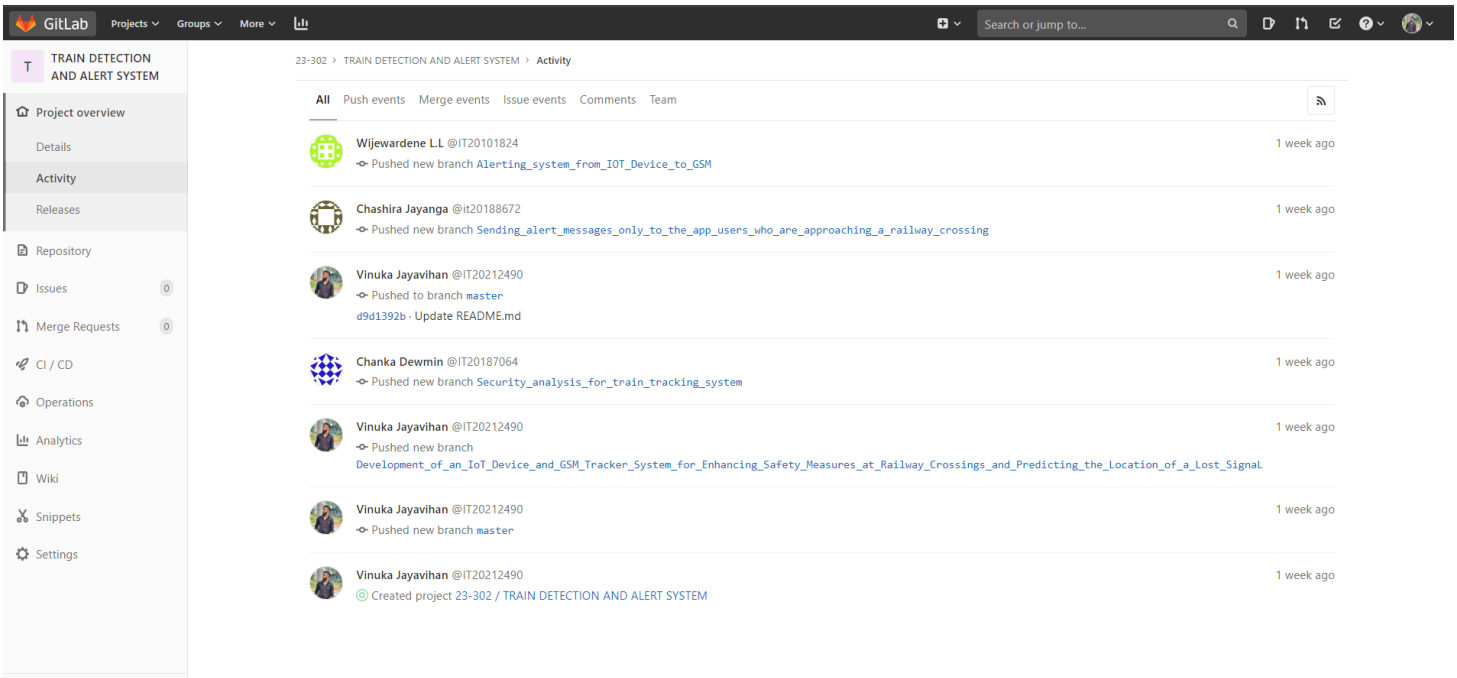




3.2. Members



3.3. Activities

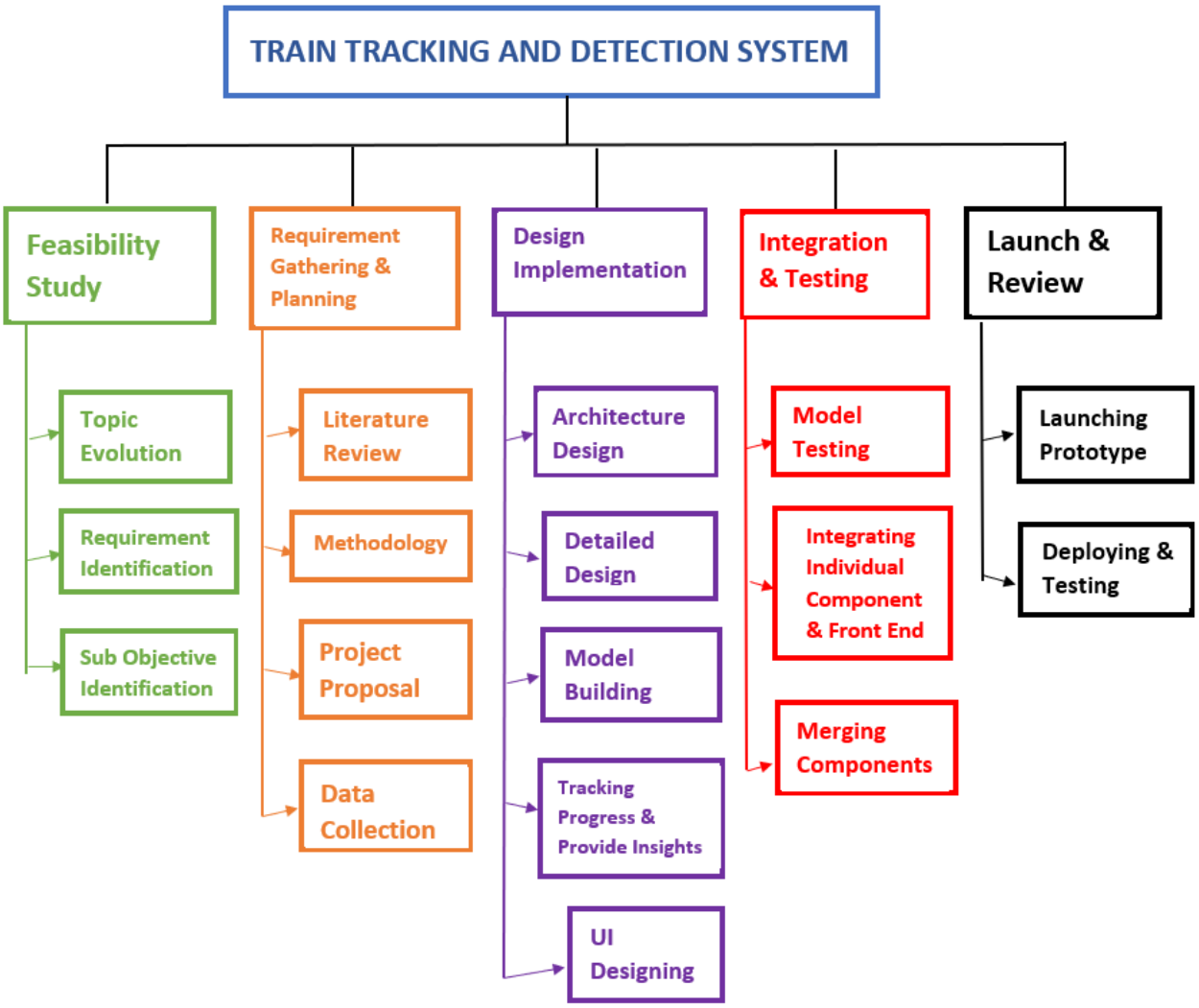


4. Diagram

4.1. Gannt Chart

No	Task List	December	January	February	March	April	May	June	July	August	September	October	November
1	Initial Stage												
	Research Topic Selection												
	Requirement Gathering												
	Study on Research Area												
	Topic Evaluation form submission												
	Topic Evaluation (Project pre-assessments) resubmission												
	Topic Approved												
	Project Charter												
2	Proposal Stage												
	Proposal Draft Submission												
	proposal Presentation												
3	Implementation Stage 1												
	System Design and Planning												
	Implementation of functions												
	Integration and testing Level 1												
	Progress presentation -50%												
	Prepare Research Paper												
4	Implementation Stage 2												
	Implementation of functions												
	Integration and testing Level 2												
	Progress presenation -100%												
5	Final Stage												
	Final Thesis												
	Final Presentation												

4.2. Work Break Down Chart


TRAIN TRACKING AND DETECTION SYSTEM
Feasibility Study
Topic Evolution
Requirement Identification
Sub Objective Identification
Requirement Gathering & Planning
Literature Review
Methodology
Project Proposal
Data Collection
Design Implementation
Architecture Design
Detailed Design
Model Building
Tracking Progress & Provide Insights
UI Designing
Integration & Testing
Model Testing
Integrating Individual Component & Front End
Merging Components
Launch & Review
Launching Prototype
Deploying & Testing