UNIFIED DLP SOLUTIONS FOR EMAIL SYSTEM

Project Id: TMP-2023-24-082

Status Document - 01

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Specialization in Cyber Security

Department of Information Technology

Sri Lanka Institute of Information Technology

Sri Lanka

December 2023

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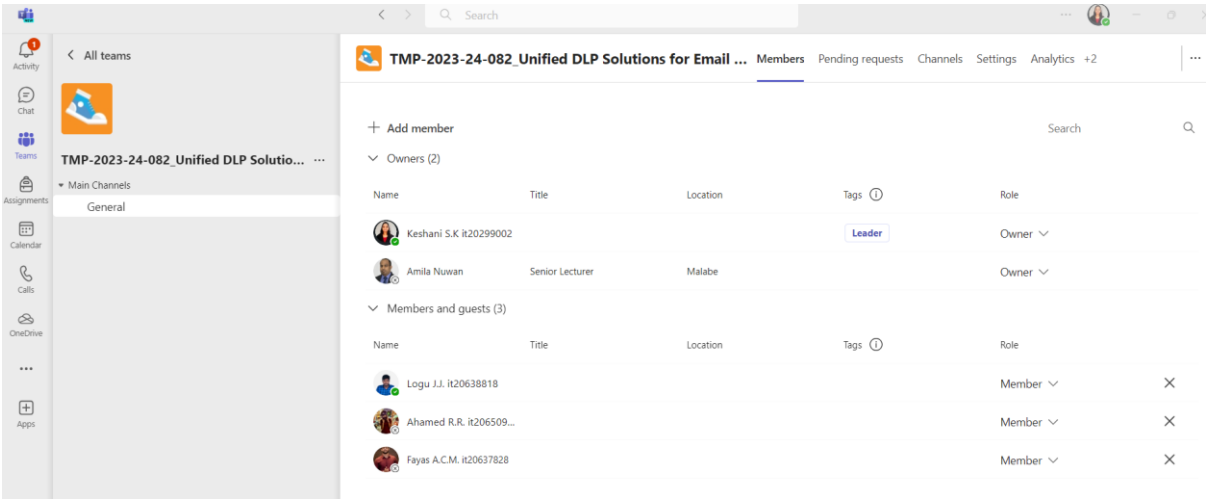
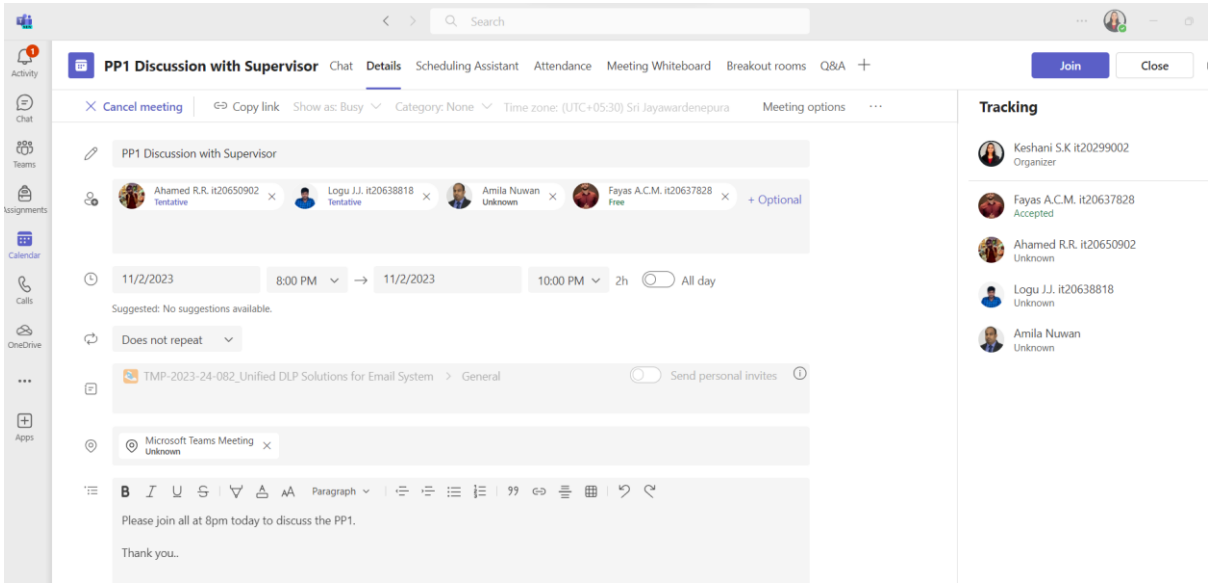
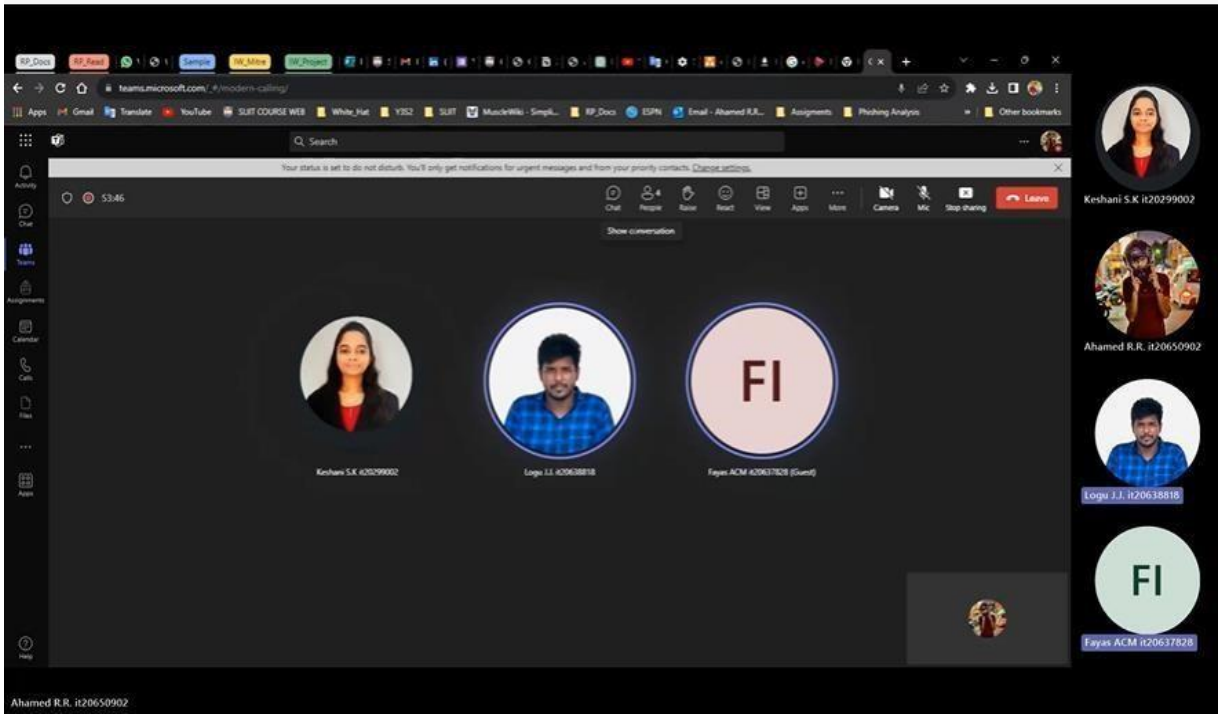
1. Microsoft Teams Details

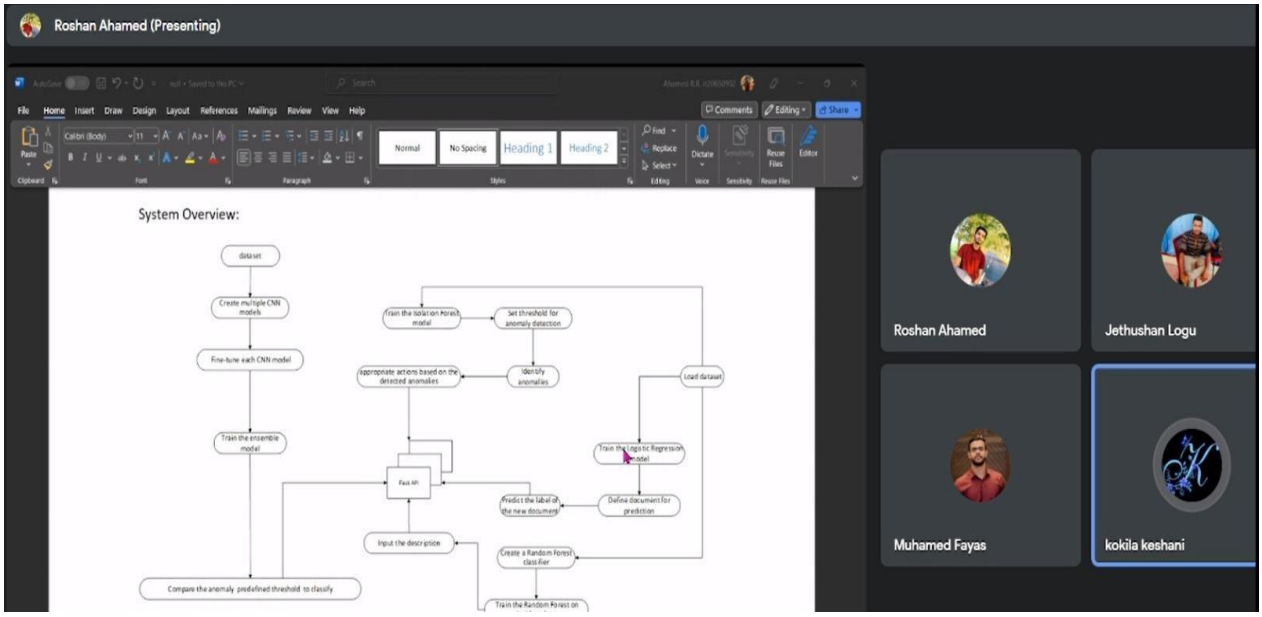
1.1 Team Members



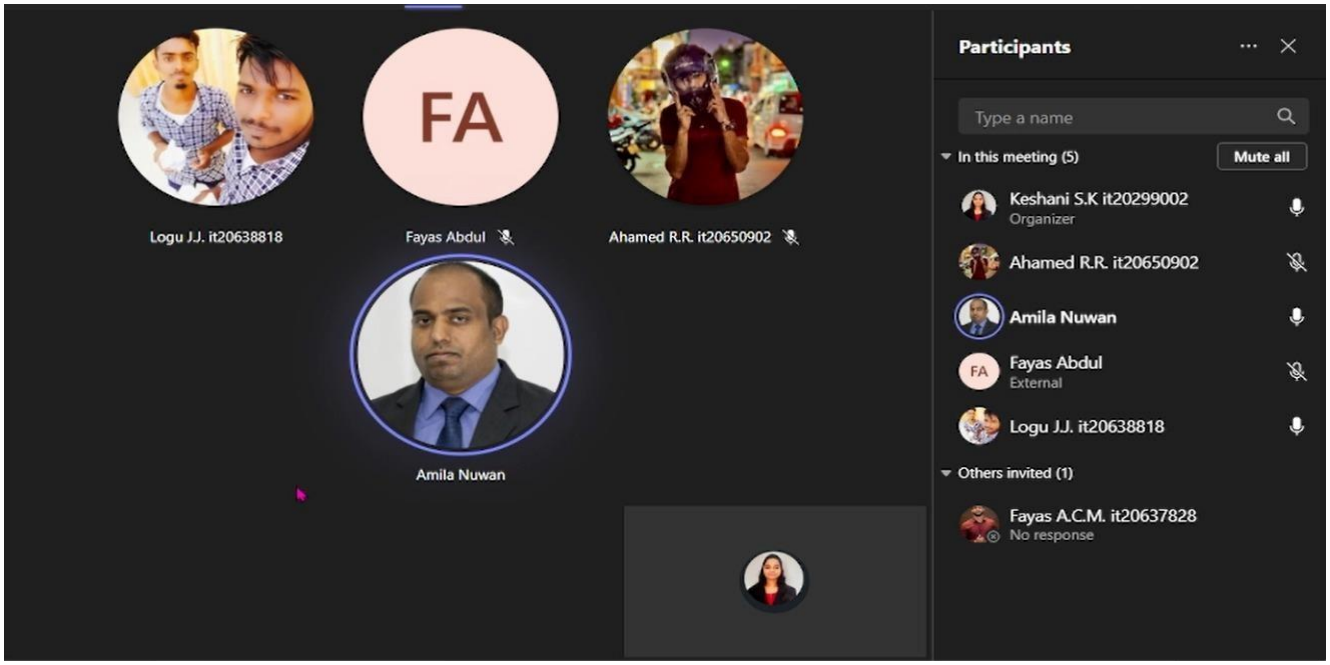
1.2 Team meeting with Group Members

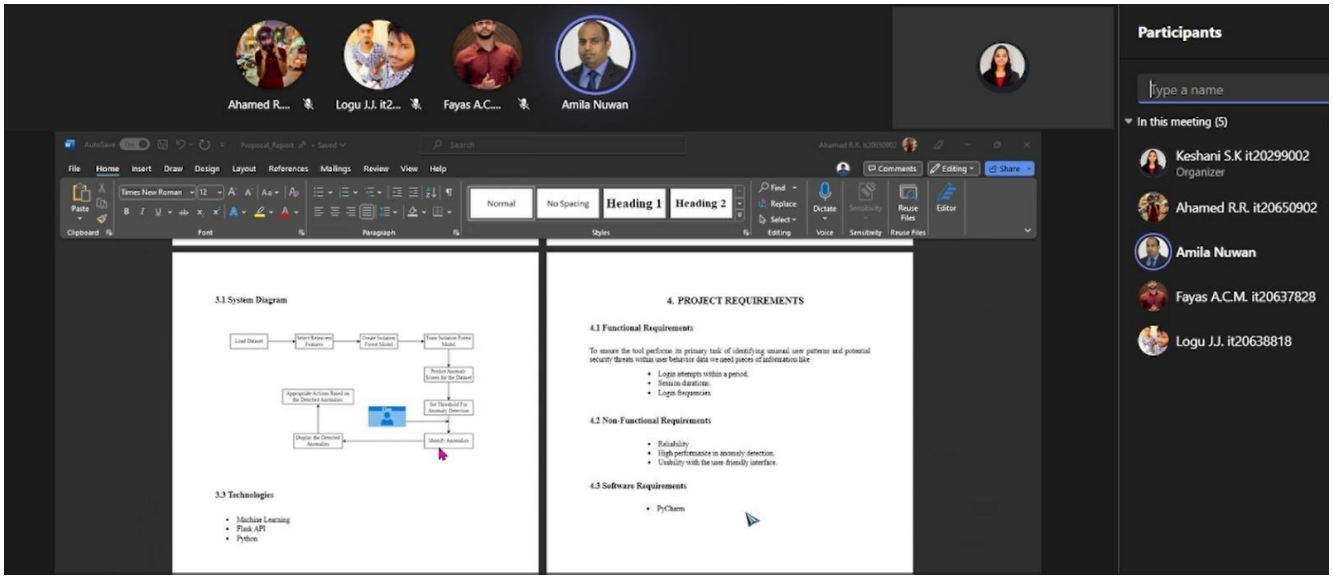



Keshani S.K it20299002
Ahamed R.R. it20650902
Logu J.J. it20638818
FI
Fayas ACM it20637828
Ahamed R.R. it20650902


Roshan Ahamed (Presenting)
System Overview:
Roshan Ahamed
Jethushan Logu
Muhamed Fayas
kokila keshani

1.3 Team Meeting with Supervisor

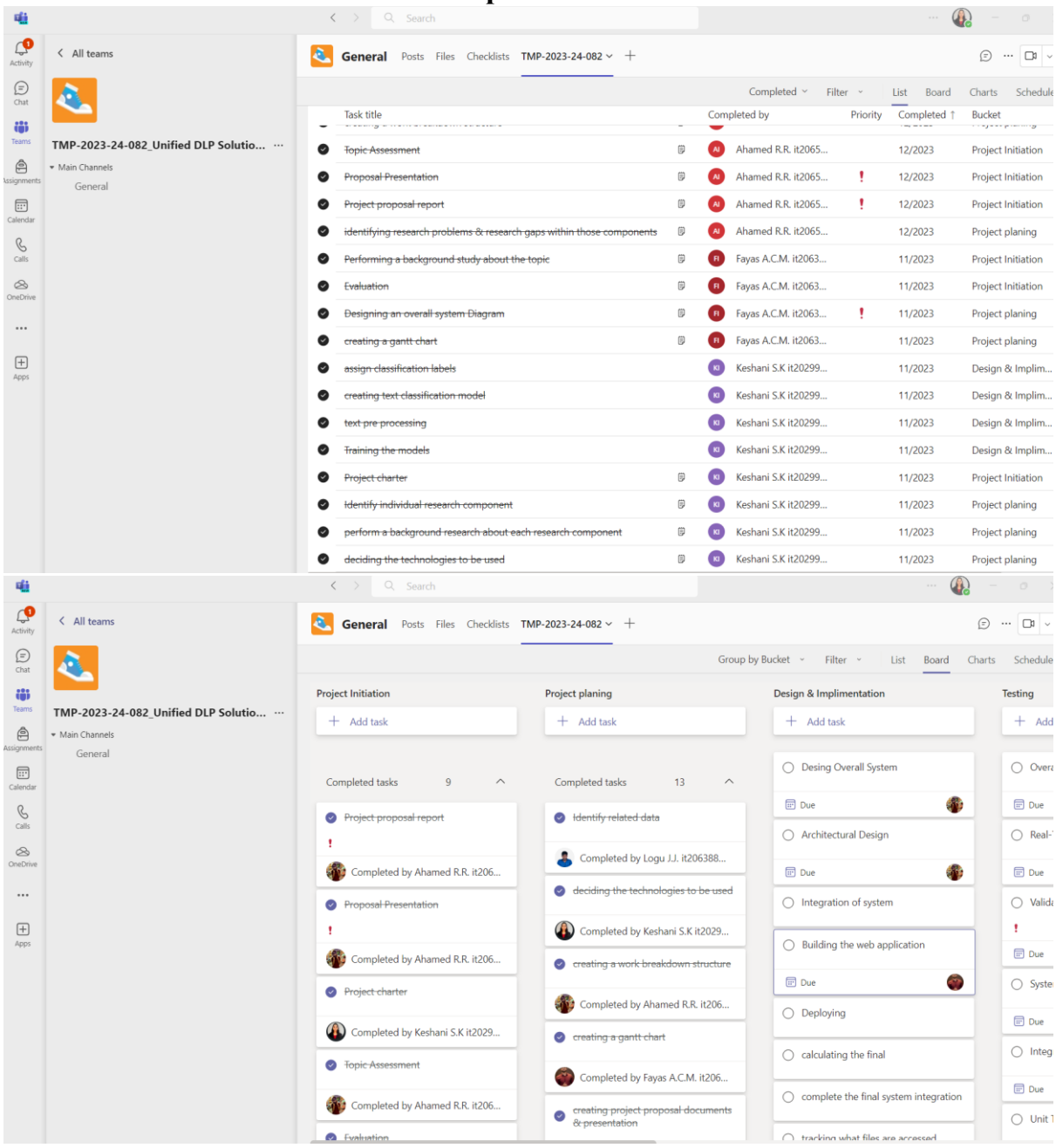




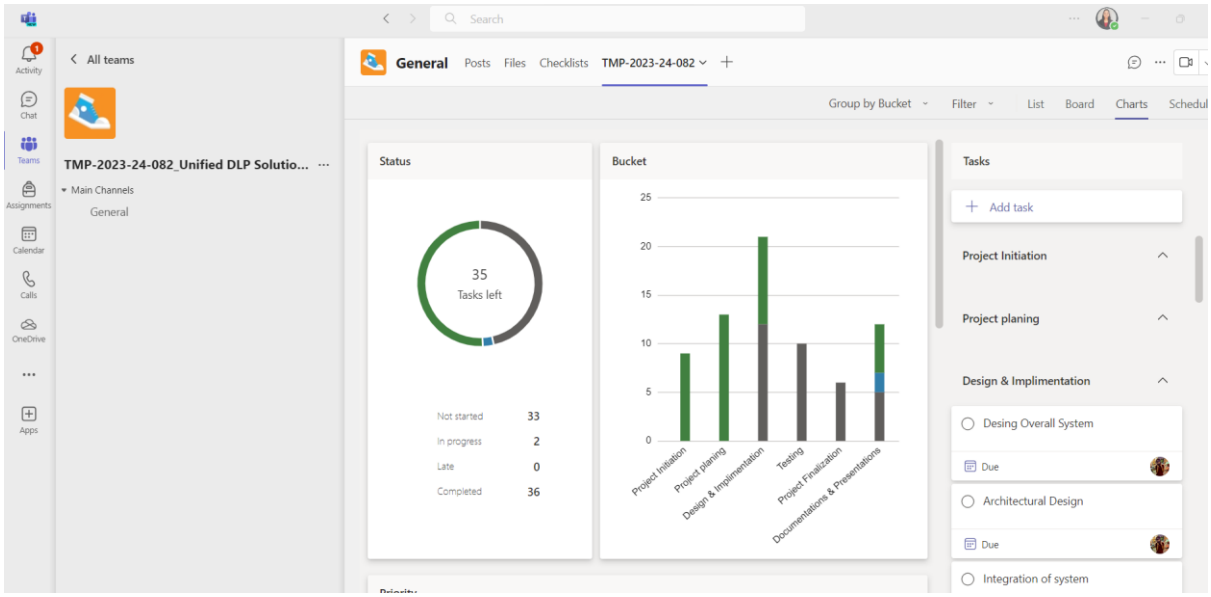
2. MS Teams Planner

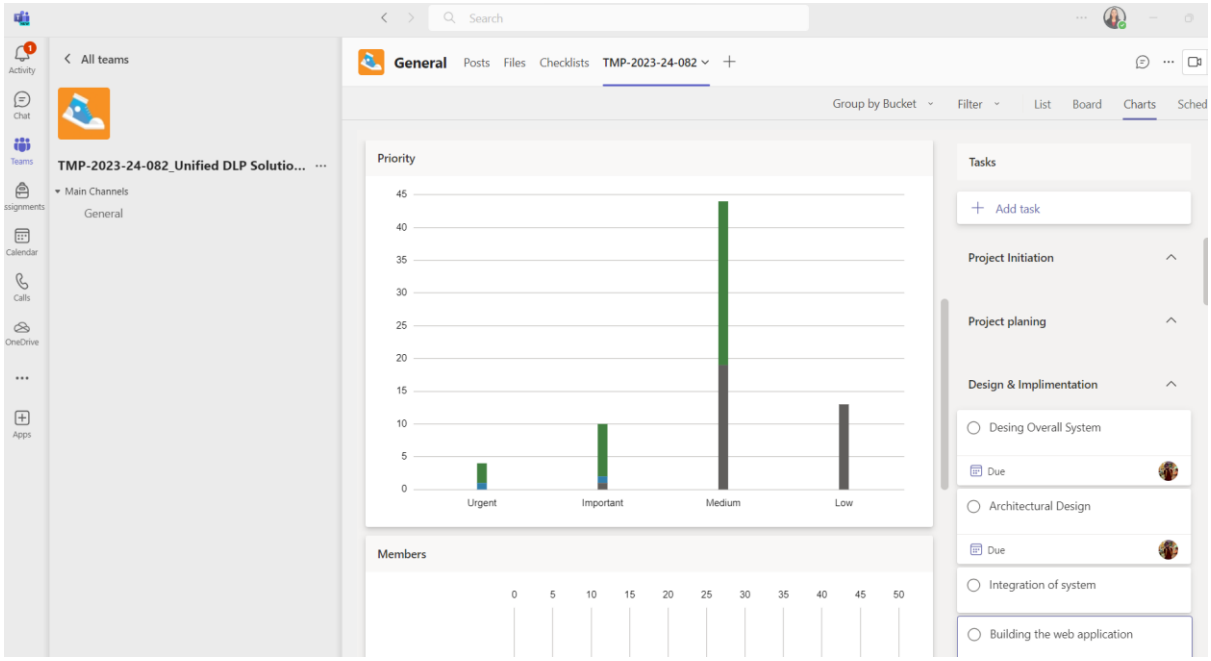
2.2 Planner Board

Completed Tasks

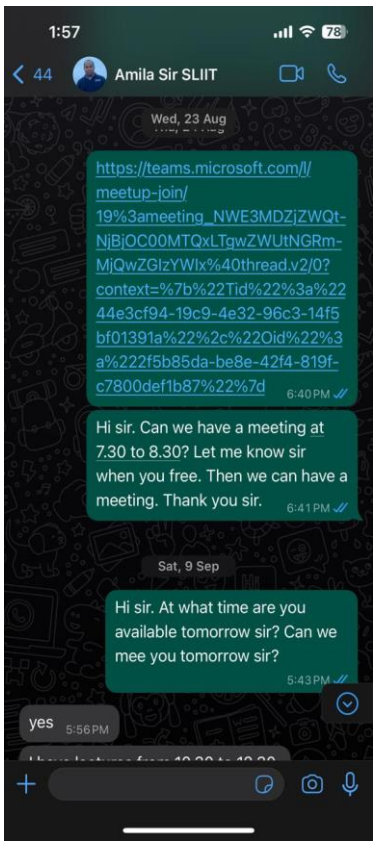


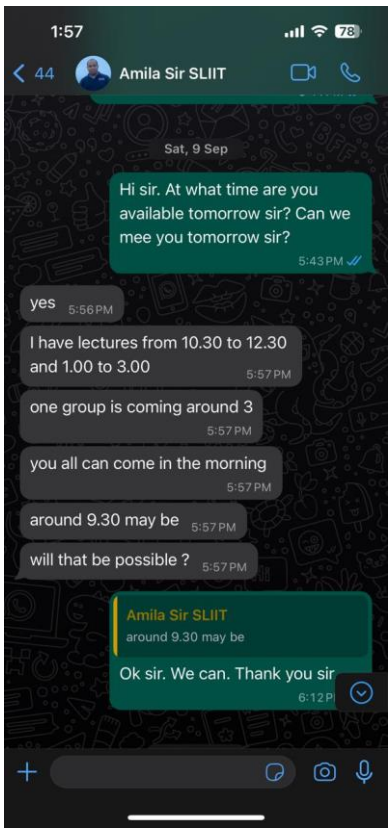
2.2 Team Planner Charts

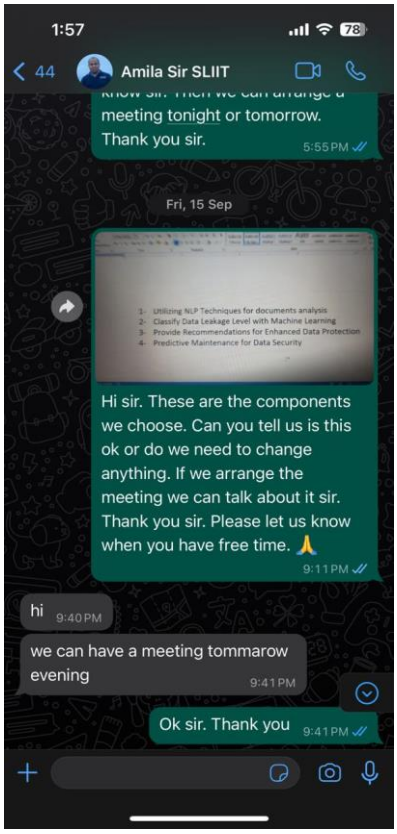


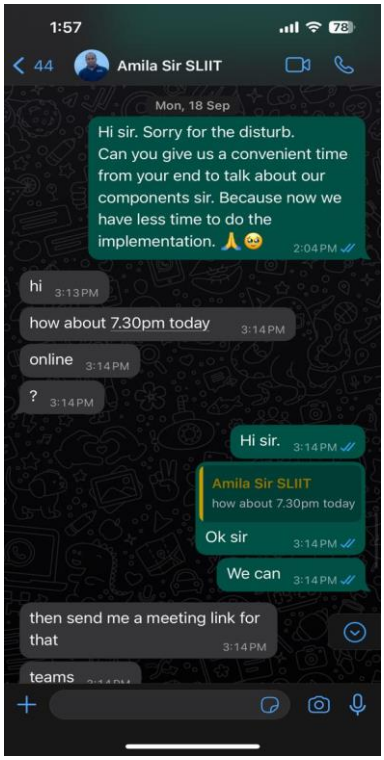


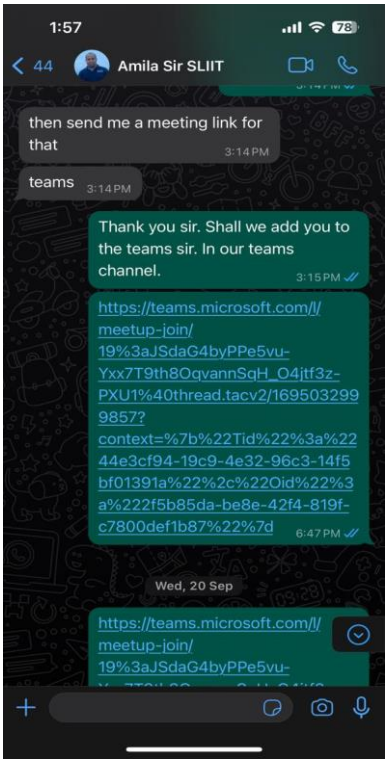
3. WhatsApp chat with Supervisor

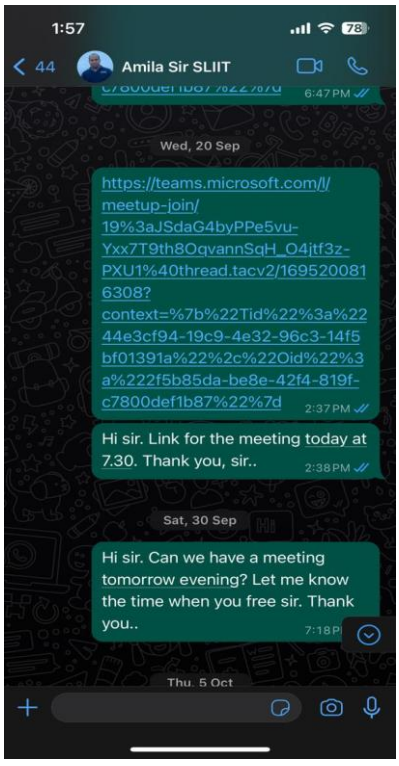


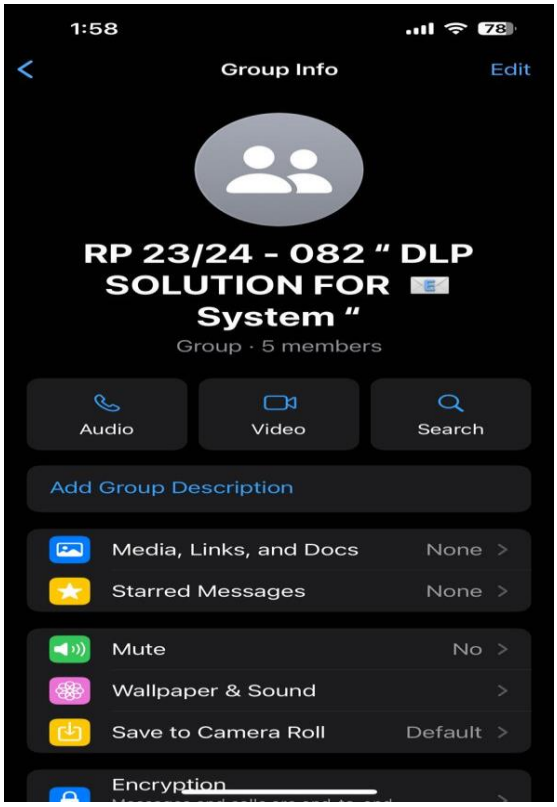


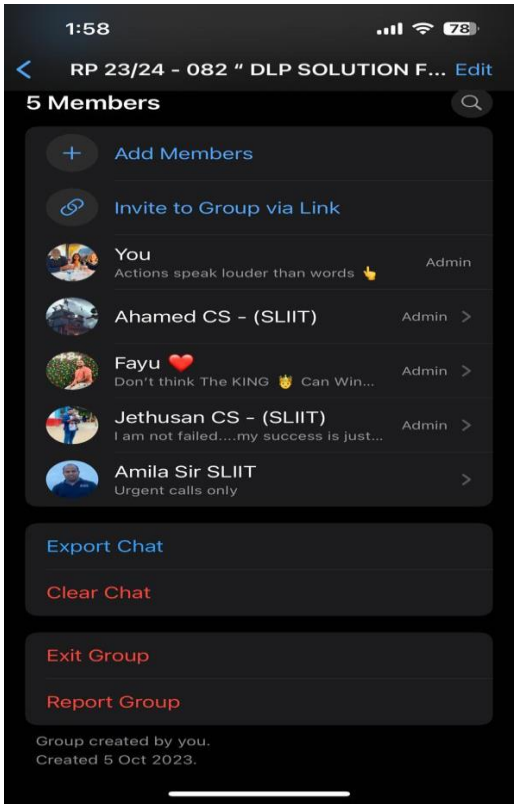


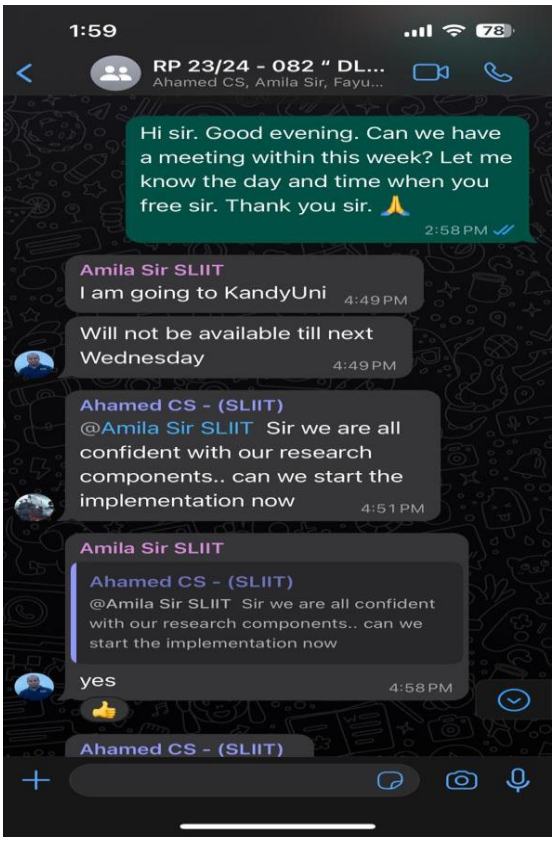


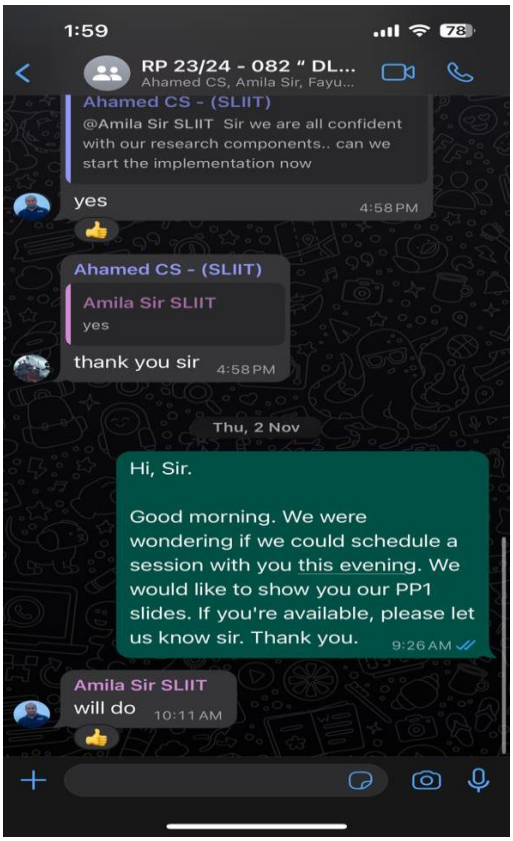




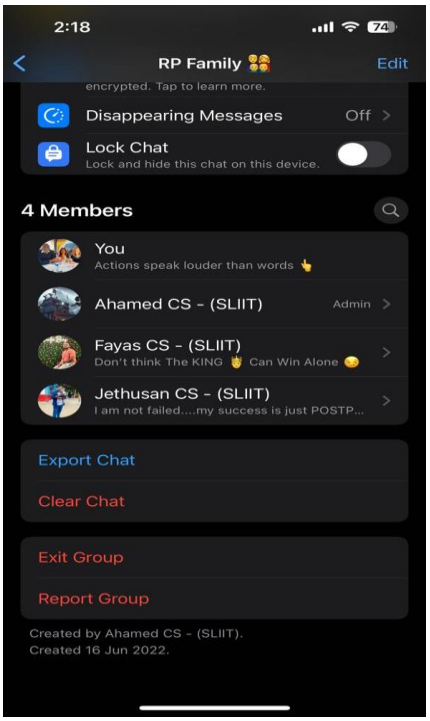

1:58
Group Info
Edit
RP 23/24 - 082 " DLP SOLUTION FOR System "
Group · 5 members
Audio
Video
Search
Add Group Description
Media, Links, and Docs None
Starred Messages None
Mute No
Wallpaper & Sound
Save to Camera Roll Default
Encryption

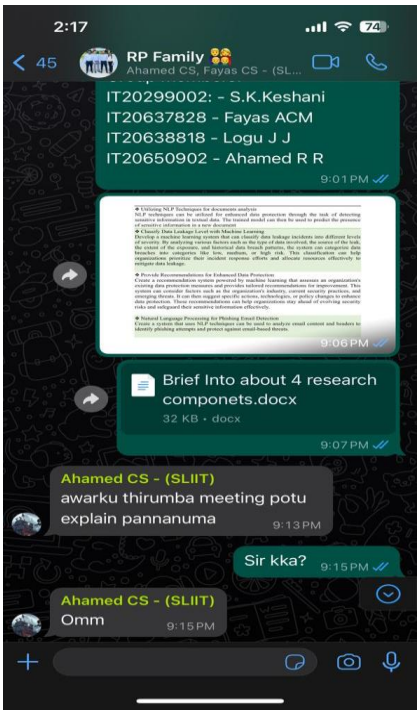

1:58
RP 23/24 - 082 " DLP SOLUTION F... Edit
5 Members
Add Members
Invite to Group via Link
You
Actions speak louder than words
Admin
Ahamed CS - (SLIIT)
Admin
Fayu
Don't think The KING Can Win...
Admin
Jethusan CS - (SLIIT)
I am not failed....my success is just...
Admin
Amila Sir SLIIT
Urgent calls only
Export Chat
Clear Chat
Exit Group
Report Group
Group created by you.
Created 5 Oct 2023.

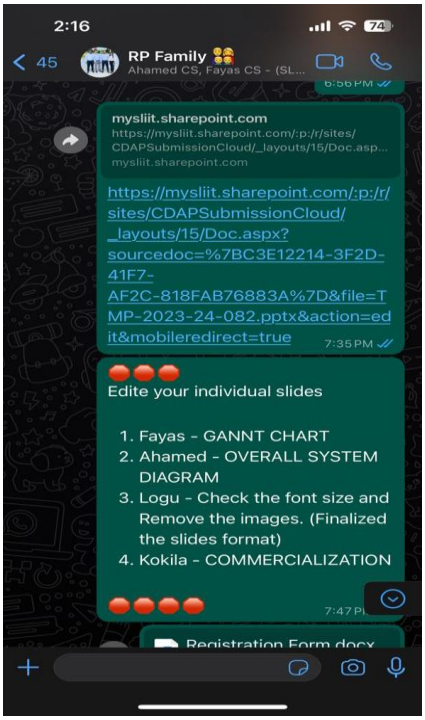

1:59
RP 23/24 - 082 " DL...
Ahamed CS, Amila Sir, Fayu...
Hi sir. Good evening. Can we have a meeting within this week? Let me know the day and time when you free sir. Thank you sir.
2:58 PM
Amila Sir SLIIT
I am going to KandyUni
4:49 PM
Will not be available till next Wednesday
4:49 PM
Ahamed CS - (SLIIT)
@Amila Sir SLIIT Sir we are all confident with our research components.. can we start the implementation now
4:51 PM
Amila Sir SLIIT
Ahamed CS - (SLIIT)
@Amila Sir SLIIT Sir we are all confident with our research components.. can we start the implementation now
yes
4:58 PM
Ahamed CS - (SLIIT)

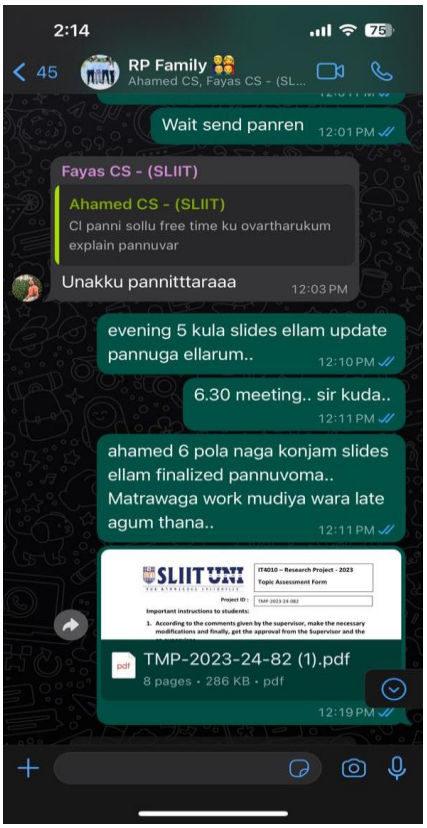

1:59
RP 23/24 - 082 " DL...
Ahamed CS, Amila Sir, Fayu...
Ahamed CS - (SLIIT)
@Amila Sir SLIIT Sir we are all confident with our research components.. can we start the implementation now
yes
4:58 PM
Ahamed CS - (SLIIT)
Amila Sir SLIIT
yes
thank you sir
4:58 PM
Thu, 2 Nov
Hi, Sir.
Good morning. We were wondering if we could schedule a session with you this evening. We would like to show you our PP1 slides. If you're available, please let us know sir. Thank you.
9:26 AM
Amila Sir SLIIT
will do
10:11 AM

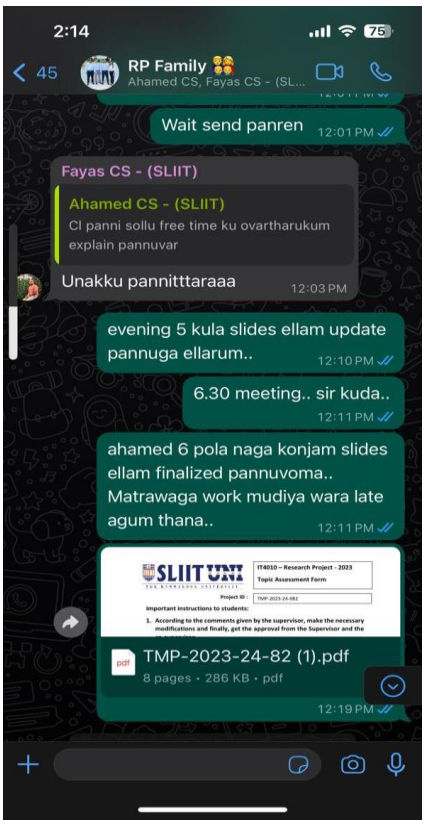
4. WhatsApp Call and Chat with Team

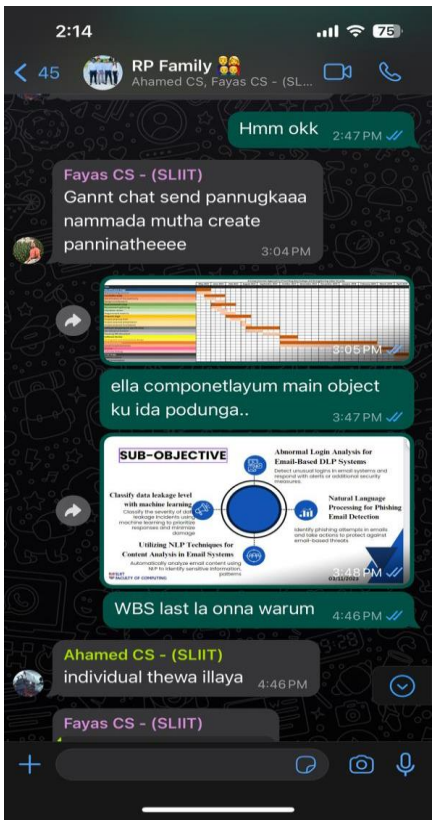












5. Email and planned Teams Events

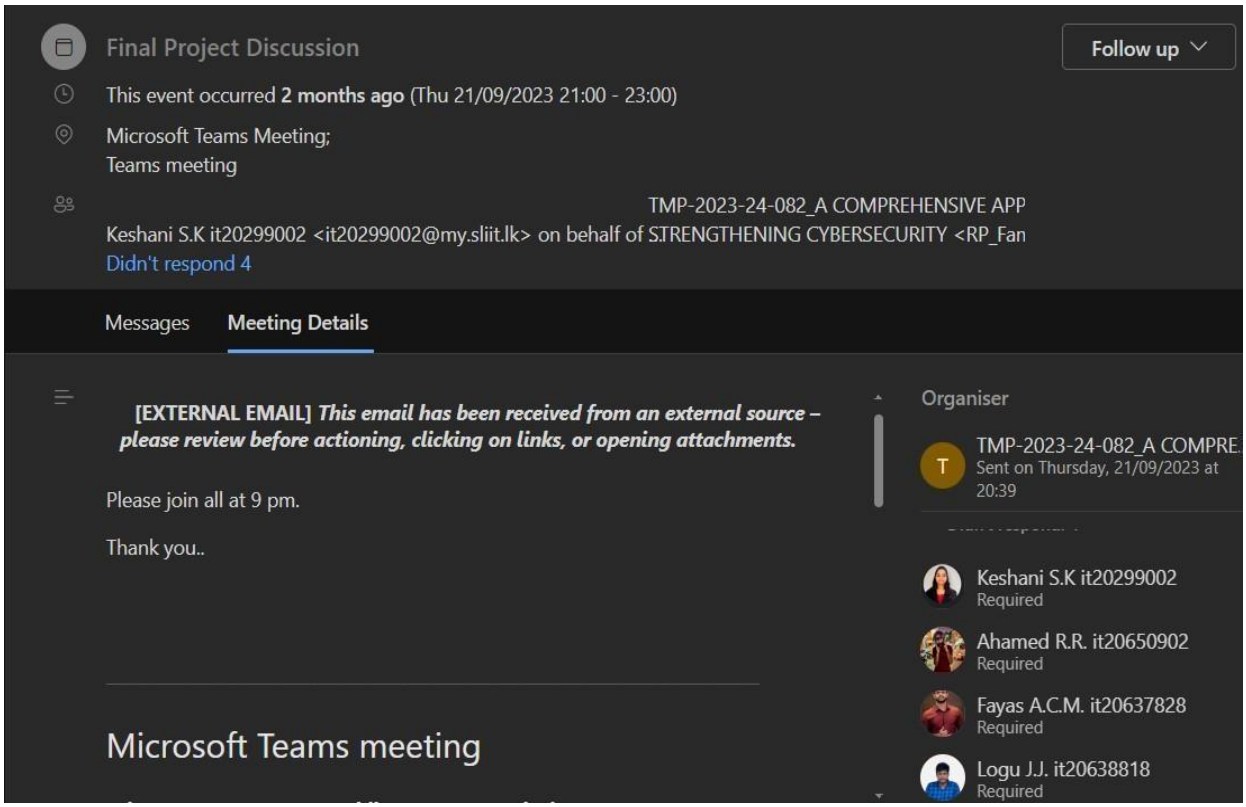


Fig: Planned MS Teams Meeting

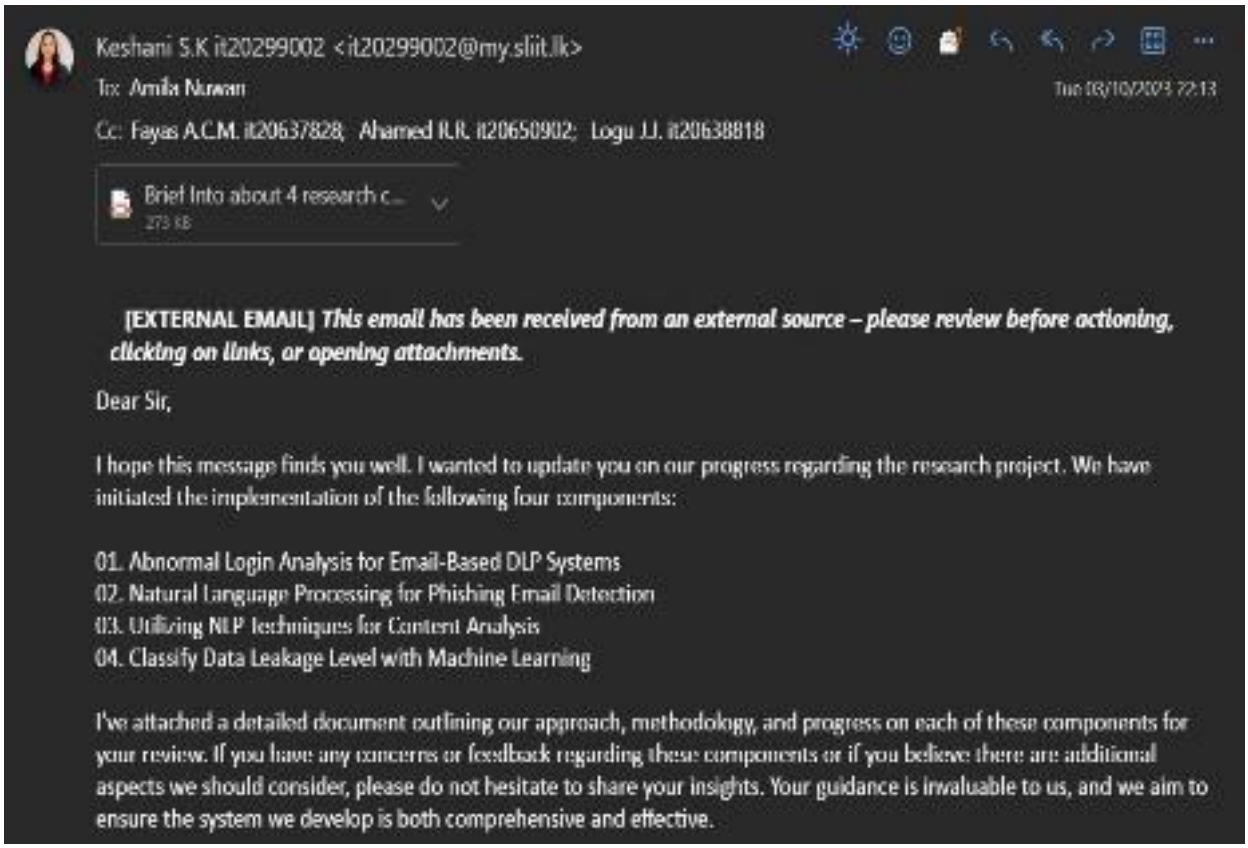


Fig: Email Communication with Supervisor

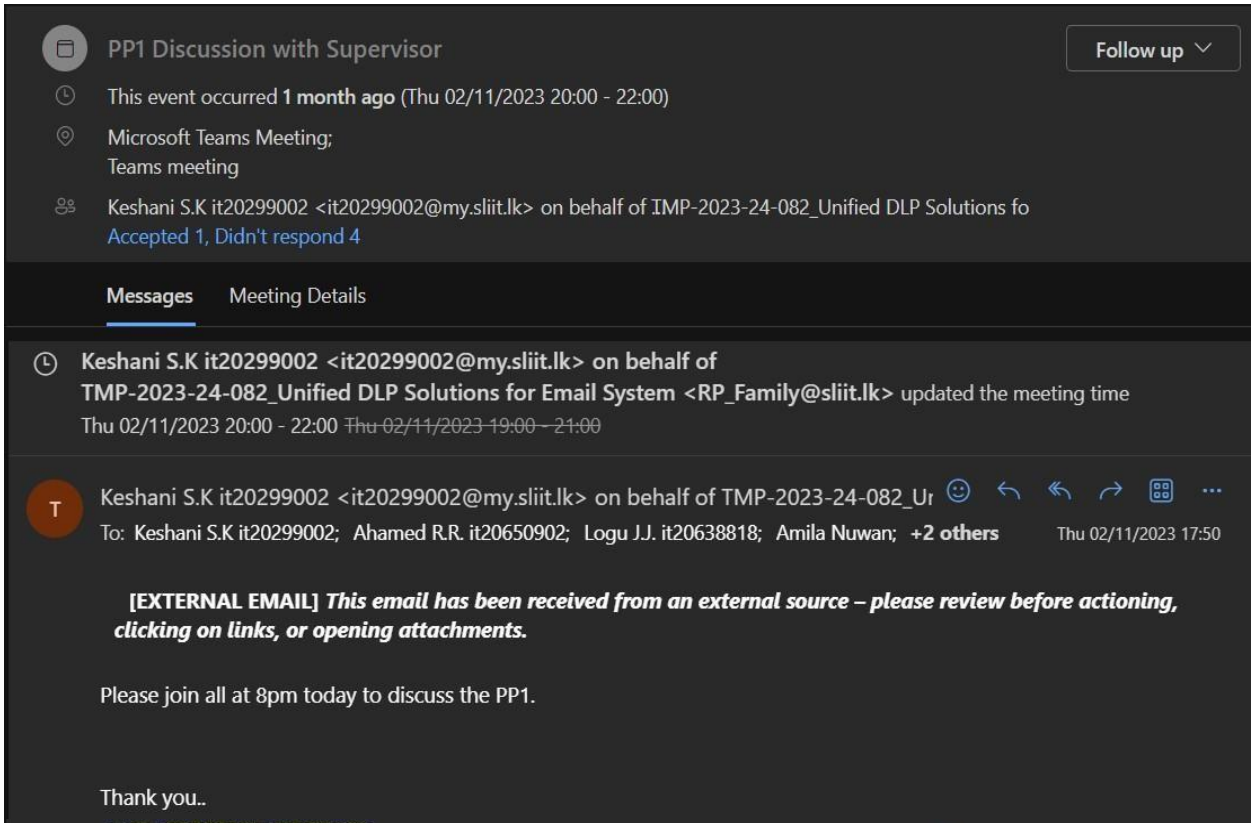


Fig: PP1 Discussion Meeting with Supervisor

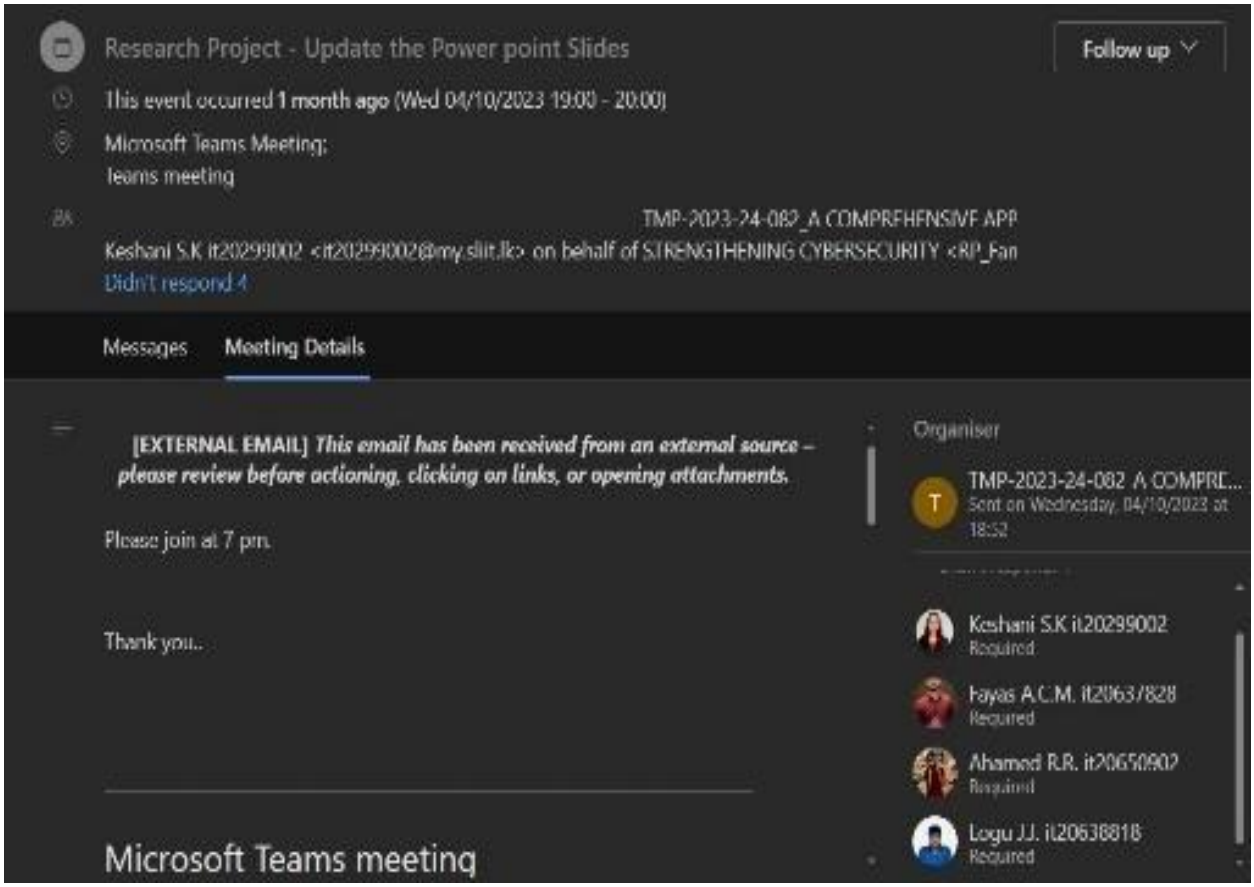
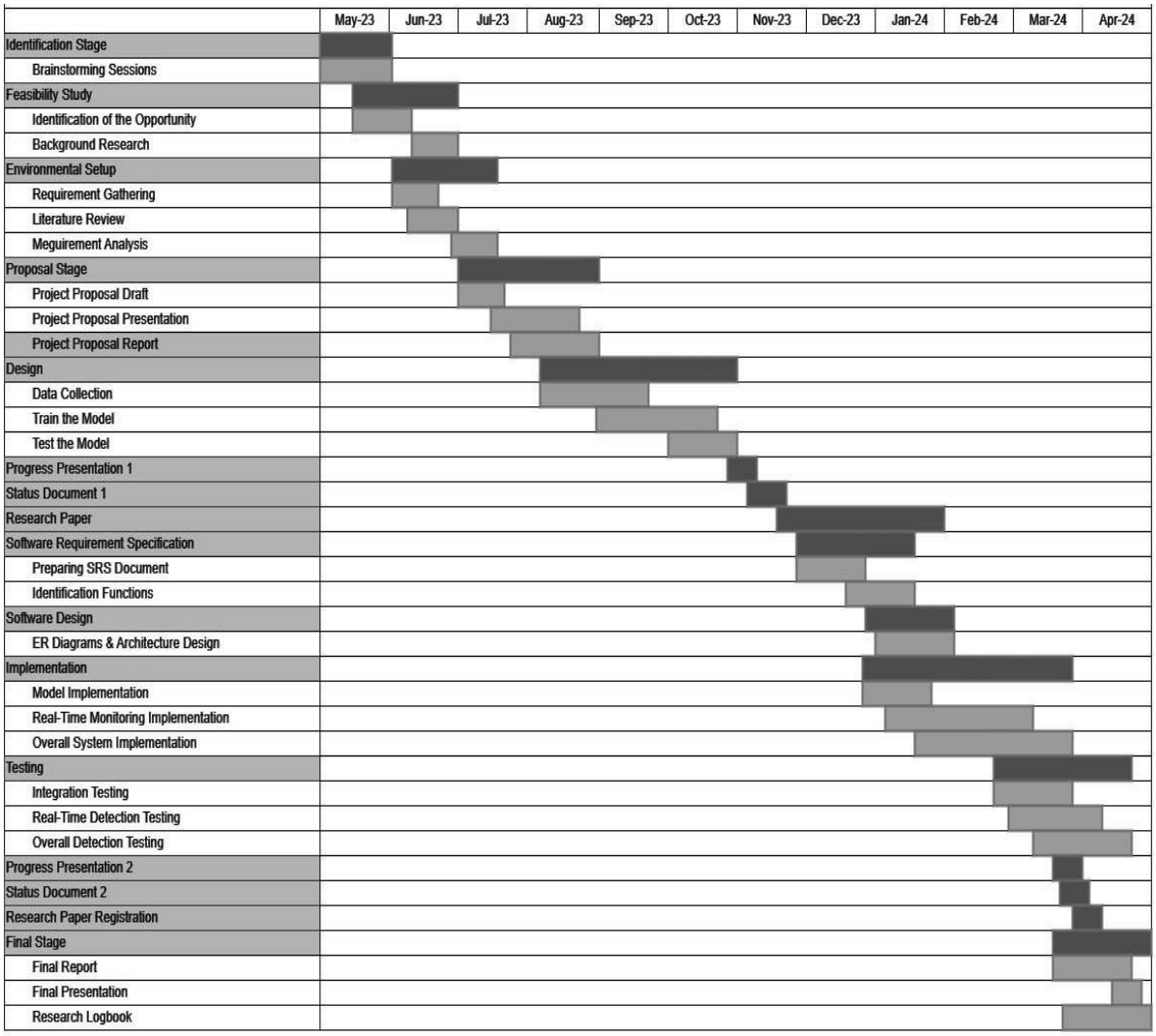
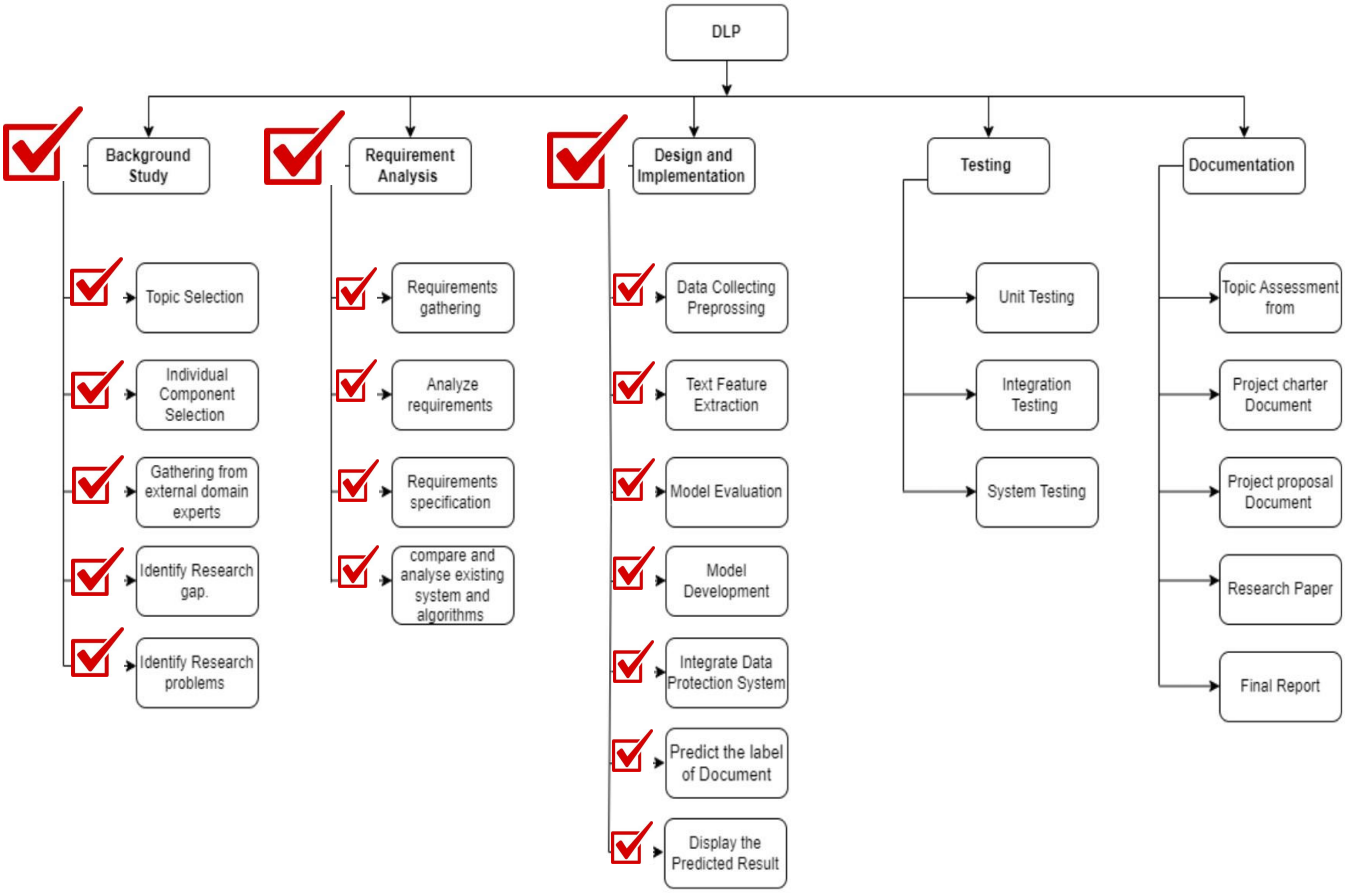


Fig: PP1 Slides Updating Meeting with Team Members

6. Gannt Chart



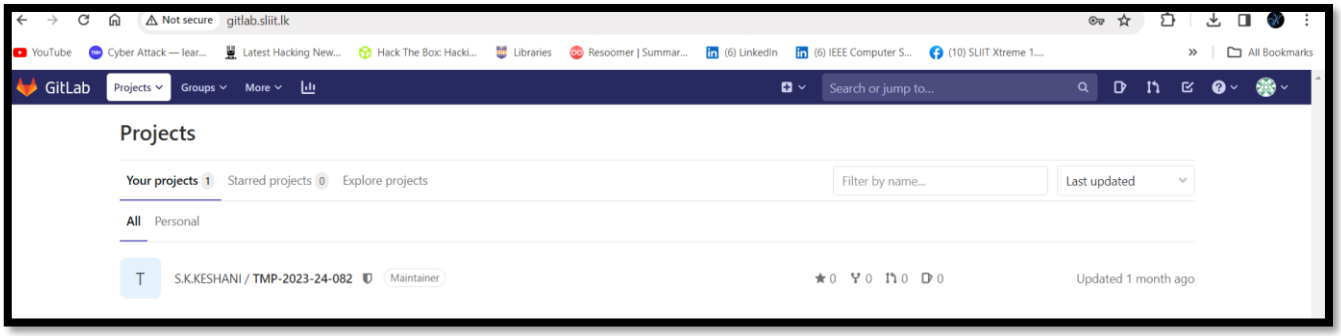
7. Work Breakdown Structure (WBS)

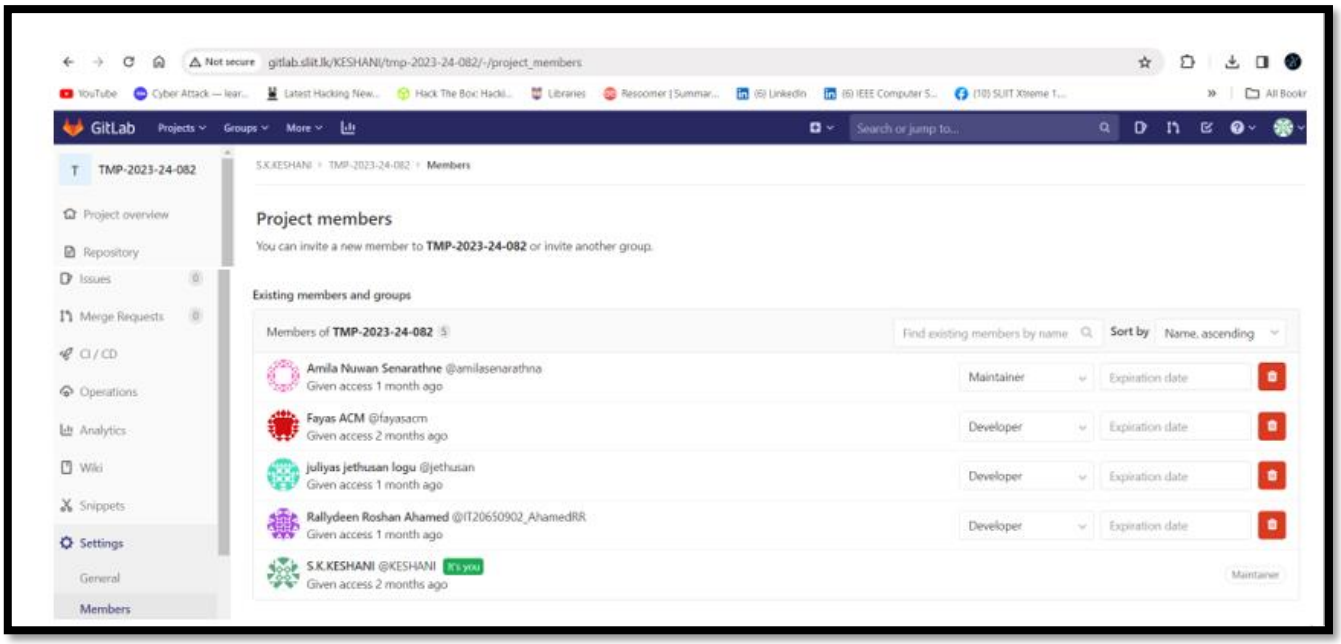


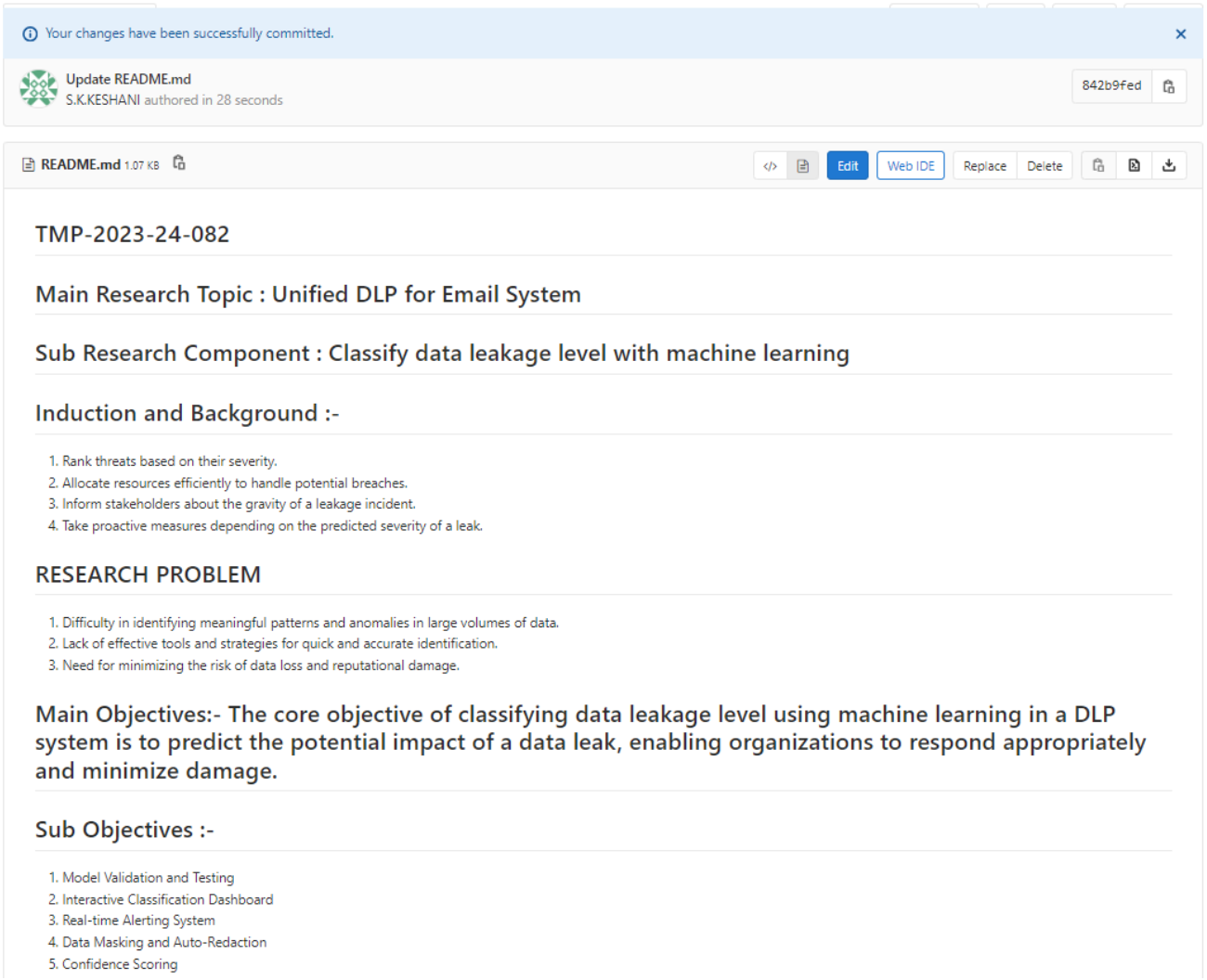
Completed

8. Gitlab Commits

Fig: Team Members and Supervisor






Your changes have been successfully committed.
Update README.md
S.K.KESHANI authored in 28 seconds
842b9fed
README.md 1.07 KB
Edit
Web IDE
Replace
Delete
TMP-2023-24-082
Main Research Topic : Unified DLP for Email System
Sub Research Component : Classify data leakage level with machine learning
Induction and Background :-
1. Rank threats based on their severity.
2. Allocate resources efficiently to handle potential breaches.
3. Inform stakeholders about the gravity of a leakage incident.
4. Take proactive measures depending on the predicted severity of a leak.
RESEARCH PROBLEM
1. Difficulty in identifying meaningful patterns and anomalies in large volumes of data.
2. Lack of effective tools and strategies for quick and accurate identification.
3. Need for minimizing the risk of data loss and reputational damage.
Main Objectives:- The core objective of classifying data leakage level using machine learning in a DLP system is to predict the potential impact of a data leak, enabling organizations to respond appropriately and minimize damage.
Sub Objectives :-
1. Model Validation and Testing
2. Interactive Classification Dashboard
3. Real-time Alerting System
4. Data Masking and Auto-Redaction
5. Confidence Scoring