



# **AIR QUALITY MONITORING AND ANALYSIS BASED PREDICTIVE SYSTEM**

**Project ID: 2024 - 078**

**Project Status Document 2 – Individual**

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## Contents

1. Screenshots of the Calls in MS Teams.....	4
1.1. MS Teams Calls with Research Team.....	4
1.2. MS Teams Call with Co-Supervisor .....	9
2. Screenshots of the Chats in MS Teams.....	10
2.1. Physically Progress Meeting Schedule Dates in Supervisor.....	10
2.2. MS Teams Chat with Research Team .....	11
3. Teams Planner Charts .....	14
3.1. MS Teams Planner Board .....	14
4. Data Collections .....	20
5. WhatsApp Group & Calls.....	21
5.1. Research Team WhatsApp Group Call.....	21
5.2. Research Team Group.....	22
6. Work Breakdown Structure & Allocate Resources for Each Area .....	23
7. Gantt Chart of Finalize Design & Implementation Phase .....	24

## Table of Figures

Fig. 1. supervision and supervision accept our team.....	4
Fig. 2. supervision and supervision accept our team.....	4
Fig. 3. Teams Call 1 with Research Team.....	4
Fig. 4. Teams Call 2 with Research Team.....	4
Fig. 5. Teams Call 3 with Research Team.....	5
Fig. 6. Teams Call 4 with Research Team.....	5
Fig. 7. Teams Call 5 with Research Team.....	6
Fig. 8. Teams Call 6 with Research Team.....	6
Fig. 9. Teams Call 7 with Research Team.....	7
Fig. 10. Teams Call 8 with Research Team.....	7
Fig. 11. Teams Call with Research Team Co-Supervisor.....	9
Fig. 12. Physically Meeting schedule.....	10
Fig. 13. Planner Board Part 1.....	14
Fig. 14. Planner Board Part 2.....	15
Fig. 15. Teams Planner Charts.....	16
Fig. 16. Teams Planner Chart Bucket.....	16
Fig. 17. Members Assigned Tasks.....	17
Fig. 18. Members Assigned Task List.....	17
Fig. 19. Completed Task List.....	18
Fig. 20. Datasets.....	20
Fig. 21. Research Team WhatsApp Group Call 1.....	21
Fig. 21 Research Team WhatsApp Group Call.....	21
Fig. 22. Research Team Group.....	22
Fig. 23. Work Breakdown Chart.....	23
Fig. 24. Gantt Chart.....	24
Fig. 25. Gantt Chart.....	24

## 1. supervision and supervision accept our team.

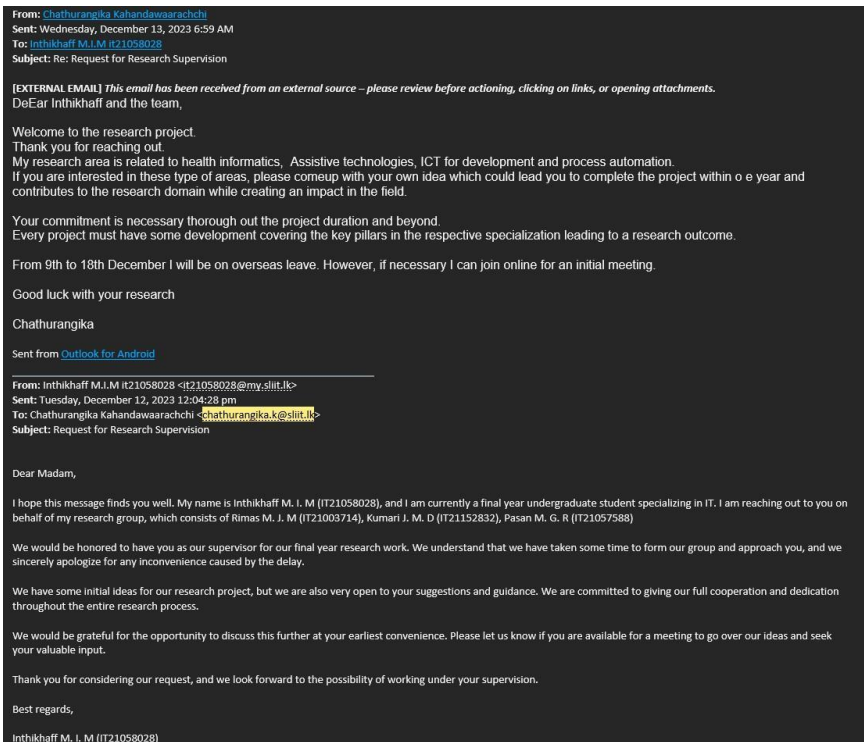


Fig. 1. supervision

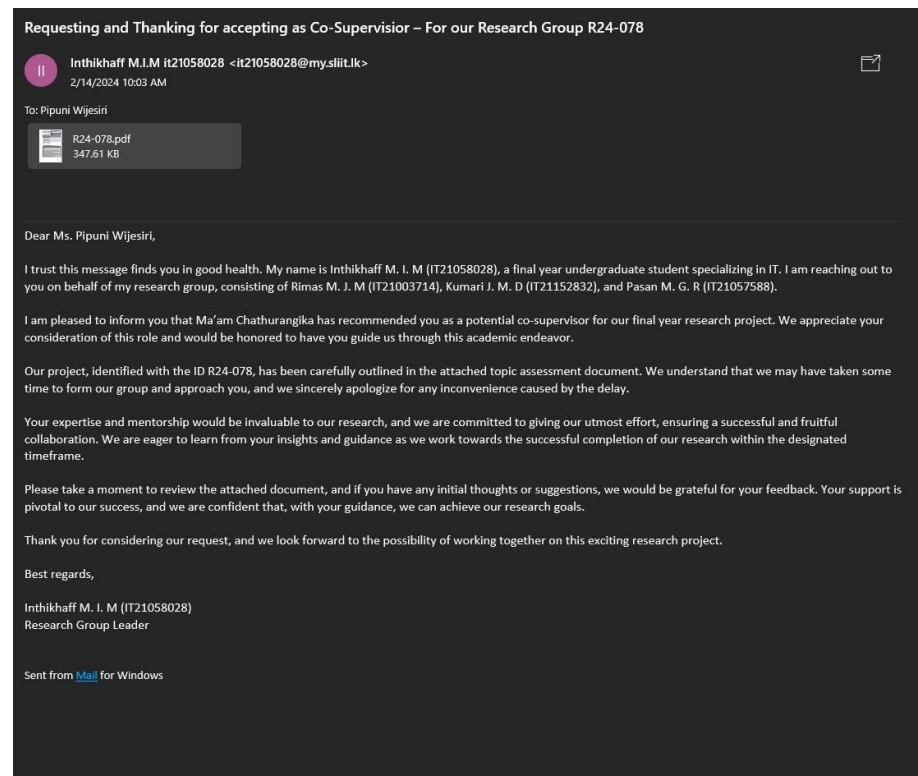


Fig. 2. supervision

## 2.1. MS Teams Calls with Research Team



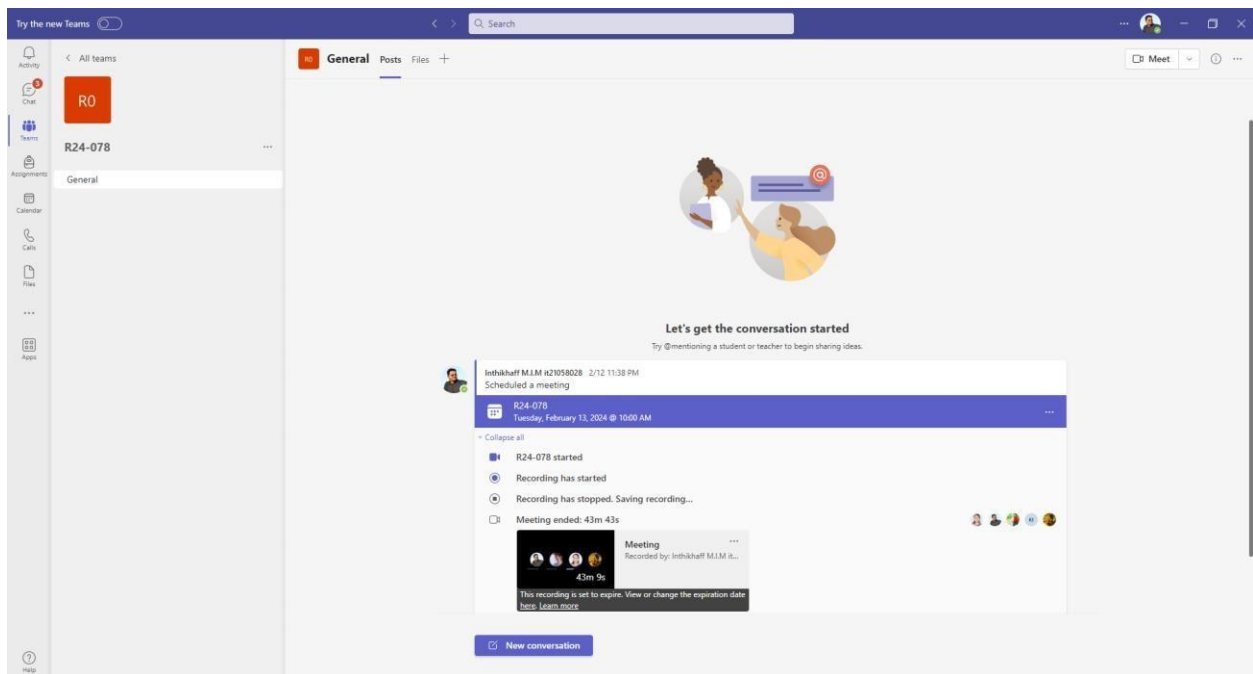


Fig. 5. Teams Call 3 with Research Team

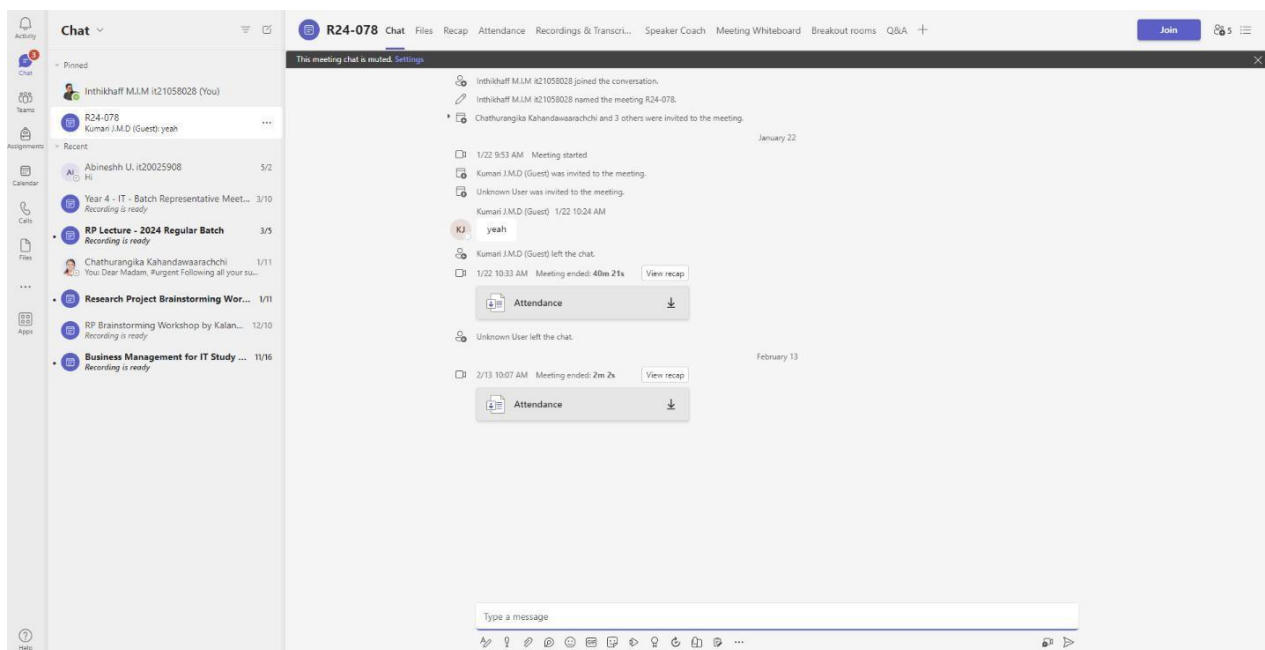


Fig. 6. Teams Call 4 with Research Team

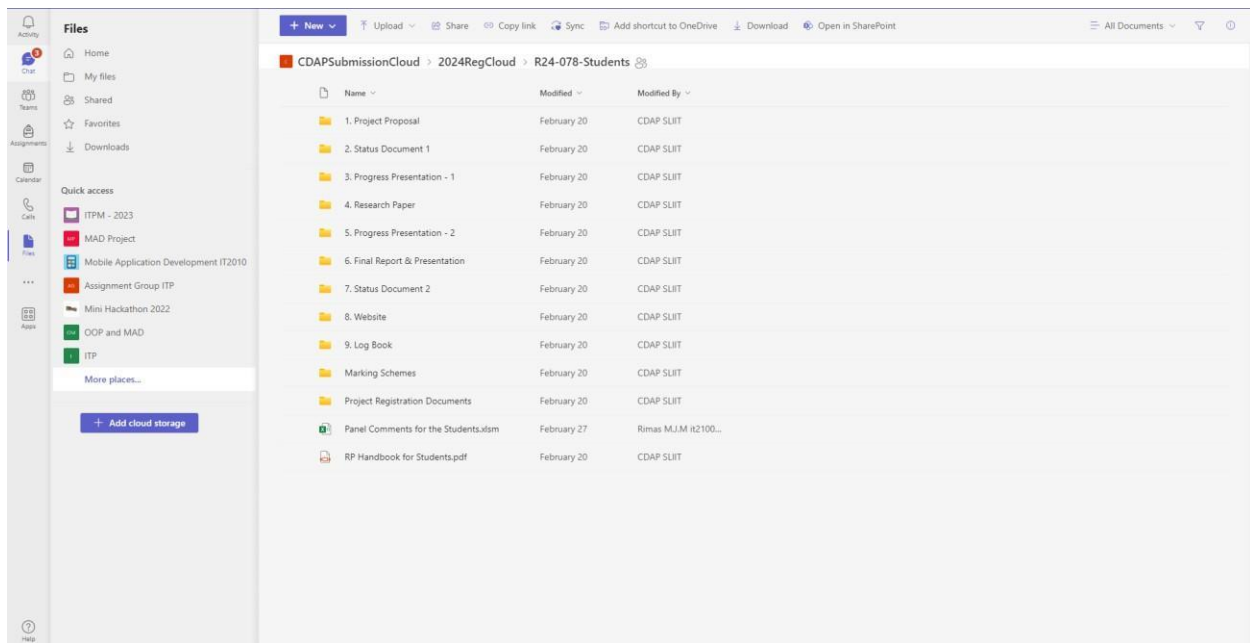


Fig. 7. Teams Call 5 with Research Team

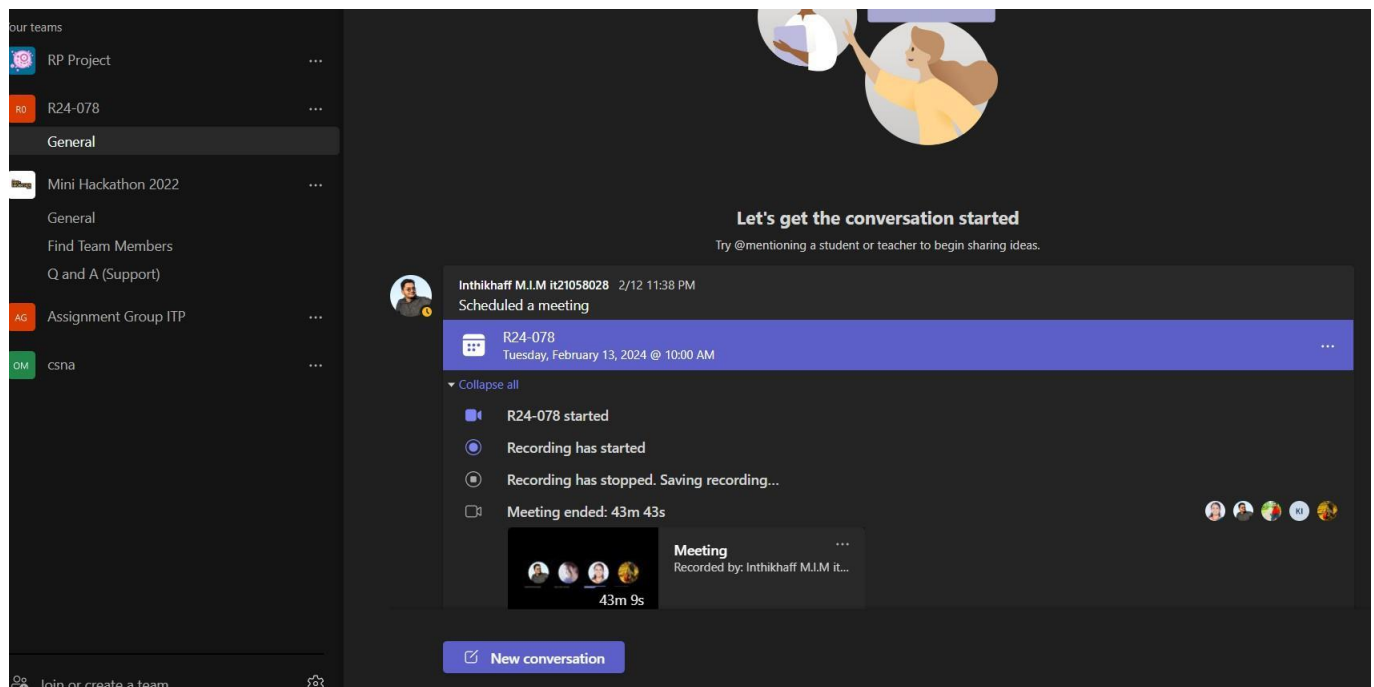


Fig. 8. Teams Call 6 with Research Team

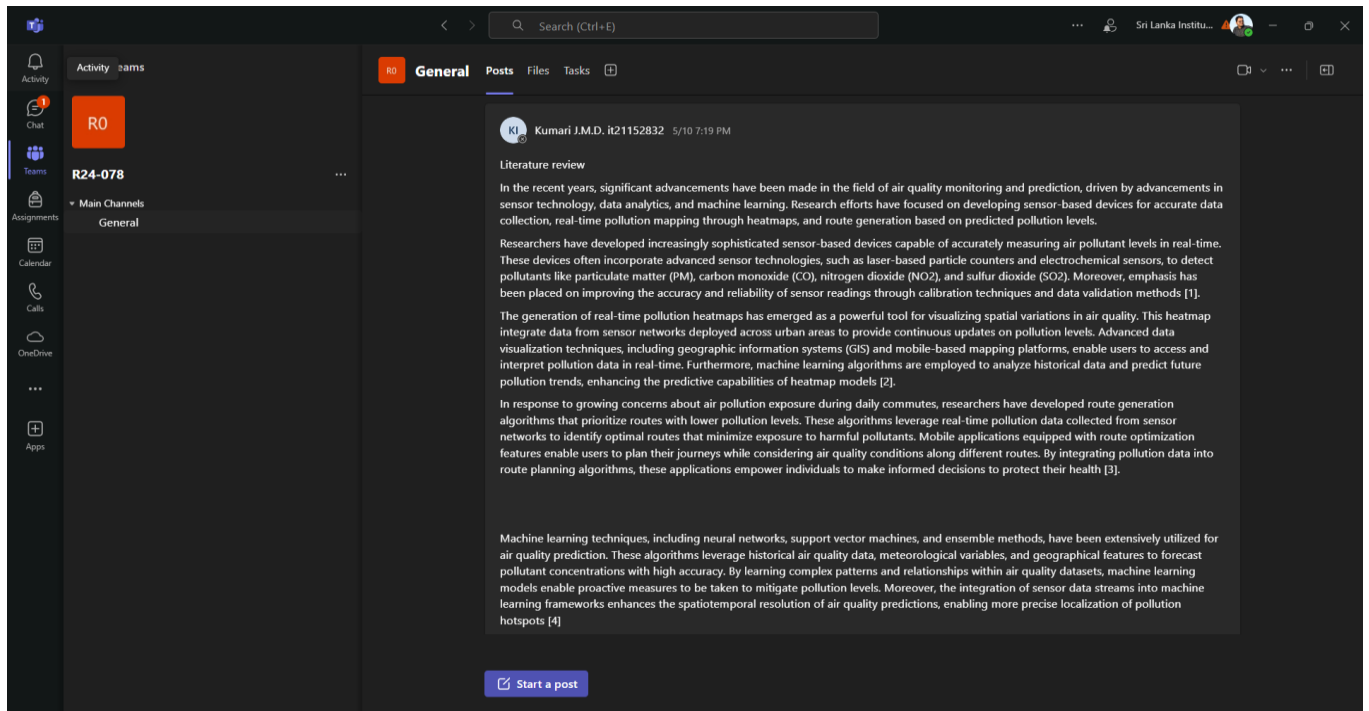


Fig. 9. Teams Call 7 with Research Team

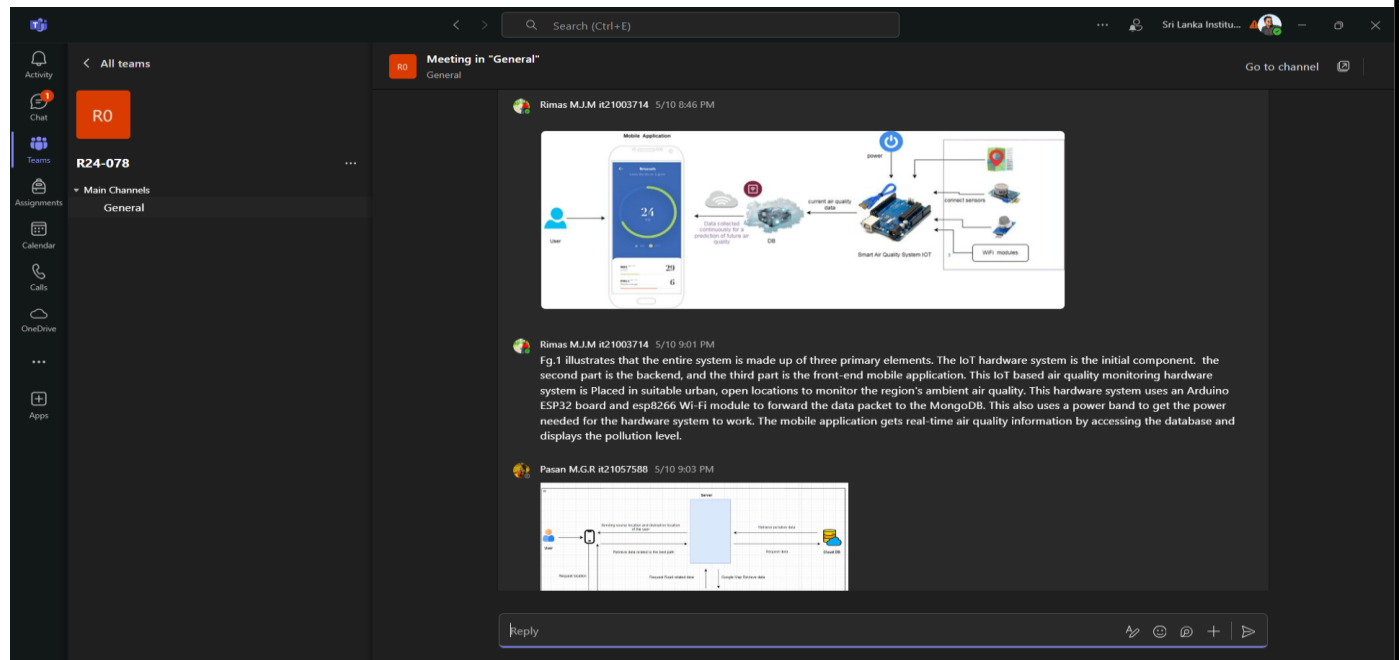


Fig. 10. Teams Call 8 with Research Team



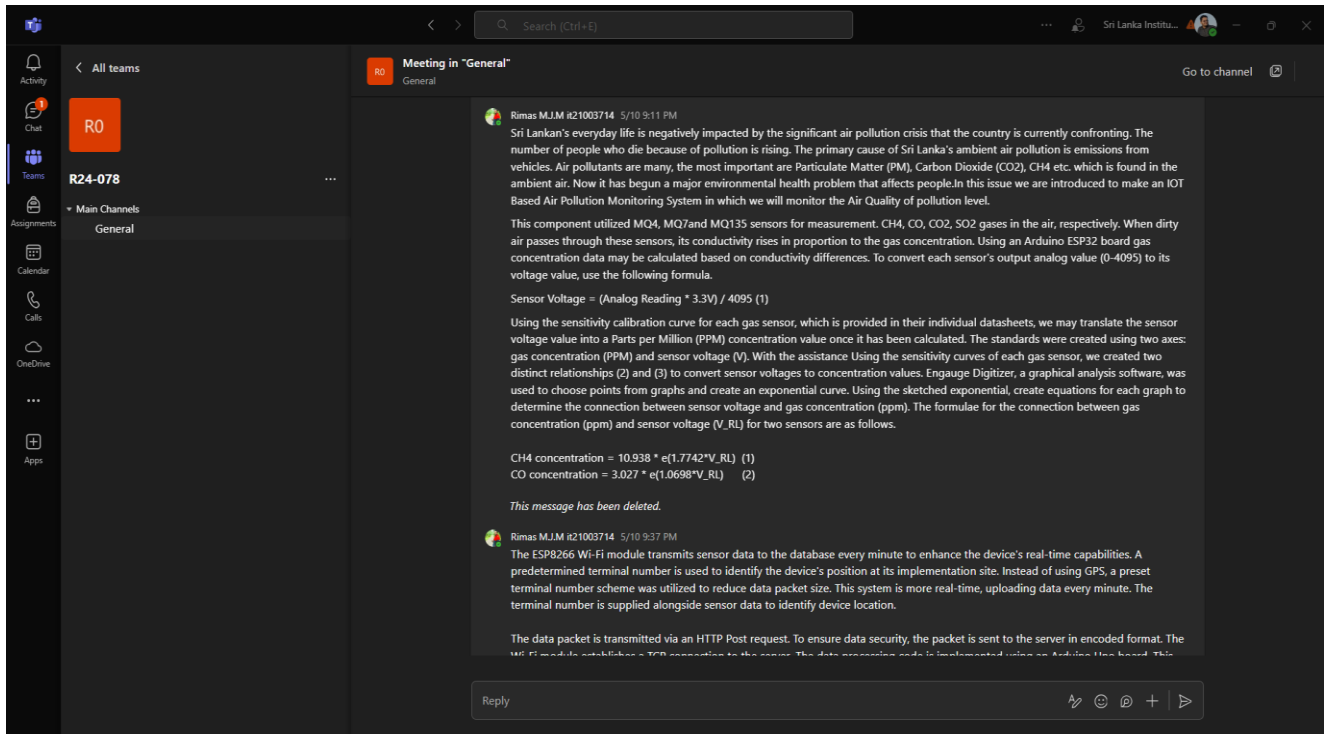


Fig. 11. Teams Call 6 with Research Team

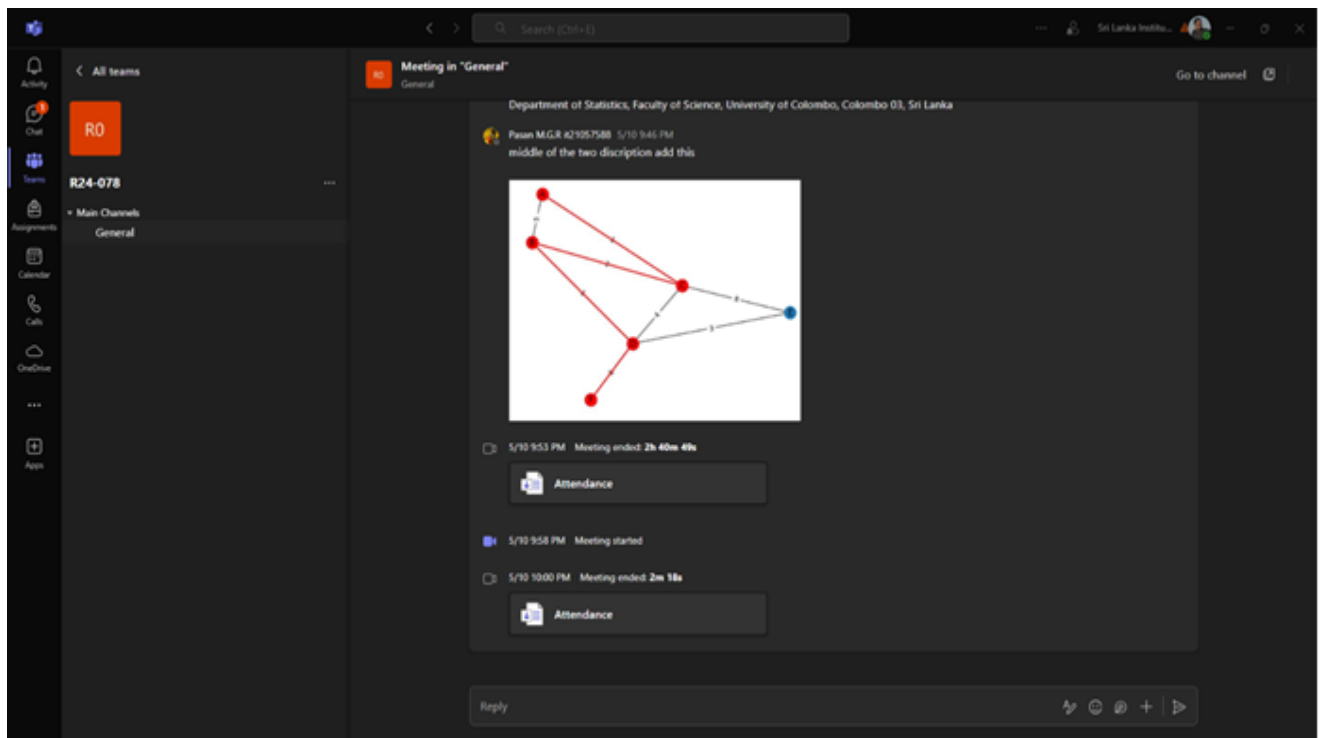


Fig. 12. Teams Call 6 with Research Team

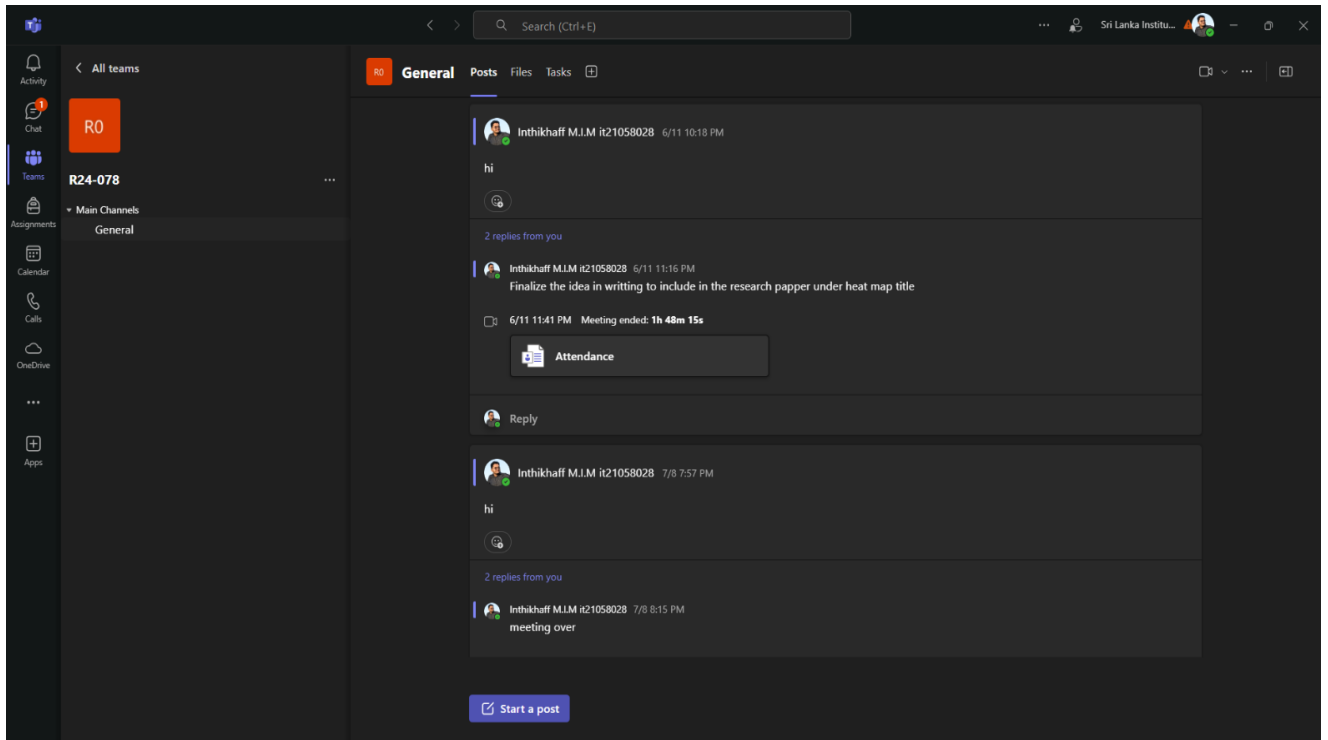


Fig. 1 3 . Teams Call 6 with Research Team

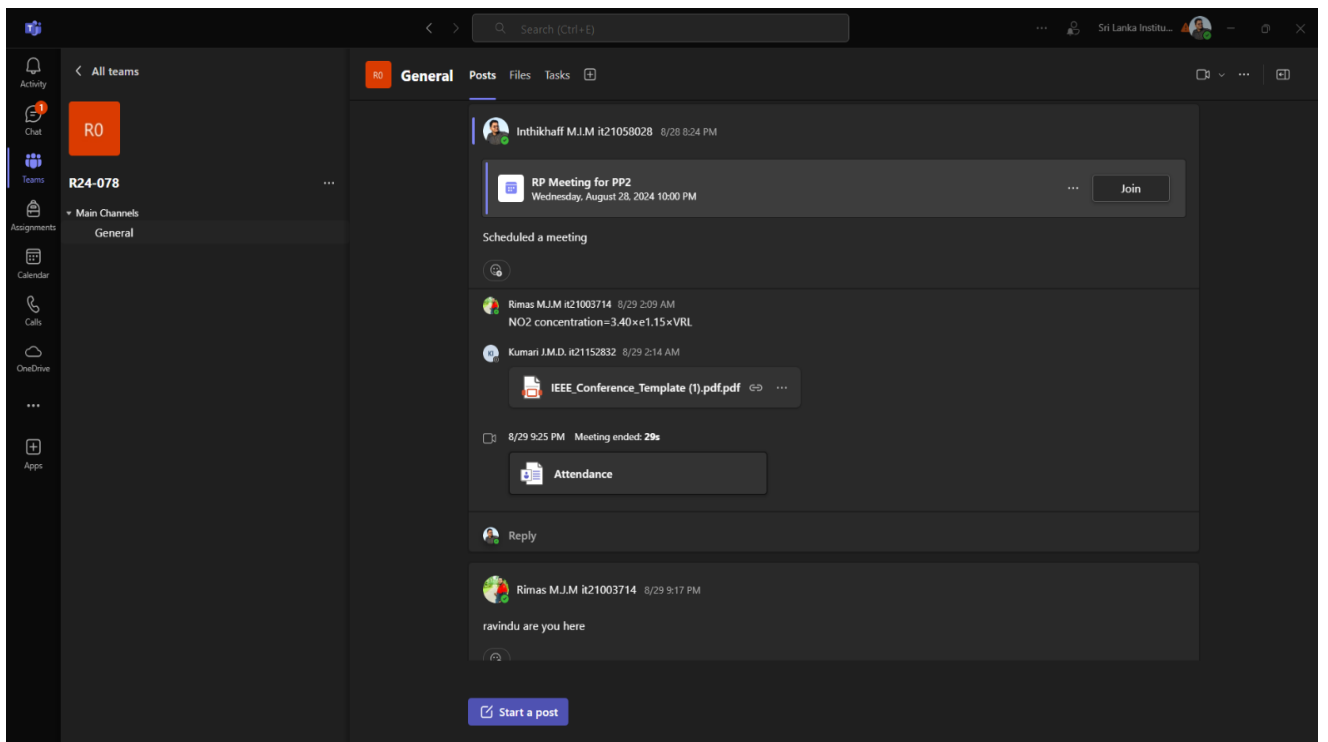


Fig. 14. Teams Call 6 with Research Team

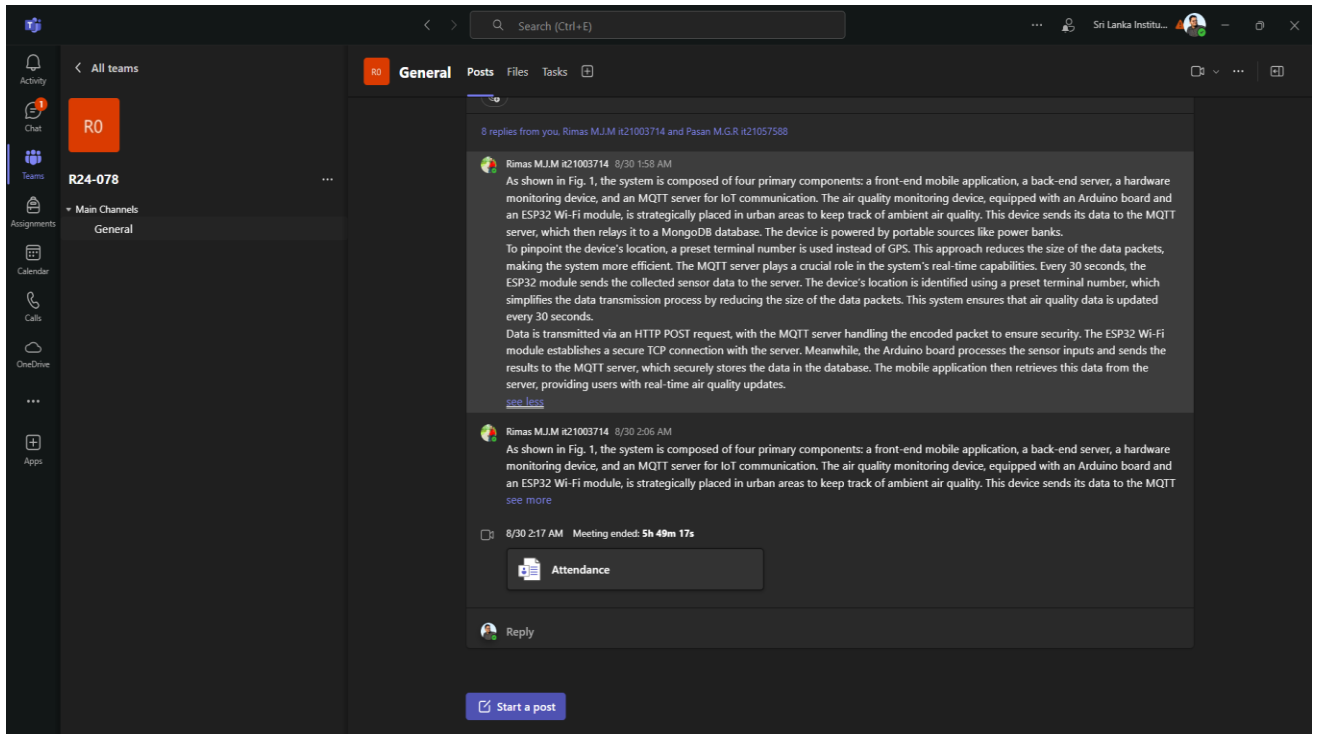


Fig. 15. Teams Call 6 with Research Team

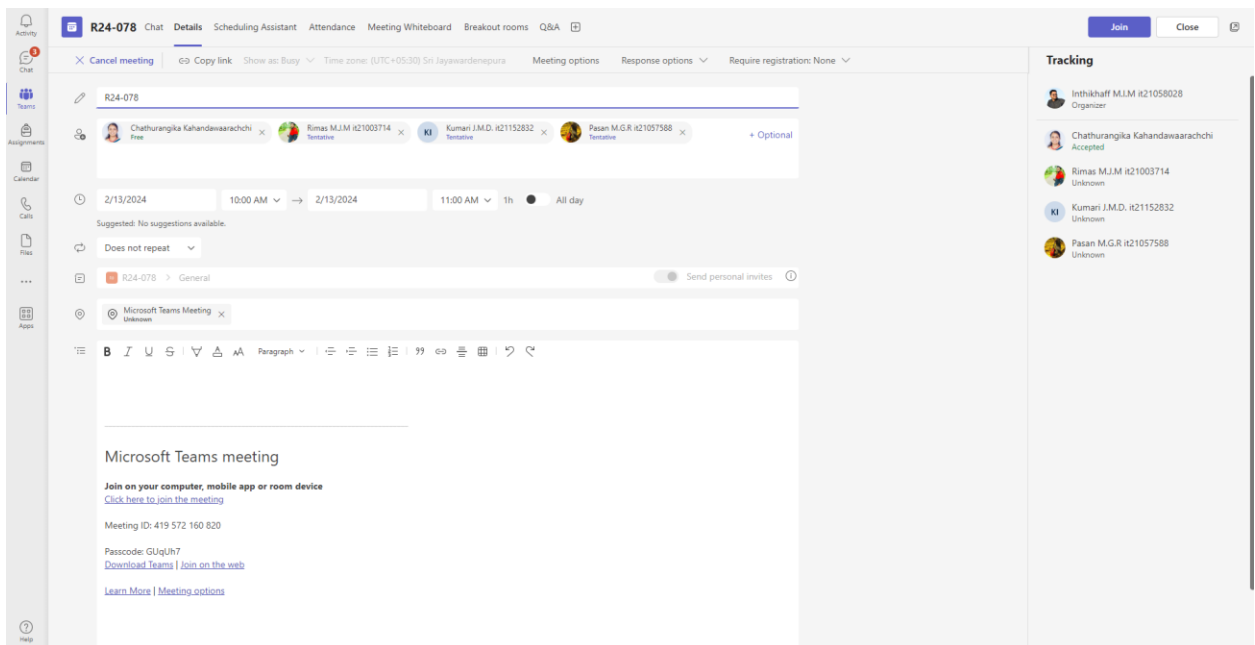


Fig. 16. Teams Call 8 with Research Team

## 2.2. MS Teams Call with Co-Supervisor

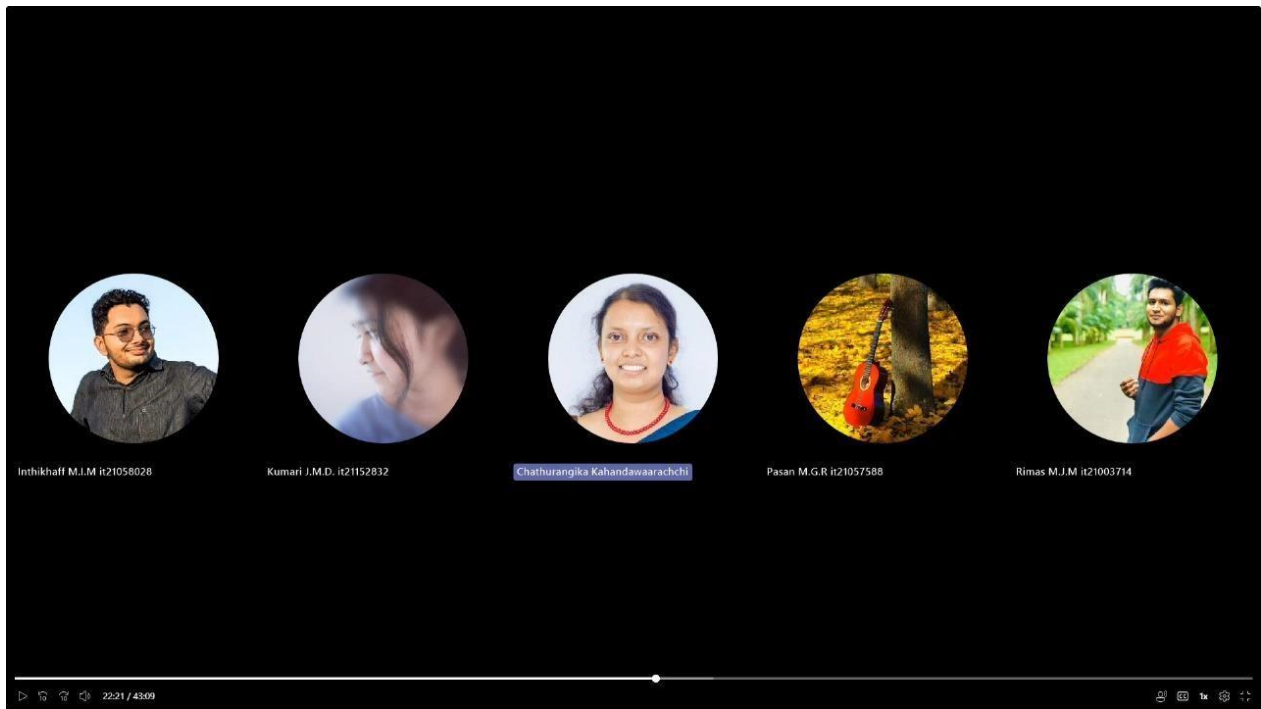


Fig. 11. Teams Call with Research Team Co-Supervisor

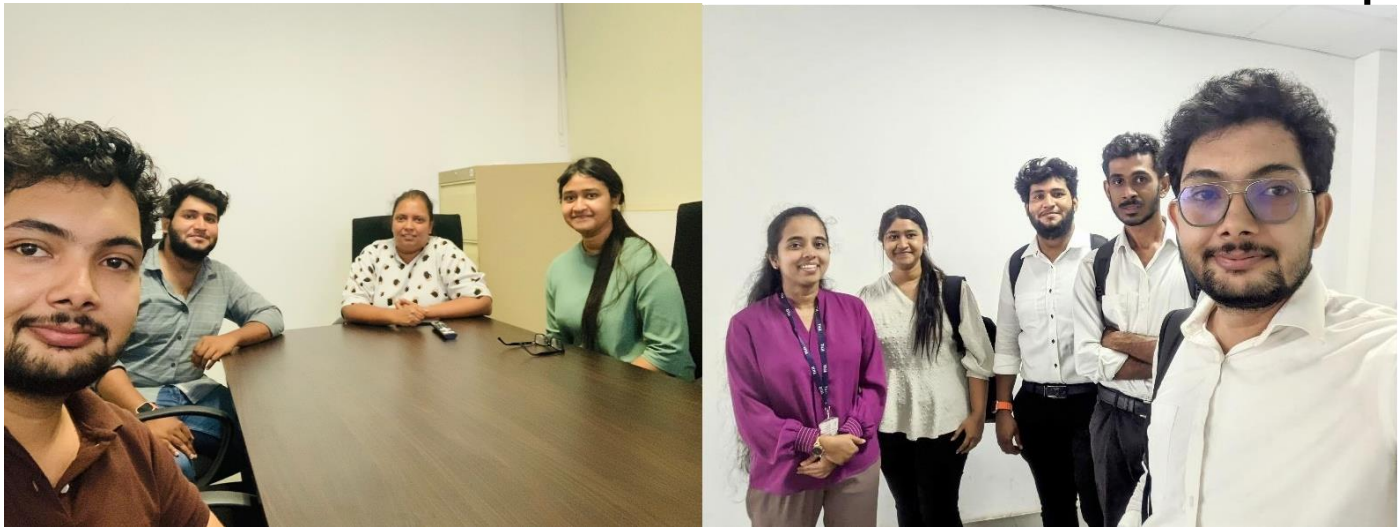


Fig. 12. Physically Meeting schedule with supervision

### 3. Teams Planner Charts

#### 3.1. MS Teams Planner Board

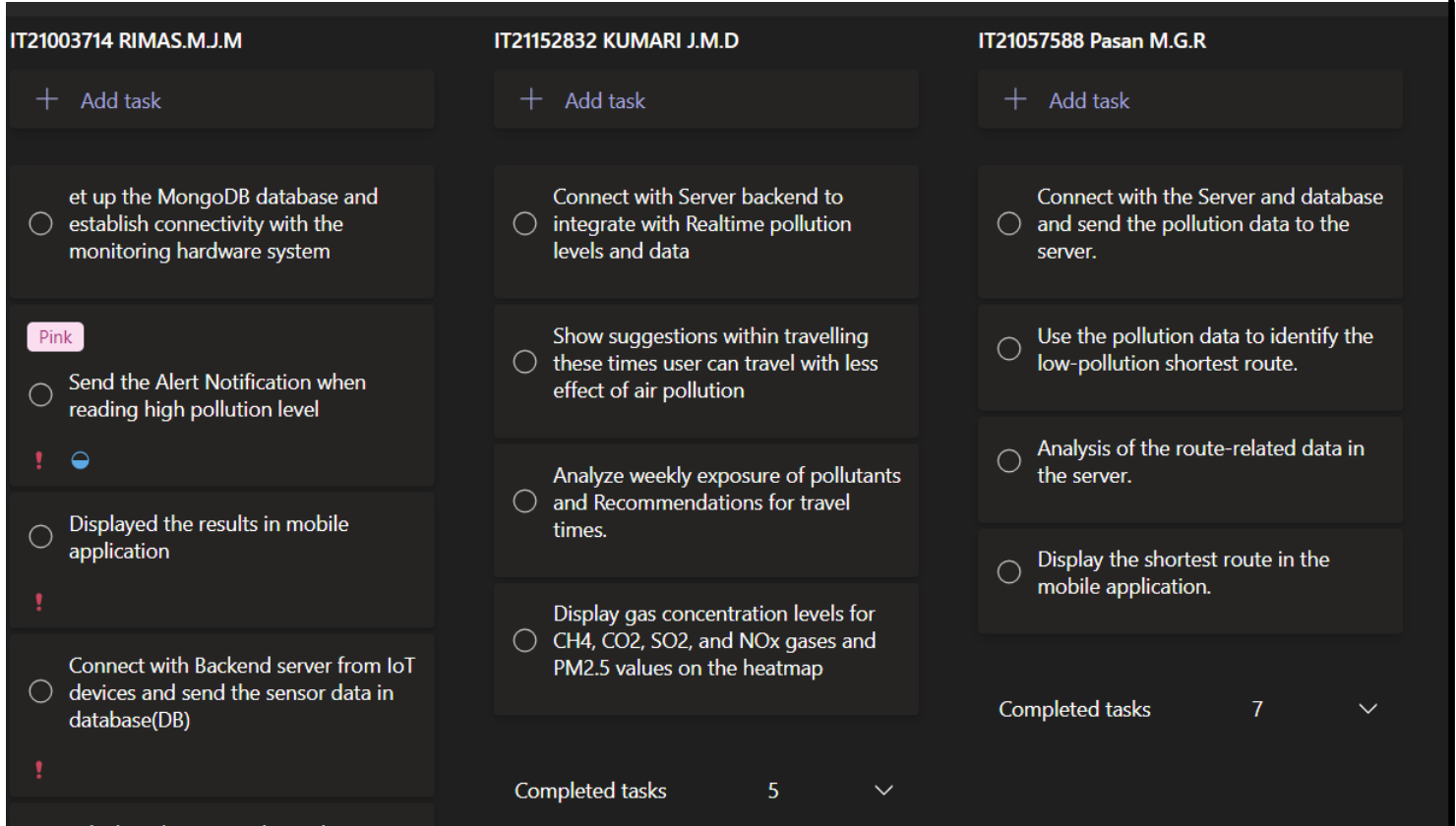


Fig. 13. Planner Board Part 1

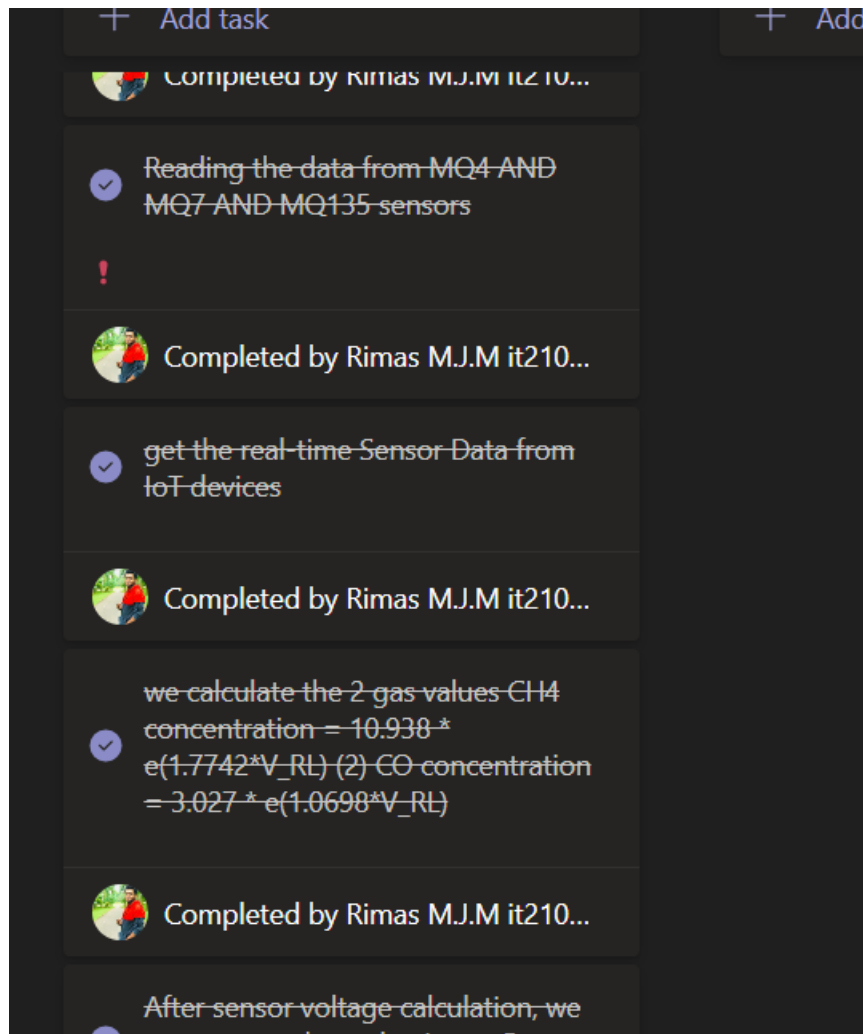


Fig. 14. Planner Board Part 2

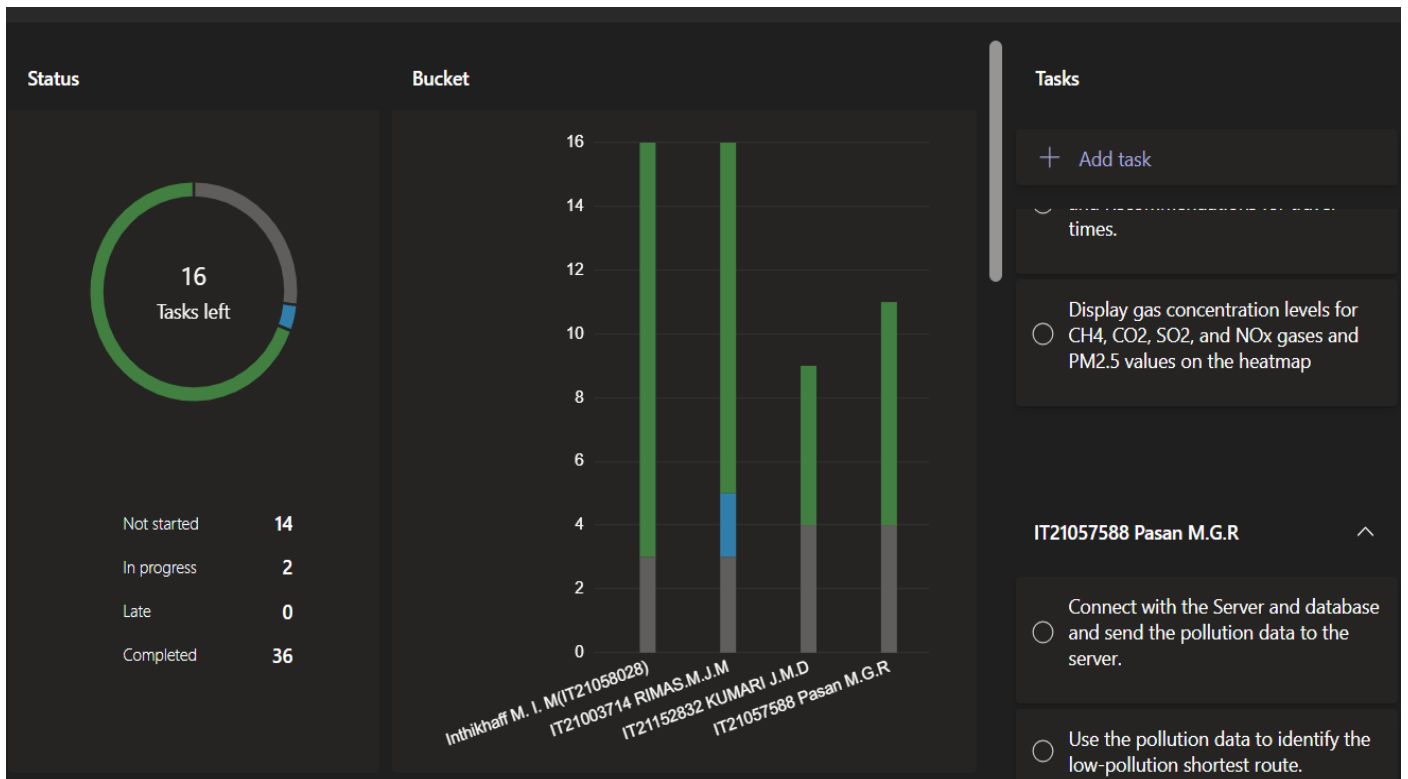


Fig. 15. Teams Planner Charts

Task title	Assigned to	Priority	Due	Bucket ↓
<input type="radio"/> Real-time Pollution Data and Comparison and Visualization.		!		Inthikhaff M. I. M(...
<input type="radio"/> et up the MongoDB database and establish connectivity with the monitoring...				IT21003714 RIMA...
<input type="radio"/> Send the Alert Notification when reading high pollution level	■ 🗓	!		IT21003714 RIMA...
<input type="radio"/> Displayed the results in mobile application		!		IT21003714 RIMA...
<input type="radio"/> Connect with Backend server from IoT devices and send the sensor data in d...		!		IT21003714 RIMA...
<input type="radio"/> calculate the sensor data values (PPM) concentration	🗓			IT21003714 RIMA...
<input type="radio"/> Connect with Server backend to integrate with Realtime pollution levels and ...				IT21152832 KUM...
<input type="radio"/> Show suggestions within travelling these times user can travel with less effec...				IT21152832 KUM...
<input type="radio"/> Analyze weekly exposure of pollutants and Recommendations for travel times.				IT21152832 KUM...
<input type="radio"/> Display gas concentration levels for CH4, CO2, SO2, and NOx gases and PM2...				IT21152832 KUM...
<input type="radio"/> Display the shortest route in the mobile application.				IT21057588 Pasa...
<input type="radio"/> Use the pollution data to identify the low-pollution shortest route.				IT21057588 Pasa...
<input type="radio"/> Analysis of the route-related data in the server.				IT21057588 Pasa...
<input type="radio"/> Connect with the Server and database and send the pollution data to the ser...				IT21057588 Pasa...

Fig. 16. Teams Planner Chart Bucket



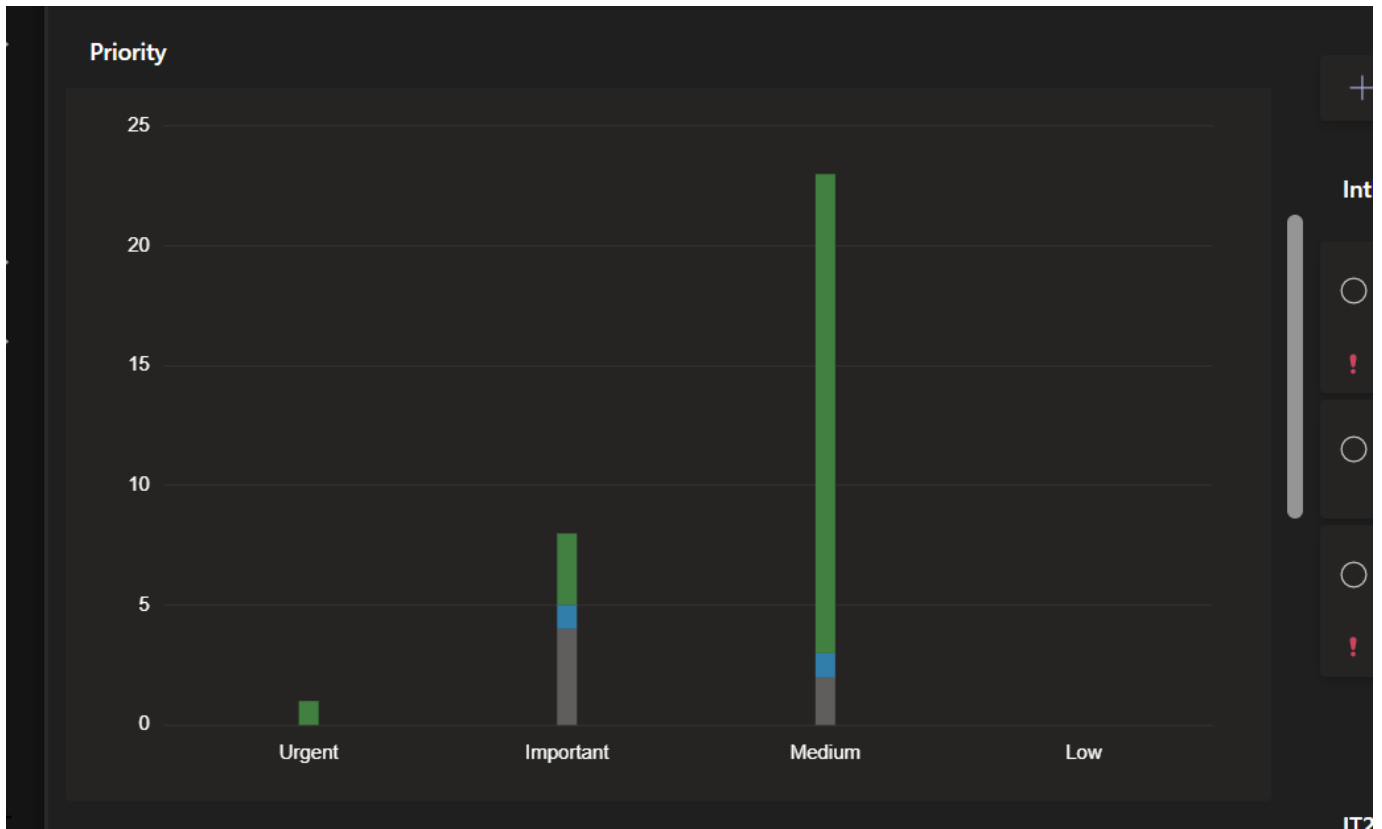


Fig. 17. Members Assigned Tasks

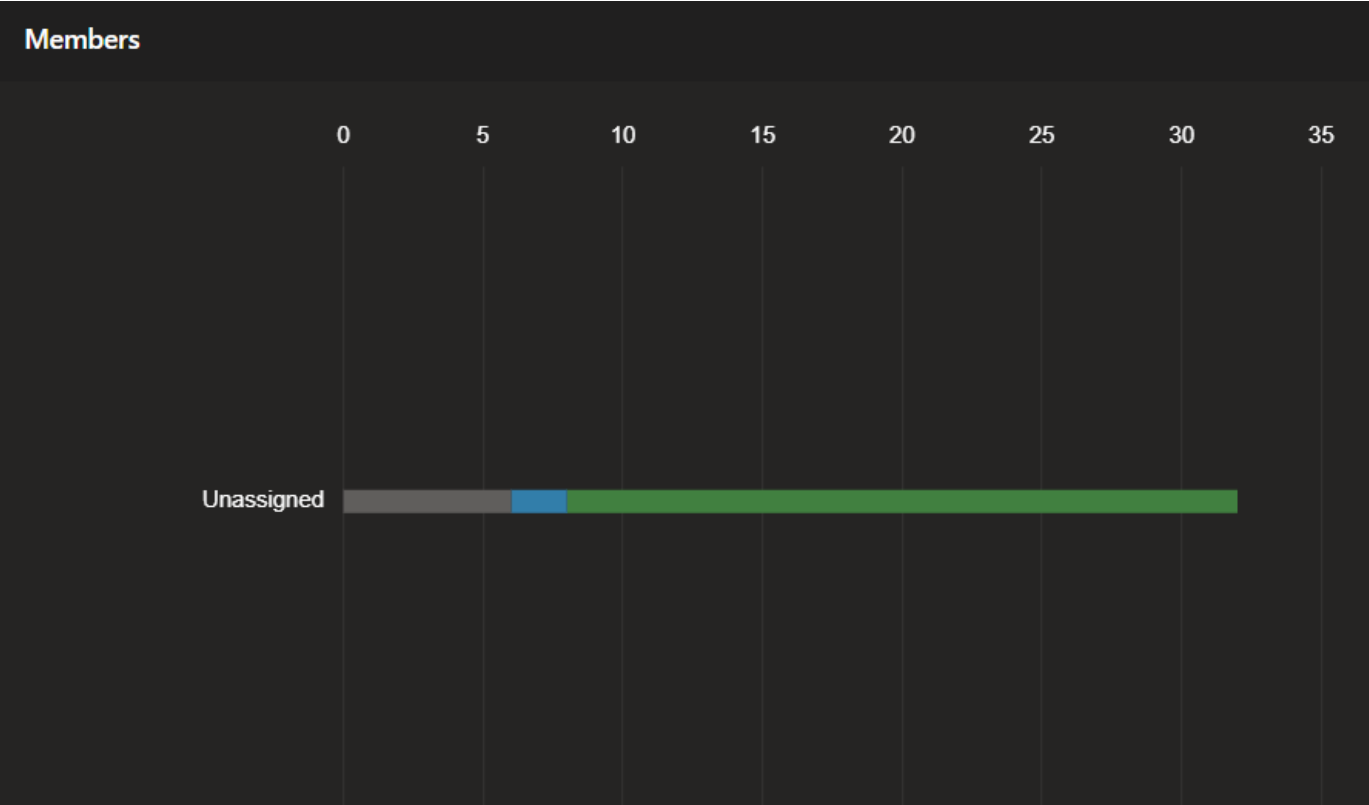


Fig. 18. Completed Task L

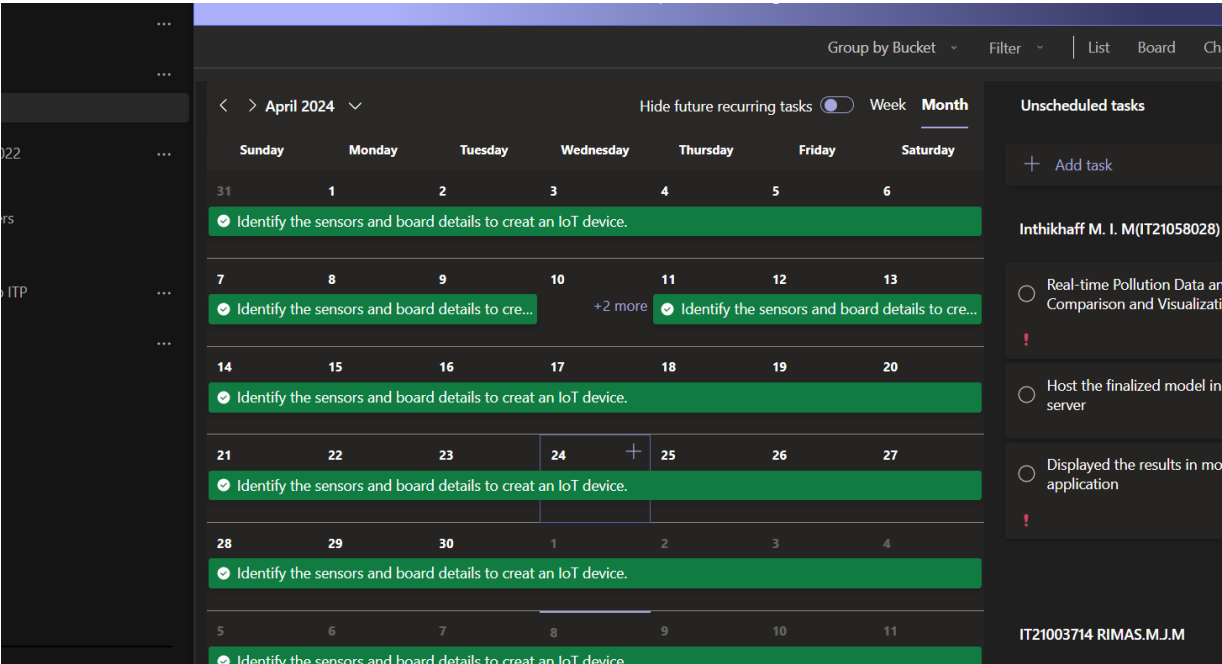


Fig. 19. Completed Task L

#### 4. Data Collections and field visits

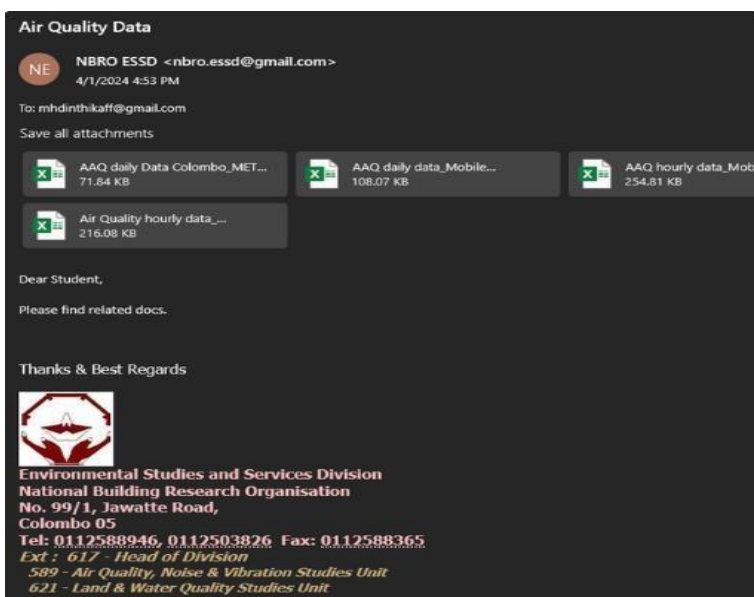


Fig. 20. Datasets

## 5. WhatsApp Group & Calls

### 5.1. Research Team WhatsApp Group Call

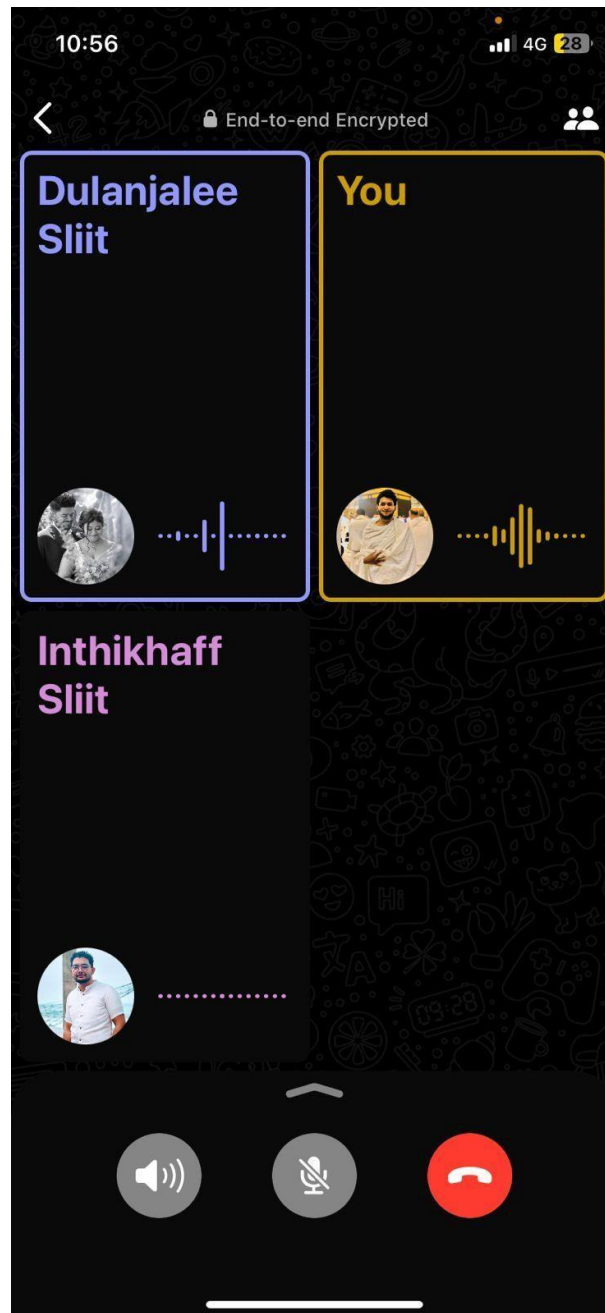


Fig. 21. Research Team WhatsApp Group Call

## 5.2. Research Team Group

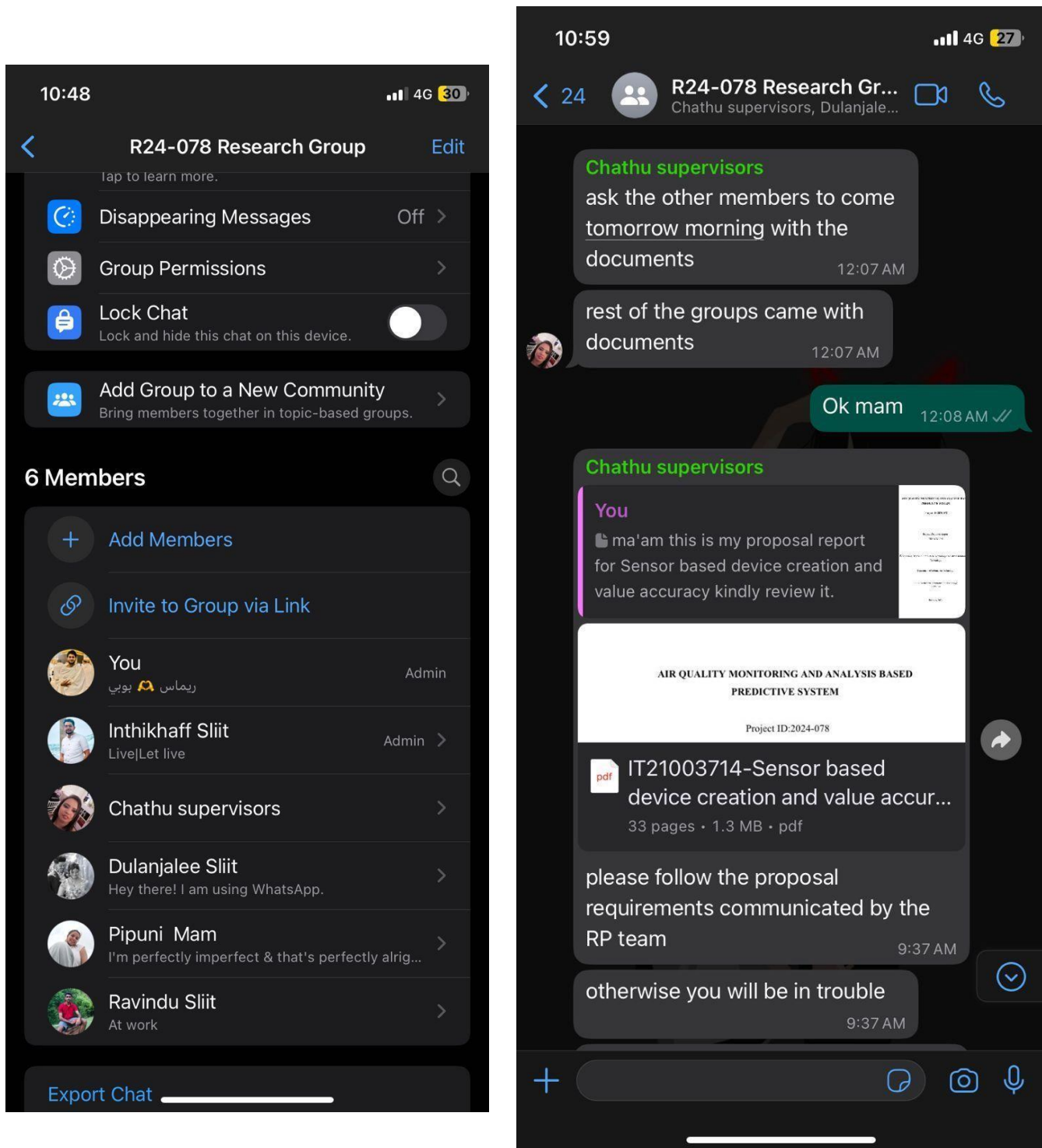


Fig. 22. Research Team WhatsApp Group Call

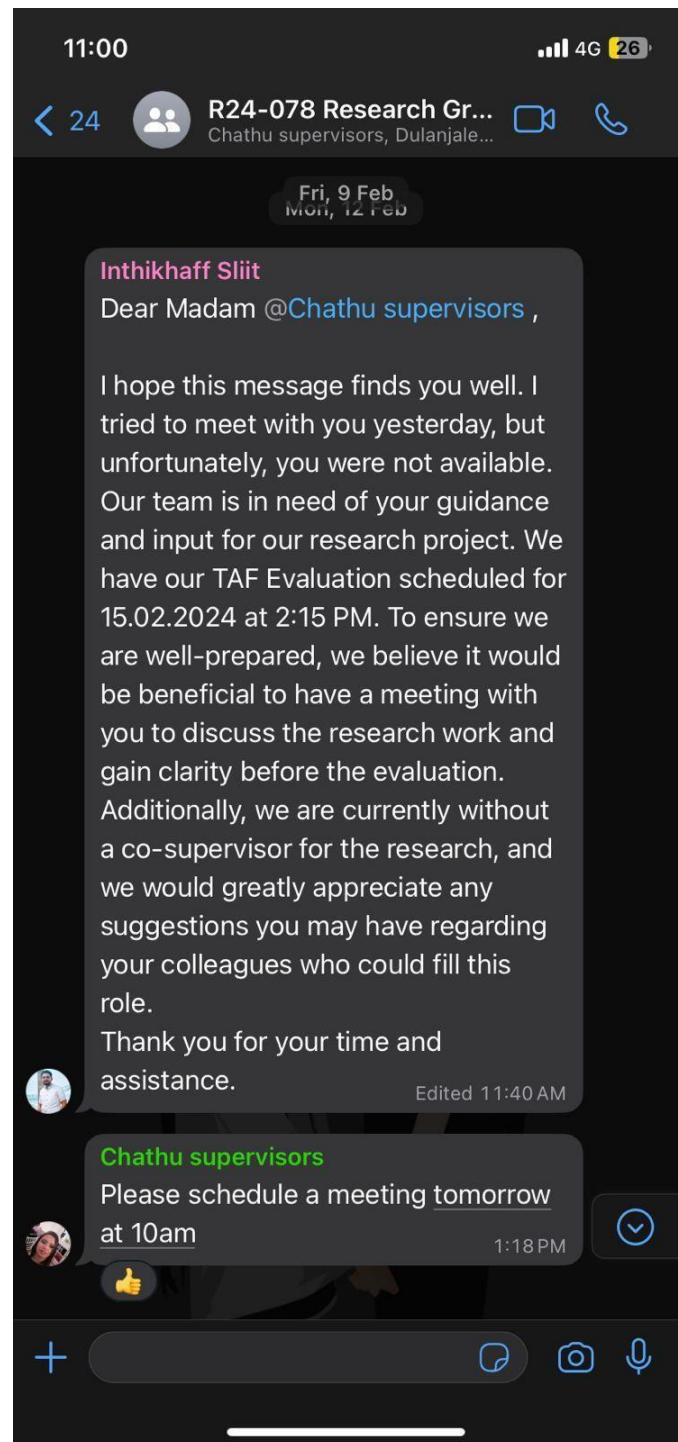
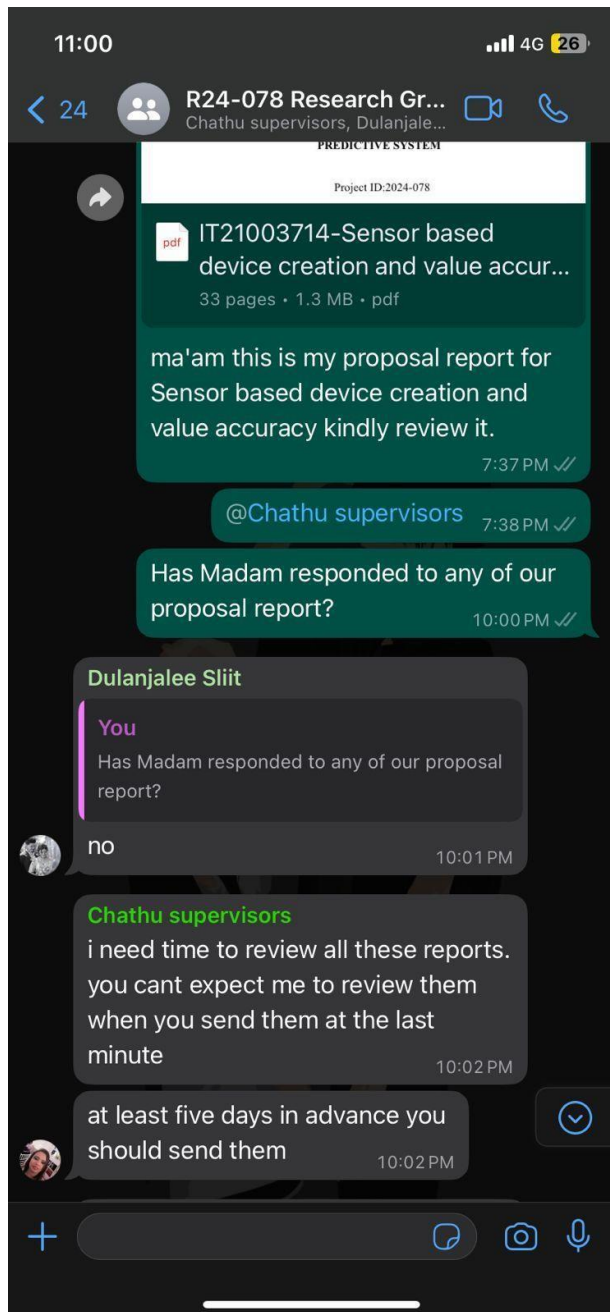


Fig. 23. Research Team Group

## 6. Work Breakdown Structure & Allocate Resources for Each Area.

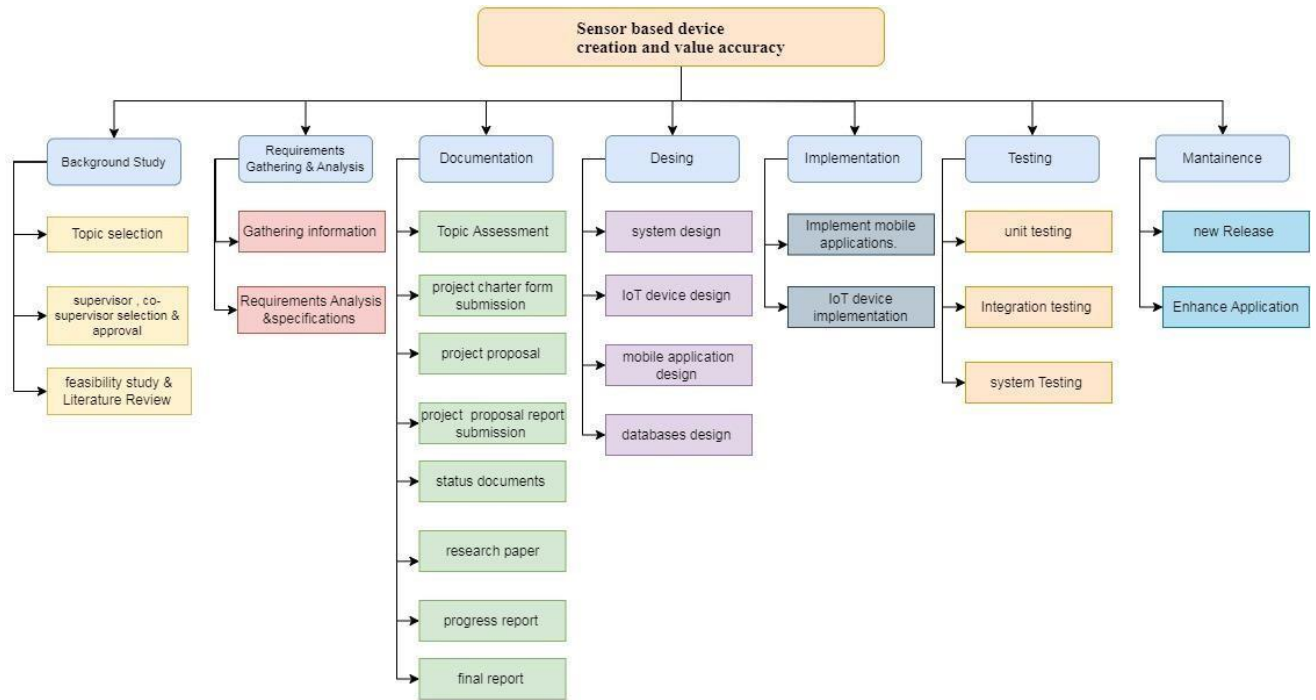


Fig. 24. Work Breakdown Chart



## 7. Gantt Chart of Finalize Design & Implementation Phase

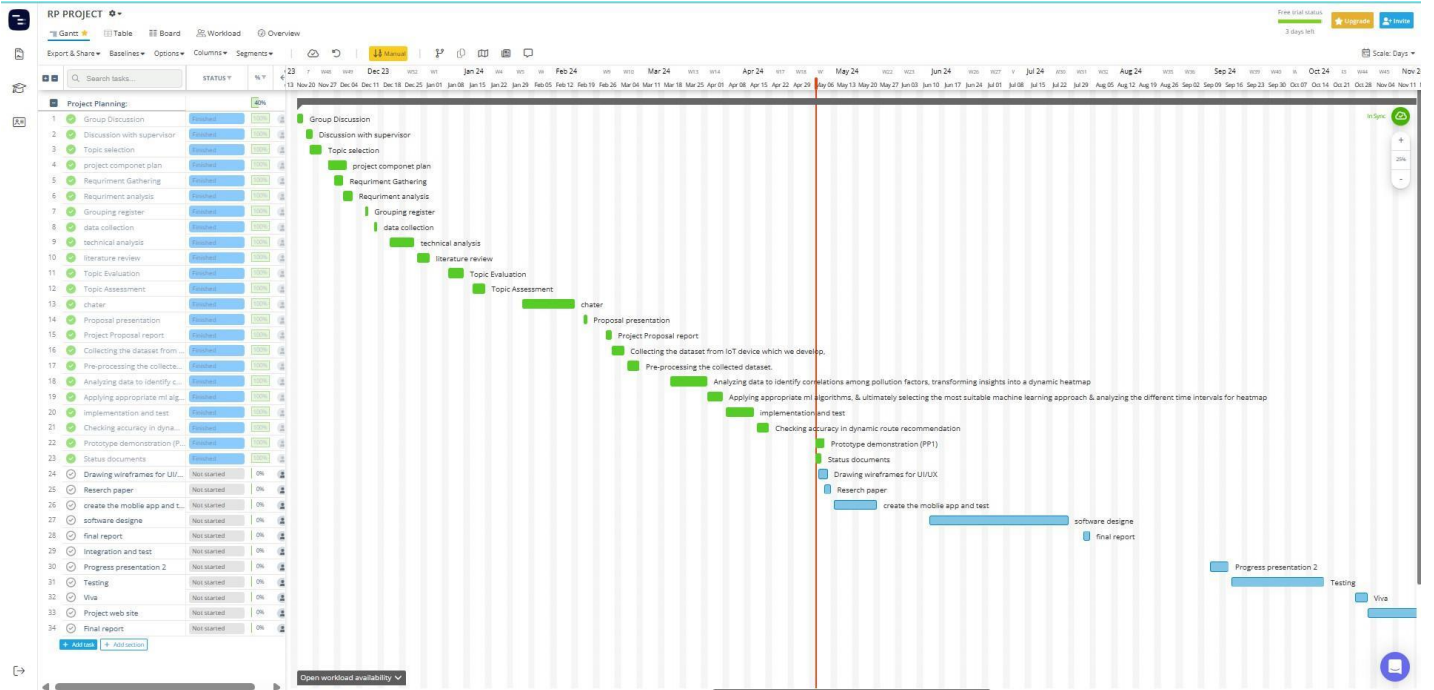


Fig. 25. Gantt Chart