

# **EMOTION RECOGNITION AND SENTIMENT ANALYSIS FOR RELATIONSHIP IMPROVEMENT.**

**TMP-2023-24-133**

**Status Document - 1  
IT20648886 - N.K.A.S Dilshan**

**Supervisor: Dr. Dilshan De silva  
Co- supervisor: Mr. Samitha Vidhanaarachchi**

**B.Sc. (Hons) Degree in Information Technology  
Department of Computer Science**

**Sri Lanka Institute of Information Technology Sri Lanka.**

# Table of Contents

01.	Screenshots of the chats and calls in MS Teams and WhatsApp.	4
02.	Work breakdown structure and allocated resources for each area.	7
03.	MS Teams planner charts	15
04.	Gantt chart of finalize design and implementation phases.	17
05.	Data collection.	18

Table of Figures

Figure 1.1: Chats in the MS Teams.....4

Figure 1.2: Meeting with the Co – Supervisor .....4

Figure 1.3: Screenshots of the supervisor and group message .....5

Figure 1.4: Meeting with the group members.....6

Figure 2.1: WBS and completion. ....7

Figure 2.2: Allocated Task. ....8

Figure 2.3: Allocated Task. ....9

Figure 2.4: Allocated Task. ....13

Figure 2.5: Allocated Task. ....14

Figure 2.6: Allocated Task.....12

Figure 2.7: Allocated Task.....13

Figure 2.8: Allocated Task.....14

Figure 3.1: Teams Planner Chart..... 15

Figure 4.1: WBS and completion. .... 16

Figure 5.1: Data collection. .... 17

## 01.Screenshots of the chats and calls in MS Teams and WhatsApp.

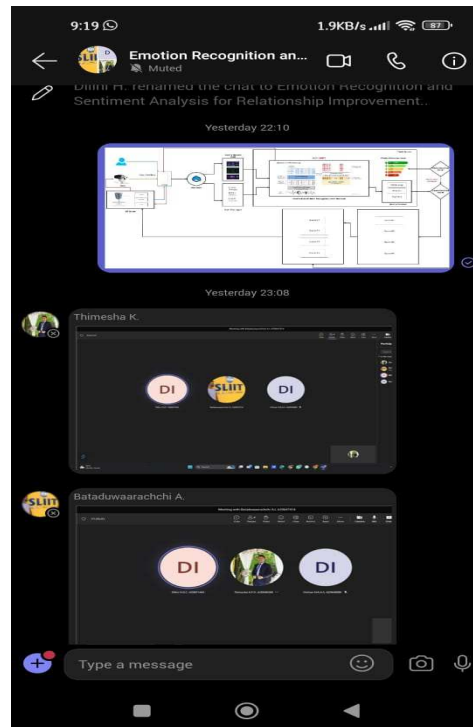


Figure 1.1: Chats in the MS Teams

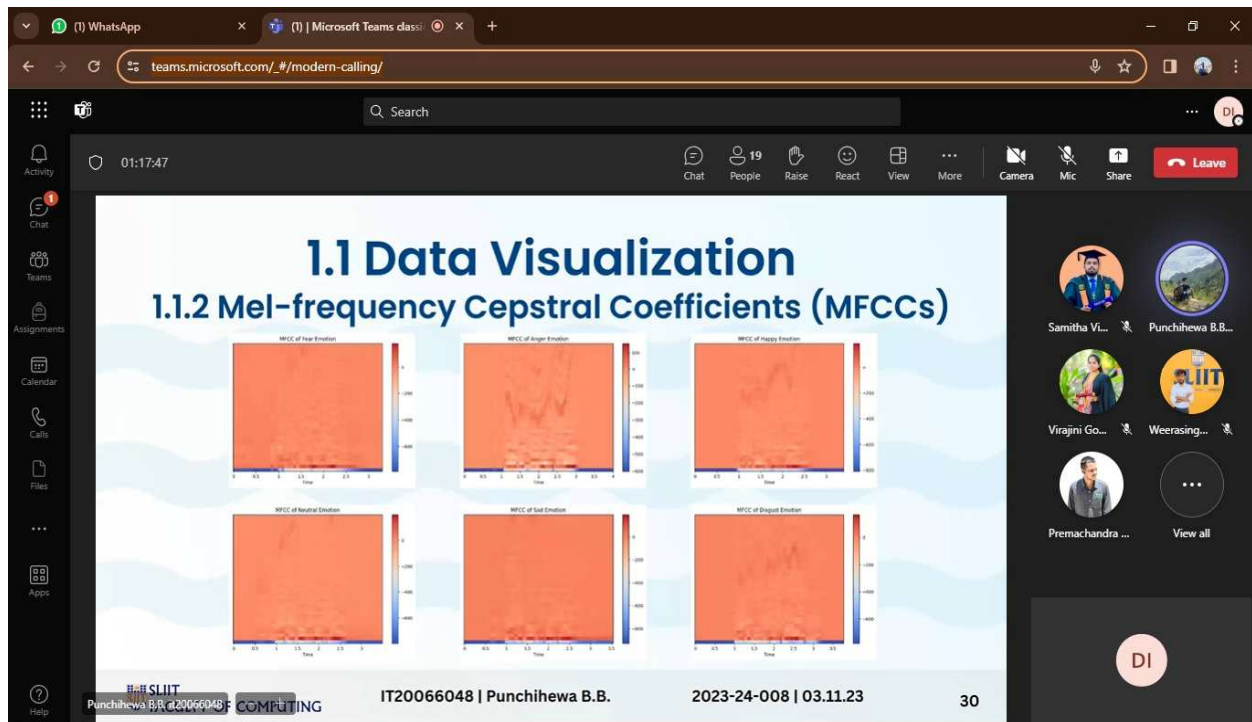


Figure 1.2: Meeting with the Co – Supervisor

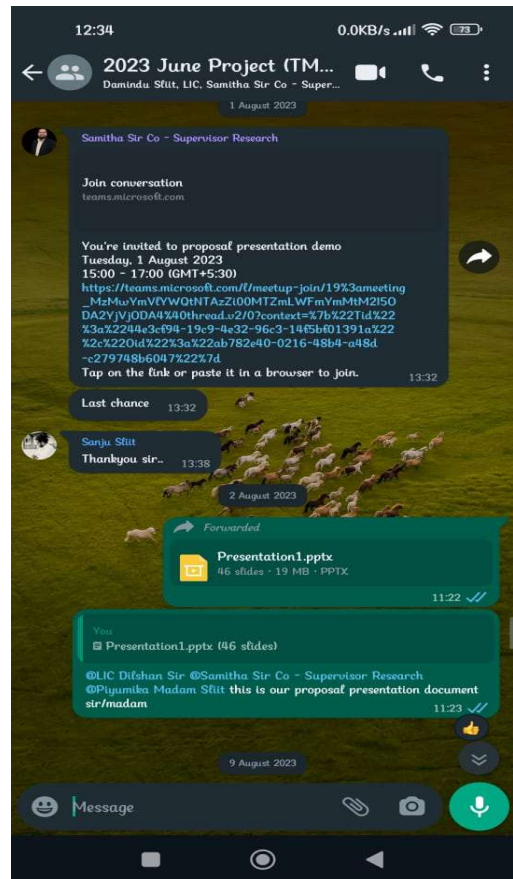
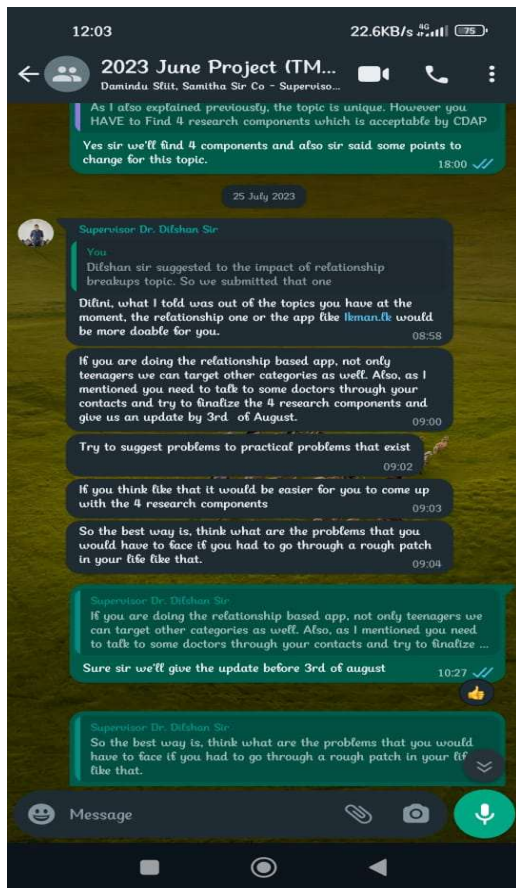


Figure 1.3: Screenshots of the supervisor and group message the MS WhatsApp.

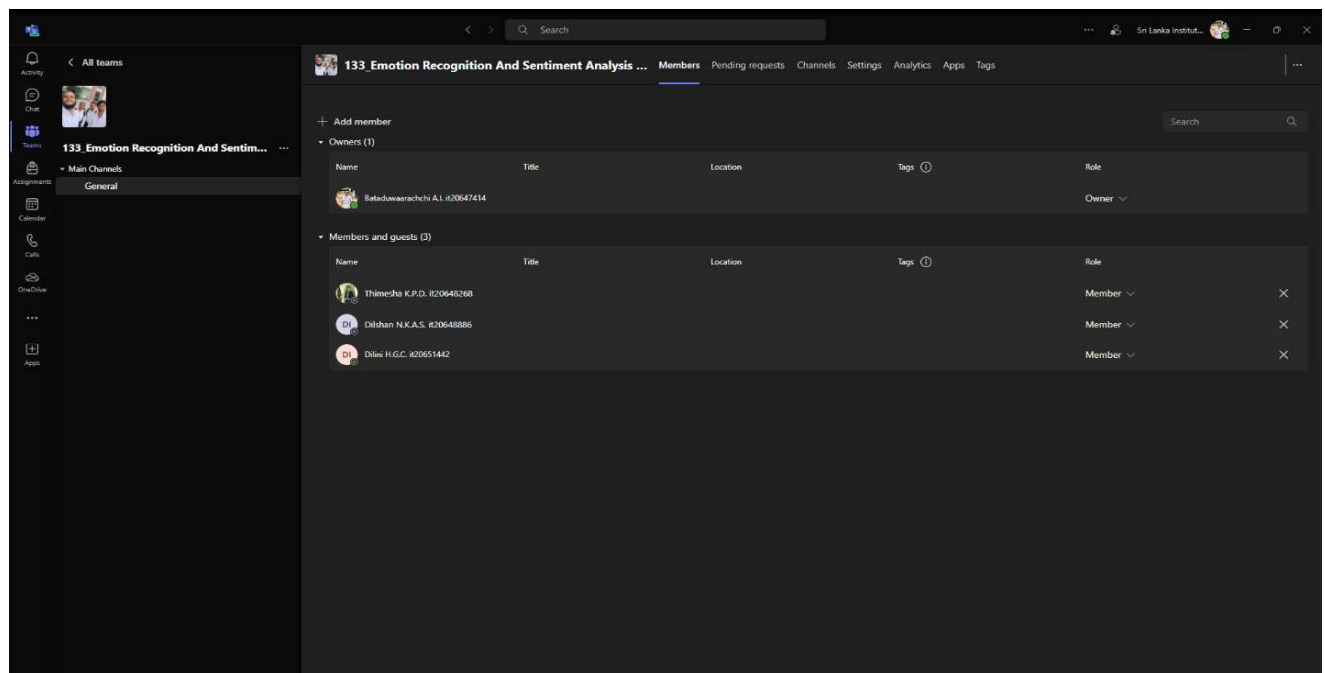
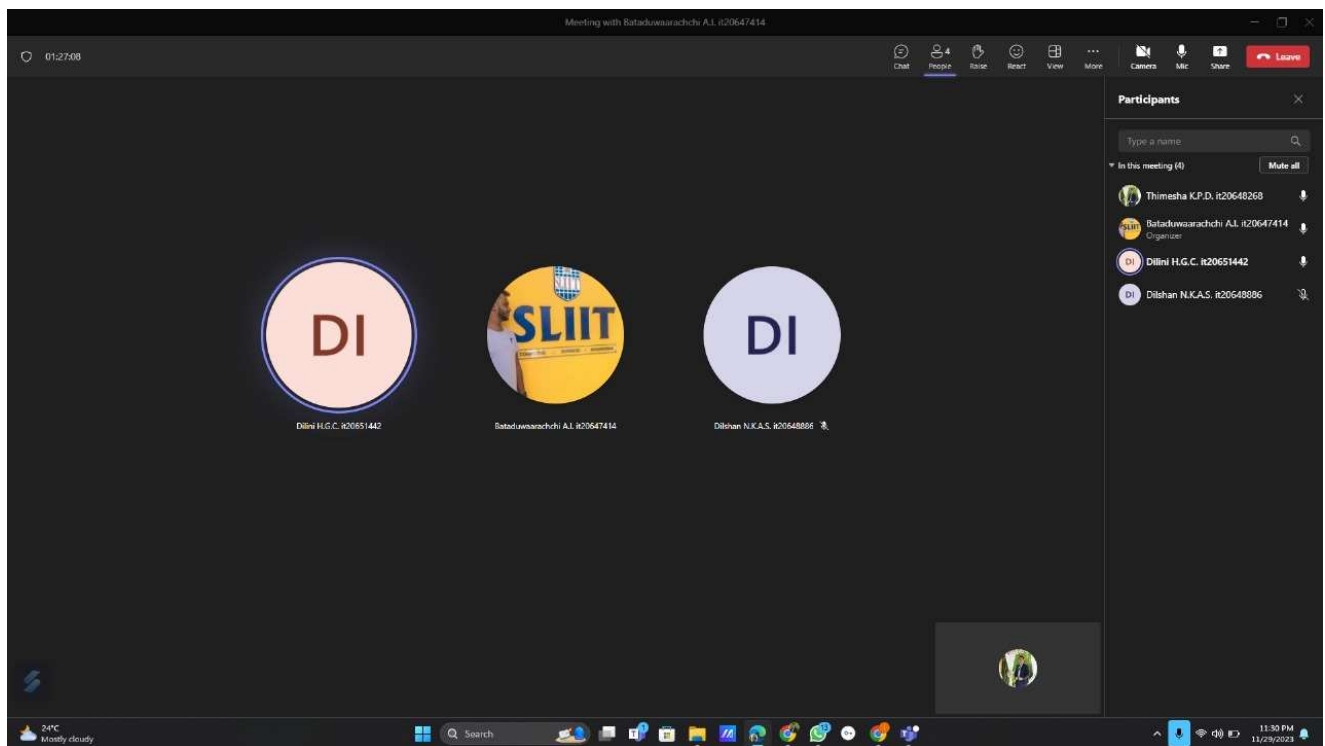


Figure 1.4: Meeting with the group members.

## 02. Work breakdown structure and allocated resources for each area.

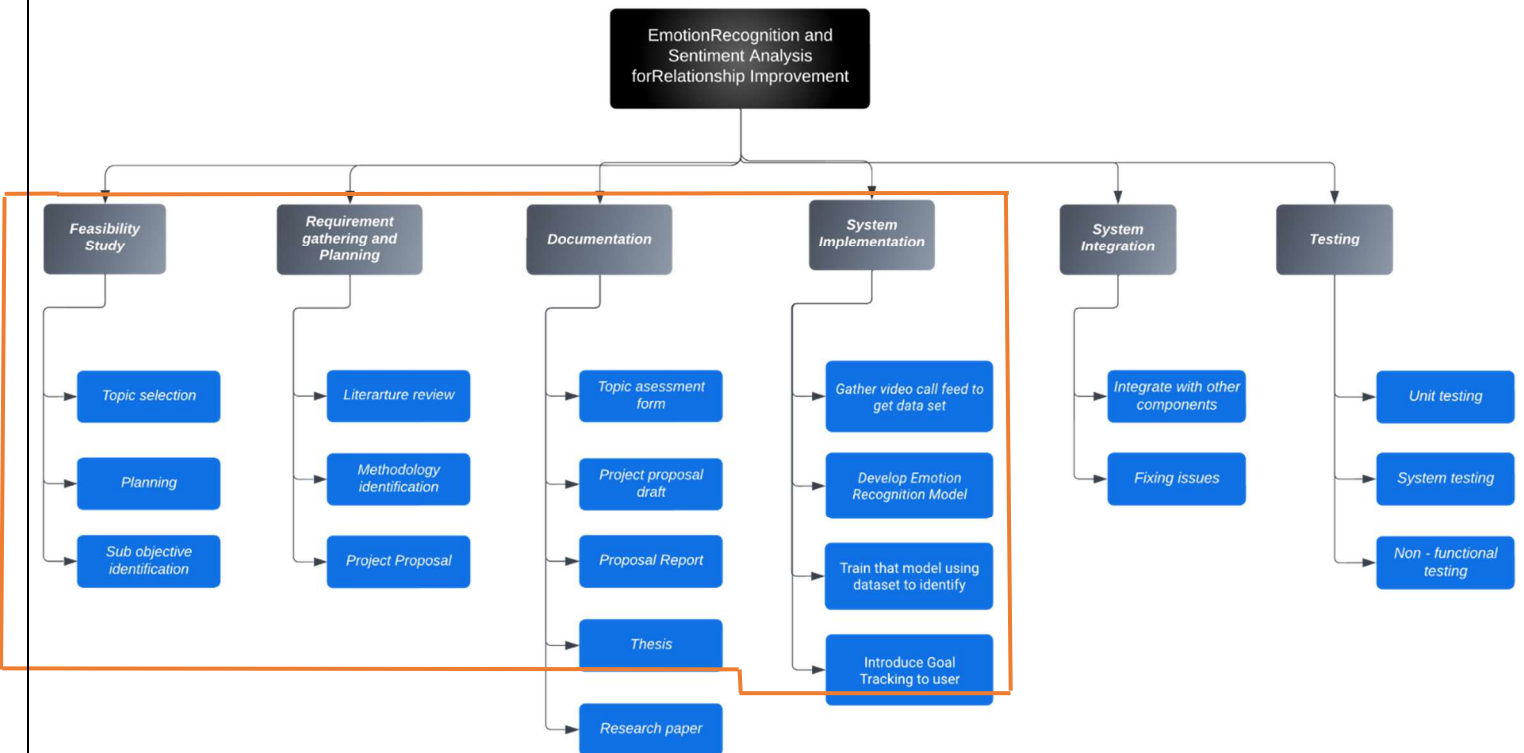


Figure 2.1: WBS and completion.

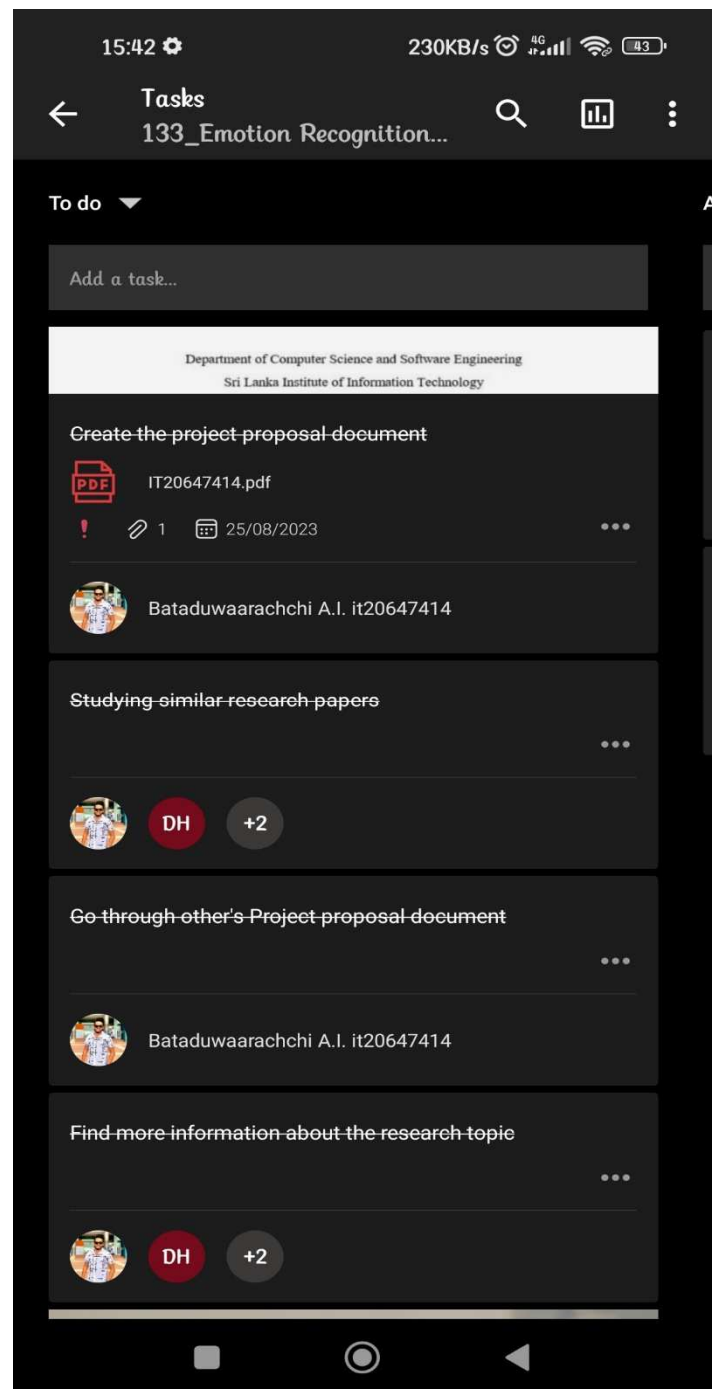
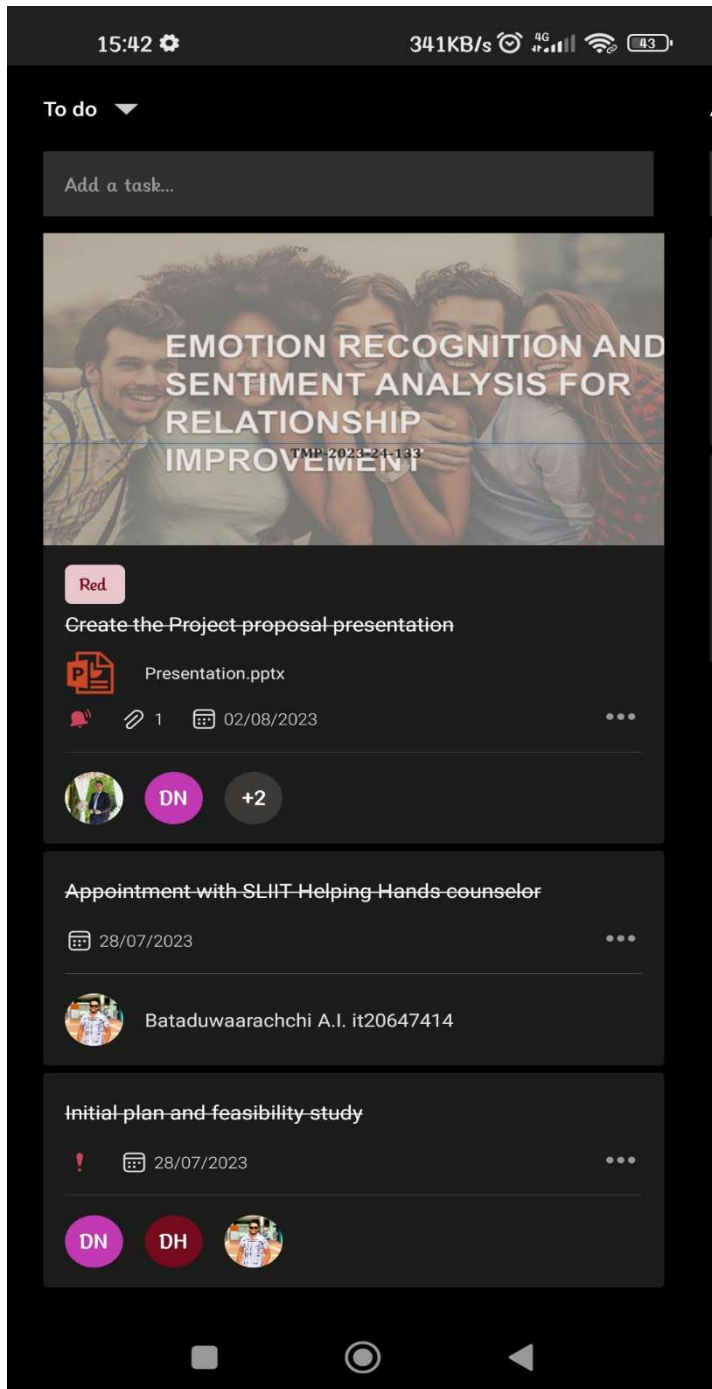


Figure 2.2: Allocated Task.



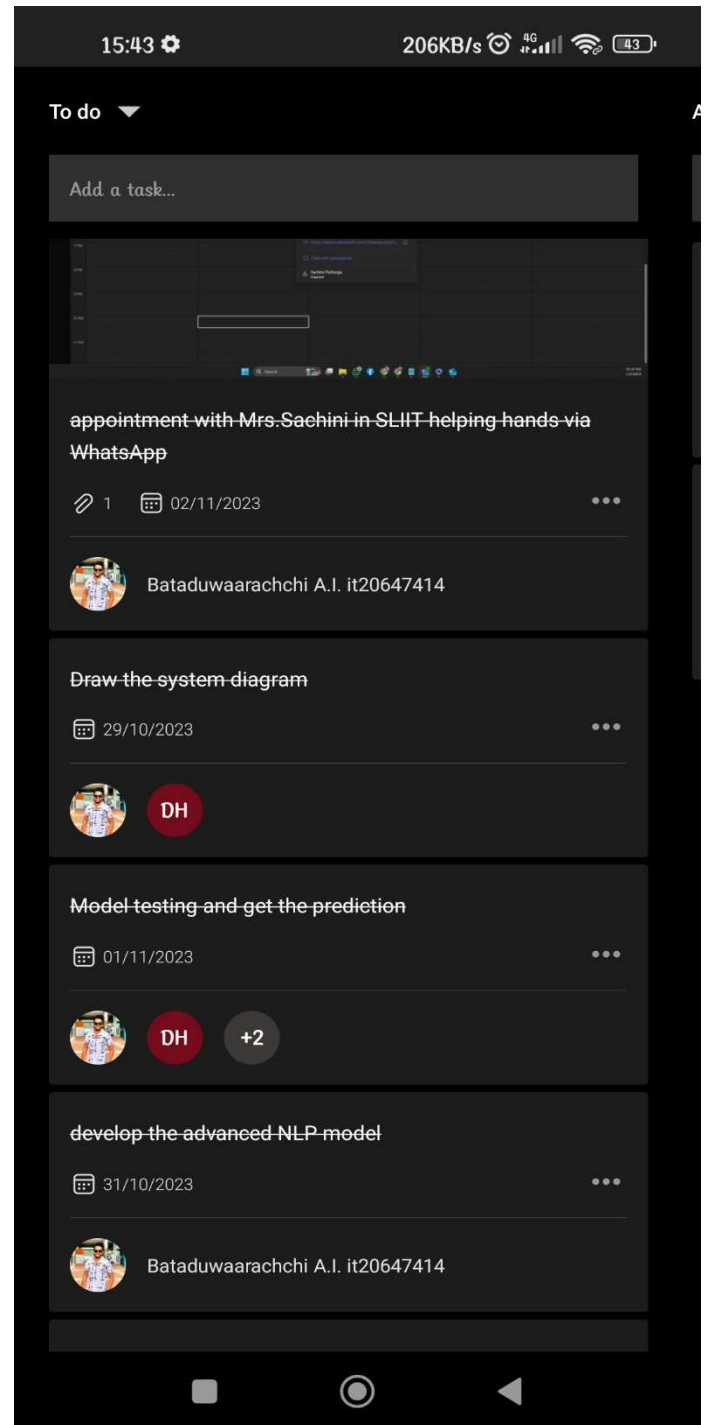
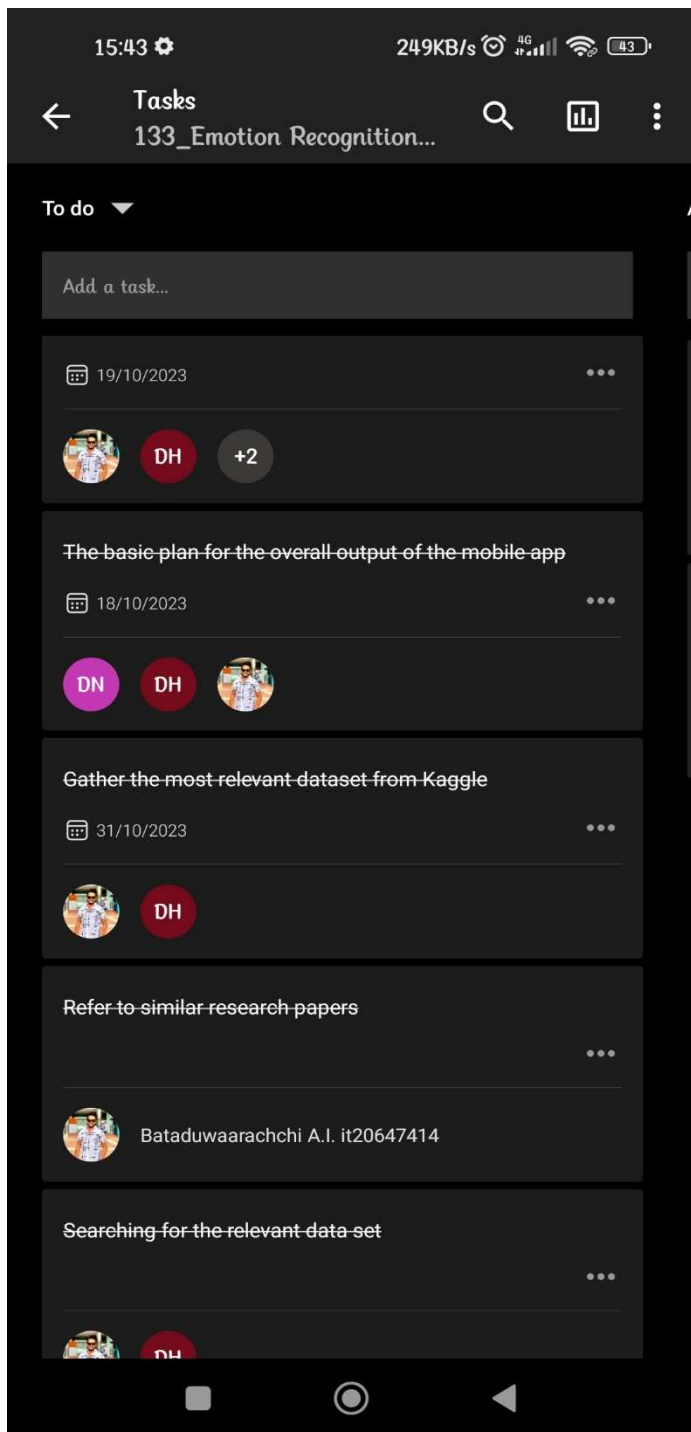


Figure 2.3: Allocated Task.

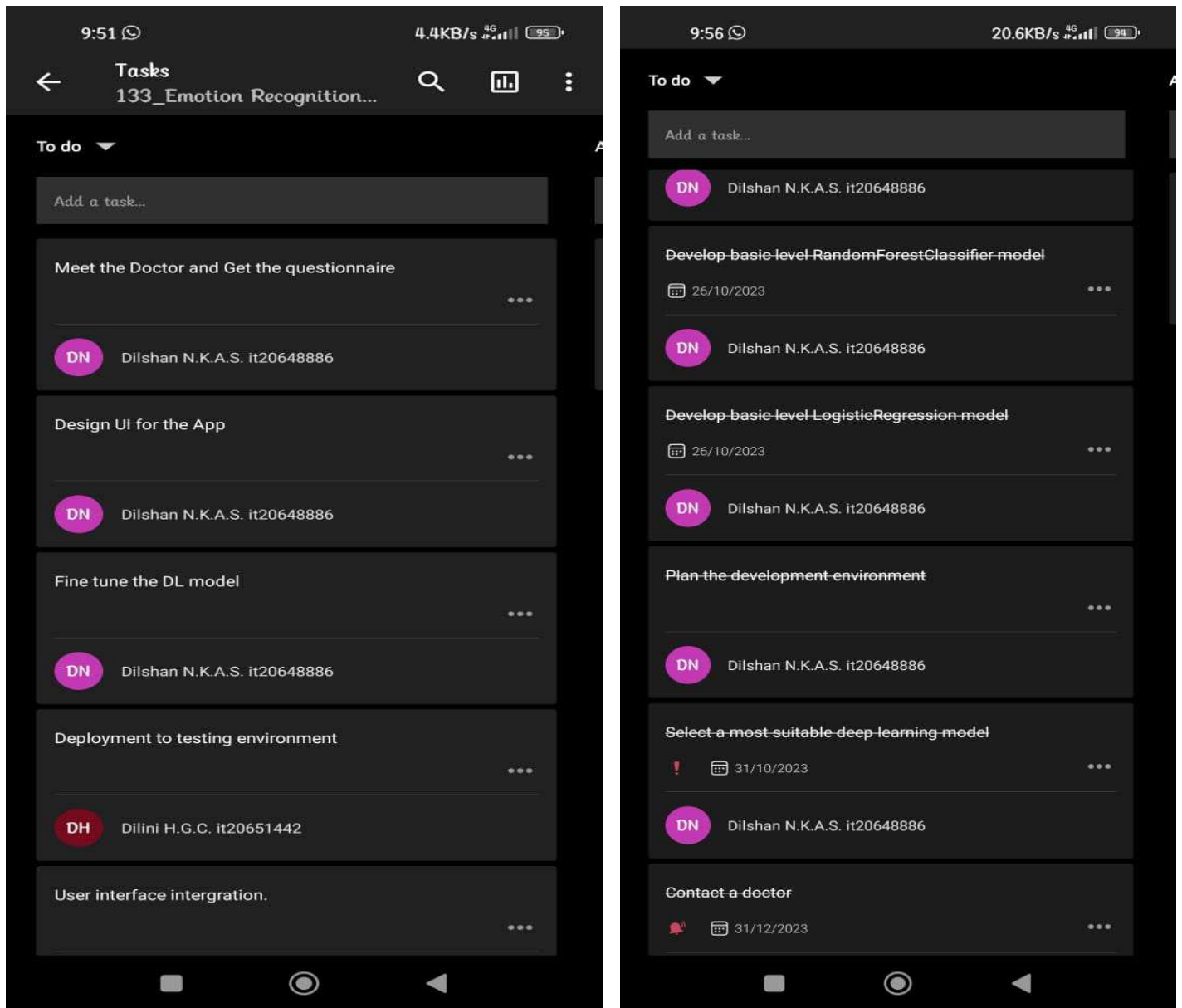


Figure 2.4: Allocated Task.

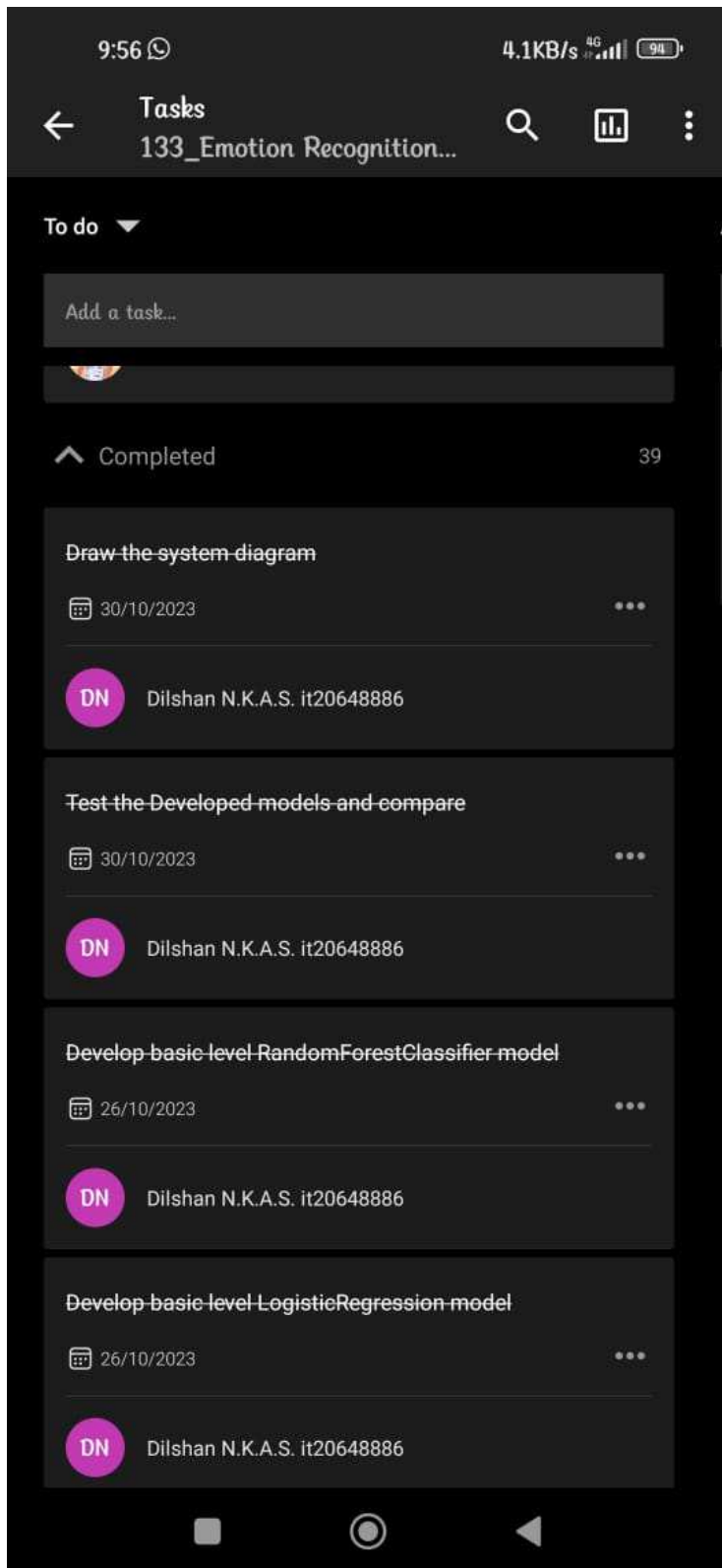


Figure 2.5: Allocated Task.

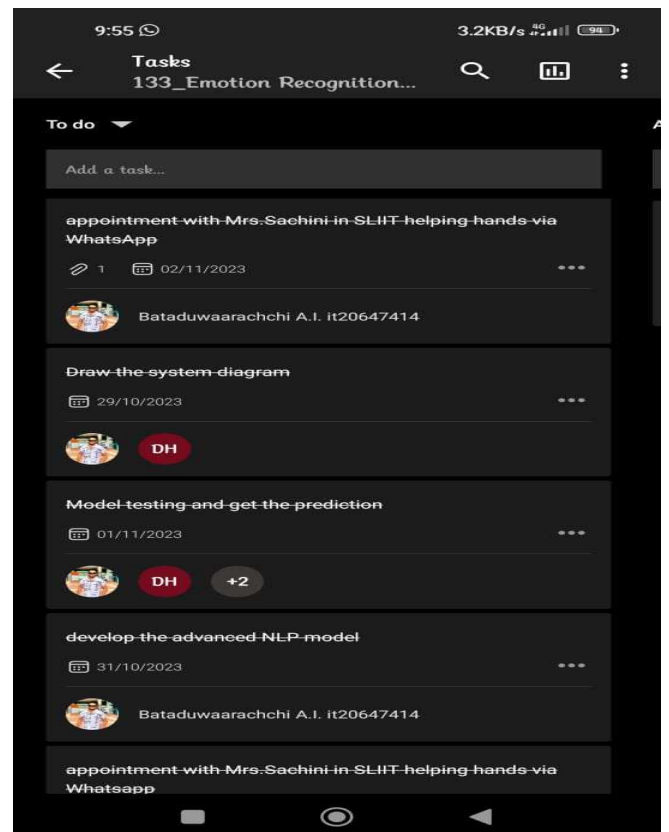
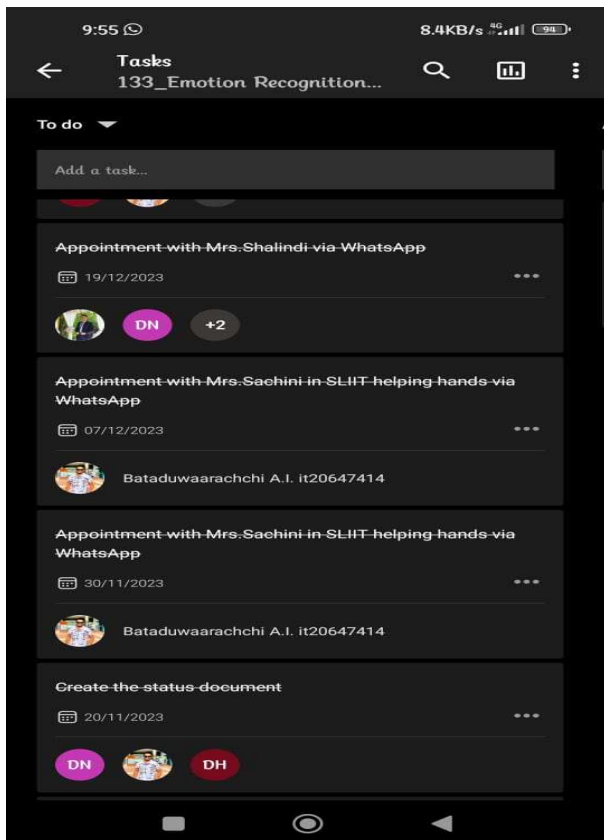
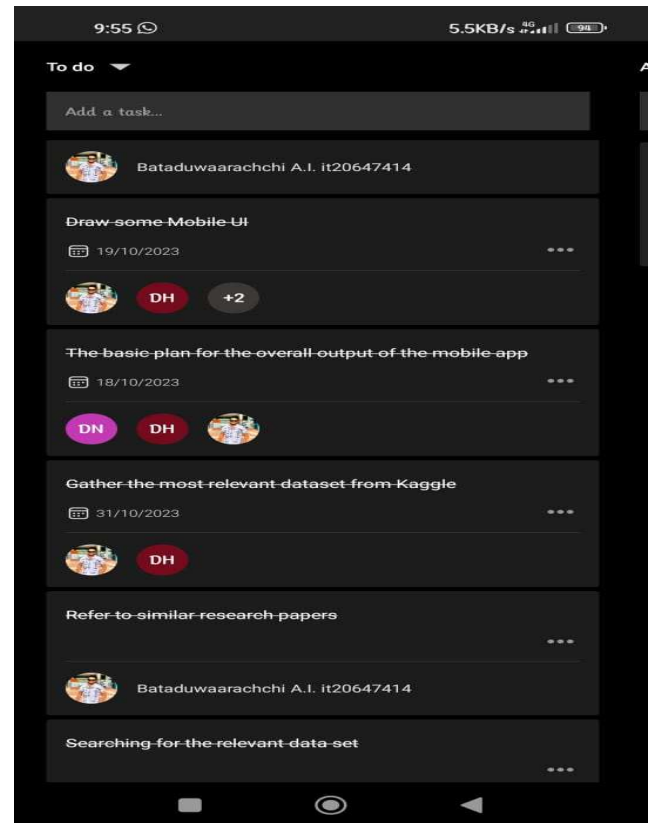
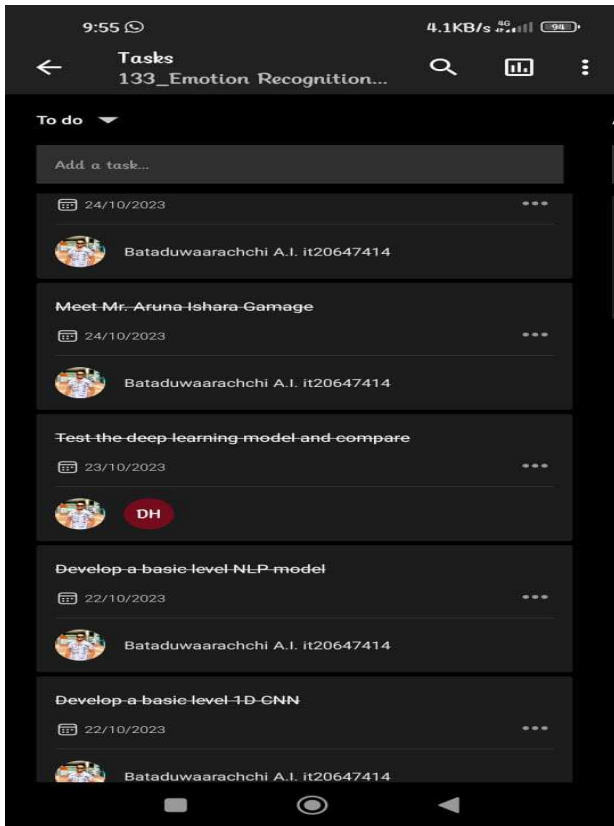


Figure 2.6: Allocated Task.

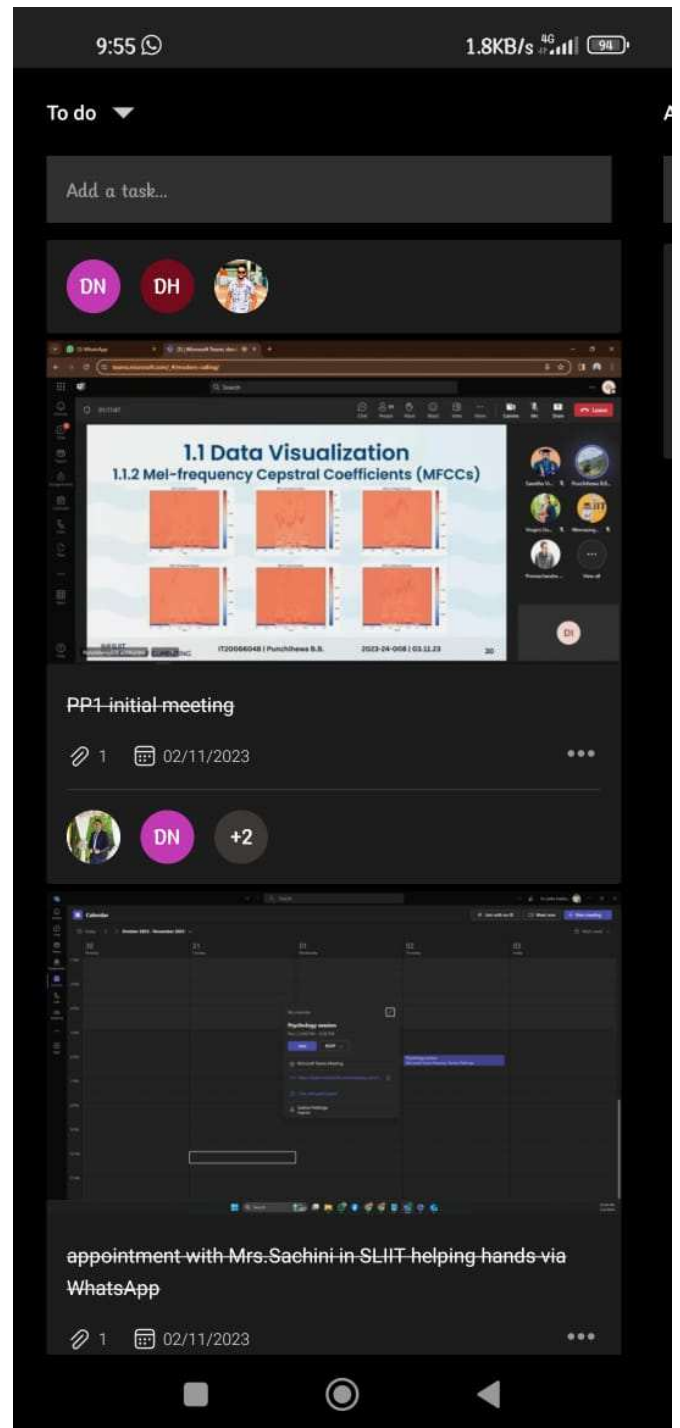
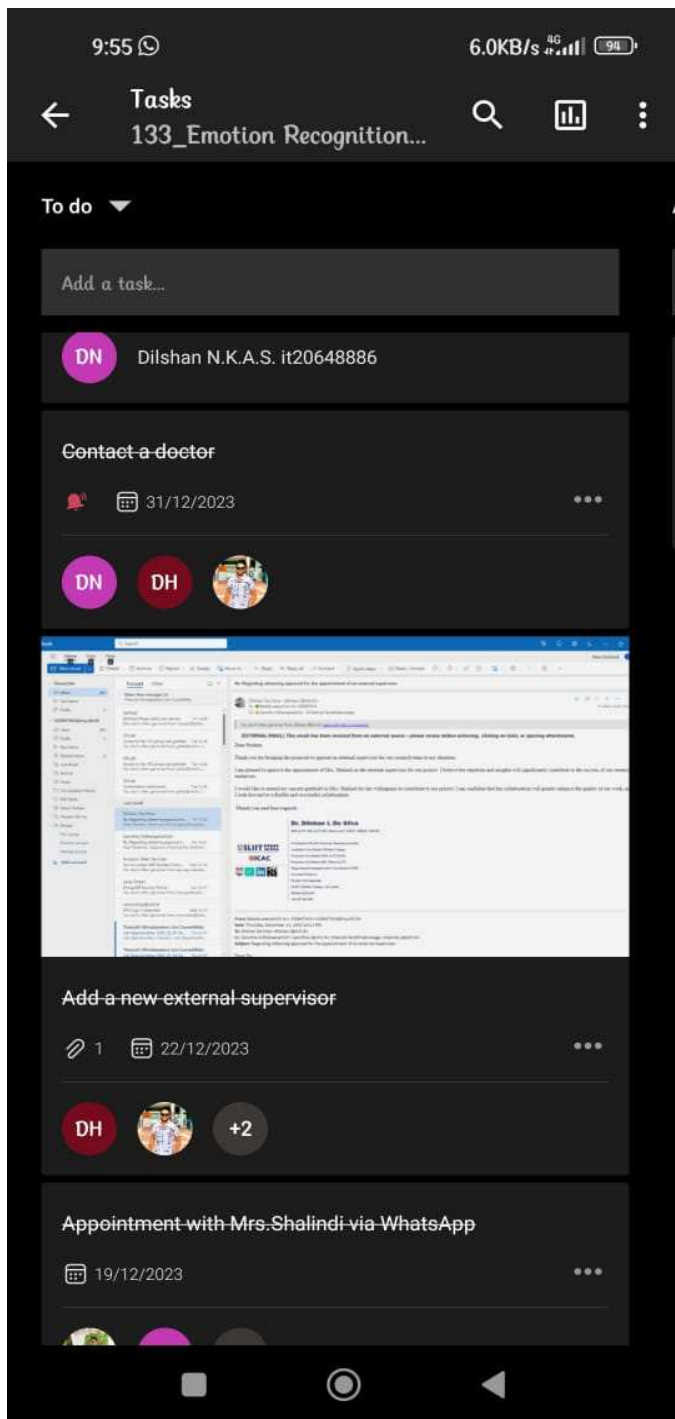


Figure 2.7: Allocated Task.

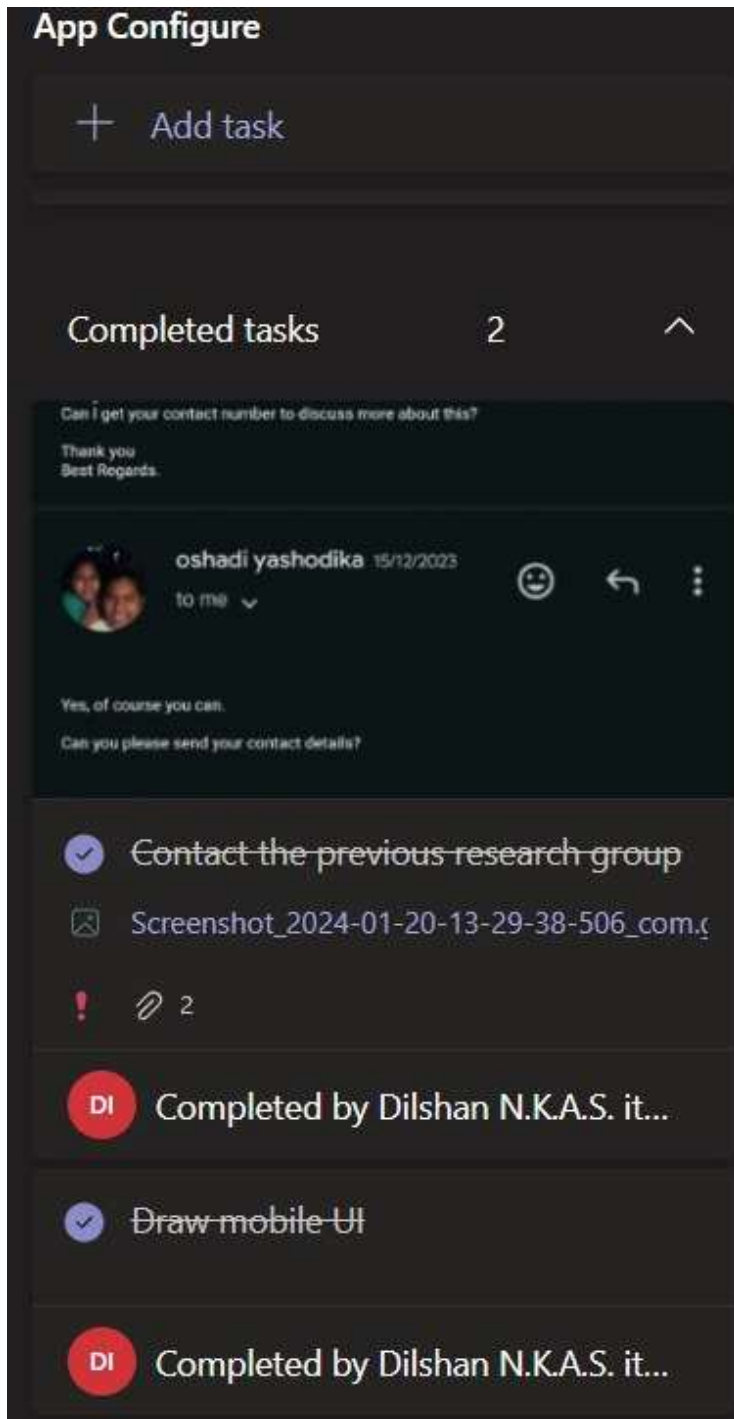
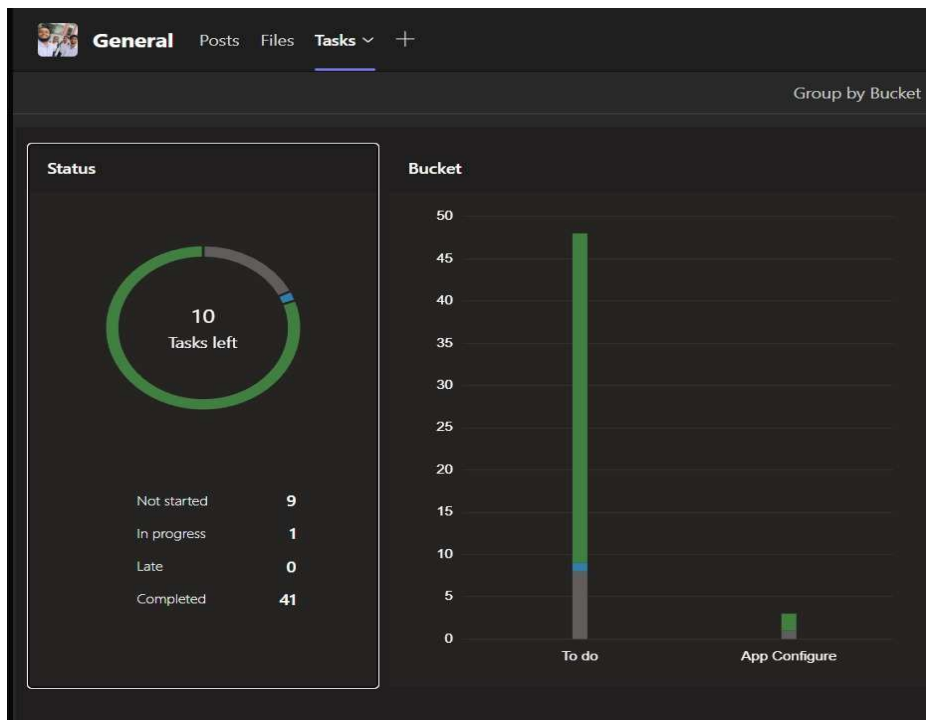


Figure 2.8: Allocated Task.

### 03. MS Teams planner chart



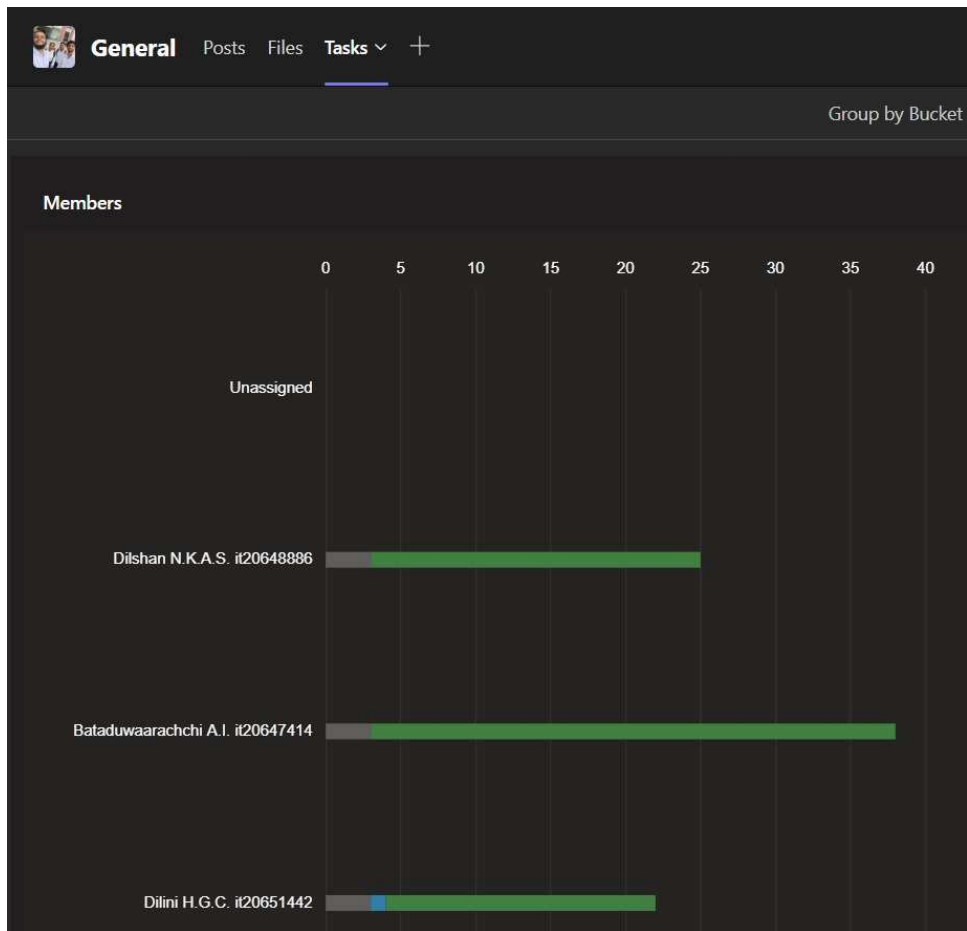


Figure 3.1: Teams Planner Chart.



## 04.Gantt chart of finalize design and implementation phases.

WBS Num	Task Title	%	June	July	August	September	October	November	December	January	February	March	April	May
<b>1. Planning Phase</b>														
1.1	Research Identification	100%												
1.2	Propose Research & Select Supervisor	100%												
1.3	Research Background Study	100%												
<b>2. Environment Setup</b>														
2.1	Background Gathering	100%												
2.2	Literature Review	100%												
2.3	Requirement Analysis	100%												
<b>3. Proposal</b>														
3.1	Project Proposal Document	95%												
3.2	Project Proposal Presentation	95%												
<b>4. Software Requirements Specification</b>														
4.1	Identification of the function	0%												
4.2	Final SRS Document	0%												
<b>5. Design</b>														
5.1	Sketch	50%												
5.2	UI Design	65%												
<b>6. Software Design</b>														
6.1	System Implementation	0%												
6.2	Progress Presentation 1	50%												
6.3	Project status Doc	50%												
<b>7. Implementation</b>														
7.1	Data Collection	95%												
7.2	Frontend Development	0%												
7.3	Backend development	0%												
7.4	Integration	0%												
<b>8. Testing</b>														
8.1	Unit Testing	0%												
8.2	Integration Testing	0%												
<b>9. Project Finalization</b>														
9.1	Evaluate all the requirements are met	0%												
9.2	Identify & fix shortcomings	0%												
<b>10. Final Doc &amp; Viva</b>														
10.1	Final document	0%												
10.2	Final Presentation & viva	0%												

Figure 4.1: WBS and completion.

## 05.Data collection.

### Hard Coded Data Set

	A	B	C	D
1	user_id	text_emot	emotion_percentage	
2	1	Sad	0.7	
3	2	Neutral	0.3	
4	3	Happy	0.8	
5	4	Anger	0.6	
6	5	Surprise	0.5	
7	6	Sad	0.7	
8	7	Neutral	0.3	
9	8	Happy	0.8	
10	9	Anger	0.6	
11	10	Surprise	0.5	
12	11	Sad	0.7	
13	12	Neutral	0.3	
14	13	Happy	0.8	
15	14	Anger	0.6	
16	15	Surprise	0.5	
17	16	Sad	0.7	
18	17	Neutral	0.3	
19	18	Happy	0.8	
20	19	Anger	0.6	
21	20	Surprise	0.5	
22	21	Sad	0.7	
23	22	Neutral	0.3	
24	23	Happy	0.8	
25	24	Anger	0.6	

synthetic\_emotion\_data 1

Figure 5.1: Data collection.