AN INTELLIGENT ROBOT FOR MONITORING AND PROTECTING TODDLERS

Project ID: TMP-23-236

STATUS DOCUMENT

Maddepola M.A.D.K.B

B.Sc. (Hons) Degree in Information Technology Specialized in Computer Systems and Network Engineering

Department of Computer Systems Engineering

Sri Lanka Institute of Information Technology

Sri Lanka

September 2023

DECLARATION

To the best of my knowledge, the information contained within this document is true and accurate. I recognize the significance of can dour and openness in this matter, and I accept full responsibility for the contents of this document. Any discrepancies or modifications to this information will be communicated without delay.

Name	Student ID	Signature
Maddepola M. A. D. K. B	IT20136260	

The above candidate has carried out research for the B.Sc. Dissertation under my supervision.

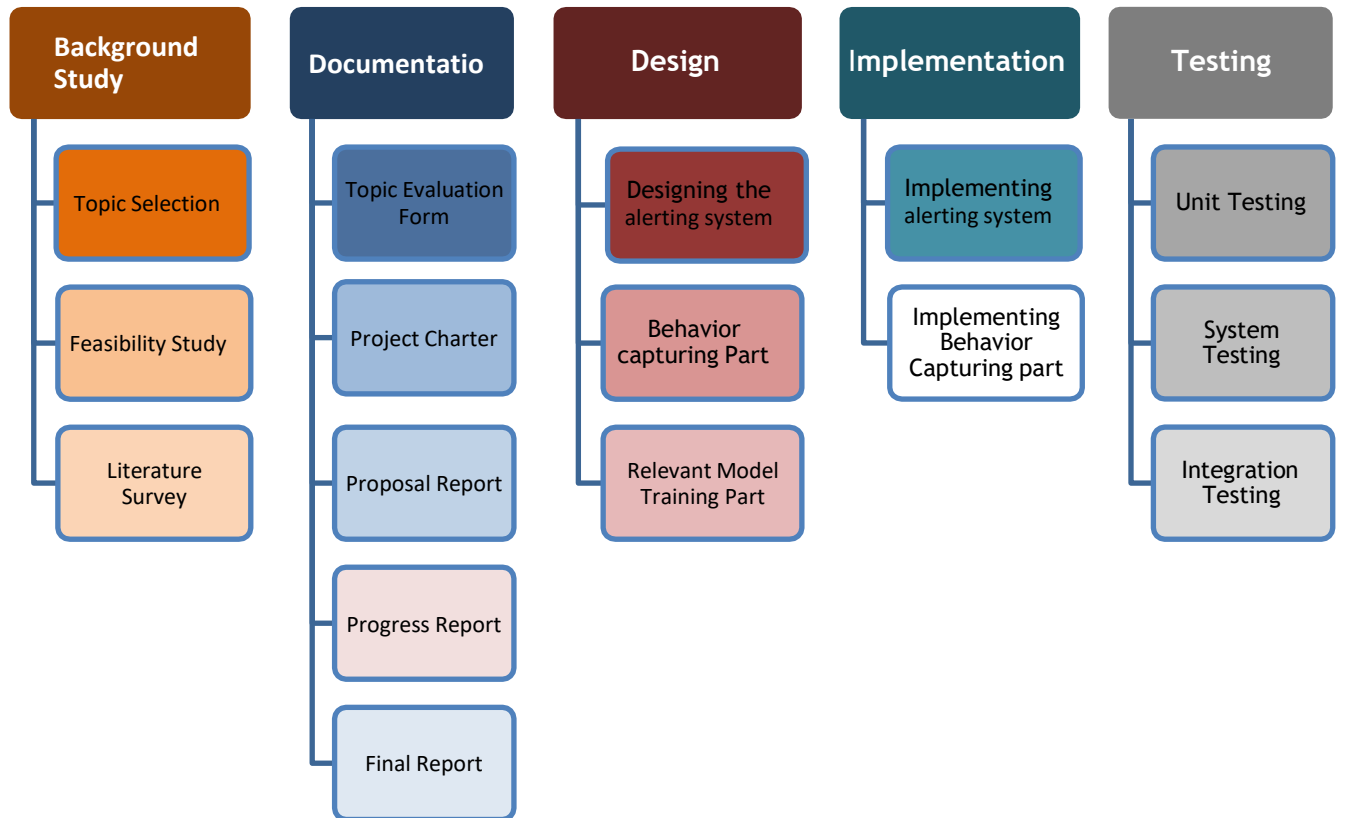Signature of the Supervisor:_____   Date:_____09.03.2023_____

TABLE OF CONTENT

1   PROJECT GANTT CHART

	Jan	Feb	March	April	May	June	July	Aug	Sep	Oct
Study and research the problems facing the parents.	■									
Preparing a solution strategy for a proposed problem		■	■							
Design the conceptual diagram and circuit diagram			■							
The hardware for the robot will be designed.				■	■					
Implementing Sensors to Detects the child's behaviors.						■				
Implementing the sensors for alerting system							■			
Implementing WIFI connection to connect mobile app and the robot.							■			
Implement the coding part and design the GUI interface.								■	■	
Testing the system								■	■	
Present the system										■
Month	Jan	Feb	March	April	May	June	July	Aug	Sep	Oct

2   WORK BREACKDOWN STRUCTURE

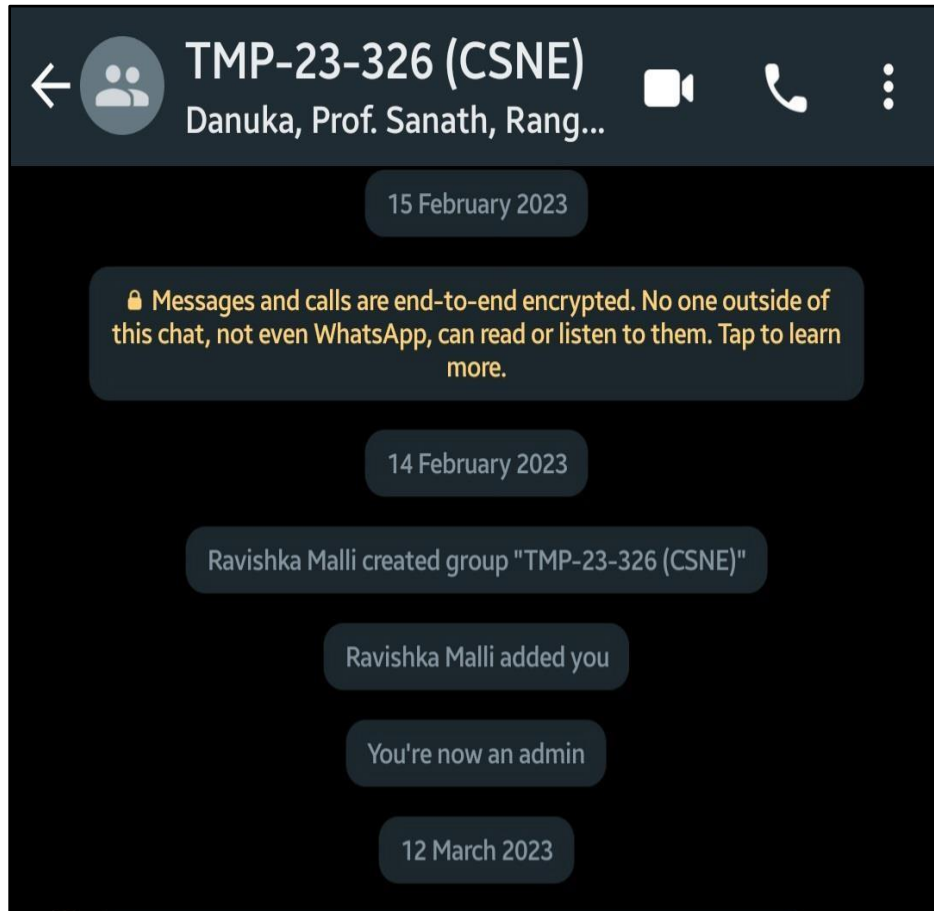| Background Study	Documentatio	Design	Implementation	Testing
Topic Selection	Topic Evaluation Form	Designing the alerting system	Implementing alerting system	Unit Testing
Feasibility Study	Project Charter	Behavior capturing Part	Implementing Behavior Capturing part	System Testing
Literature Survey	Proposal Report	Relevant Model Training Part		Integration Testing
	Progress Report			
	Final Report			

3   DATA REPORT ABOUT THE MEETINGS

Supervisor meetings were conducted in person with the purpose of discussing the status of the project. The accompanying image depicts the utilization of the Microsoft Teams platform for conducting meetings.
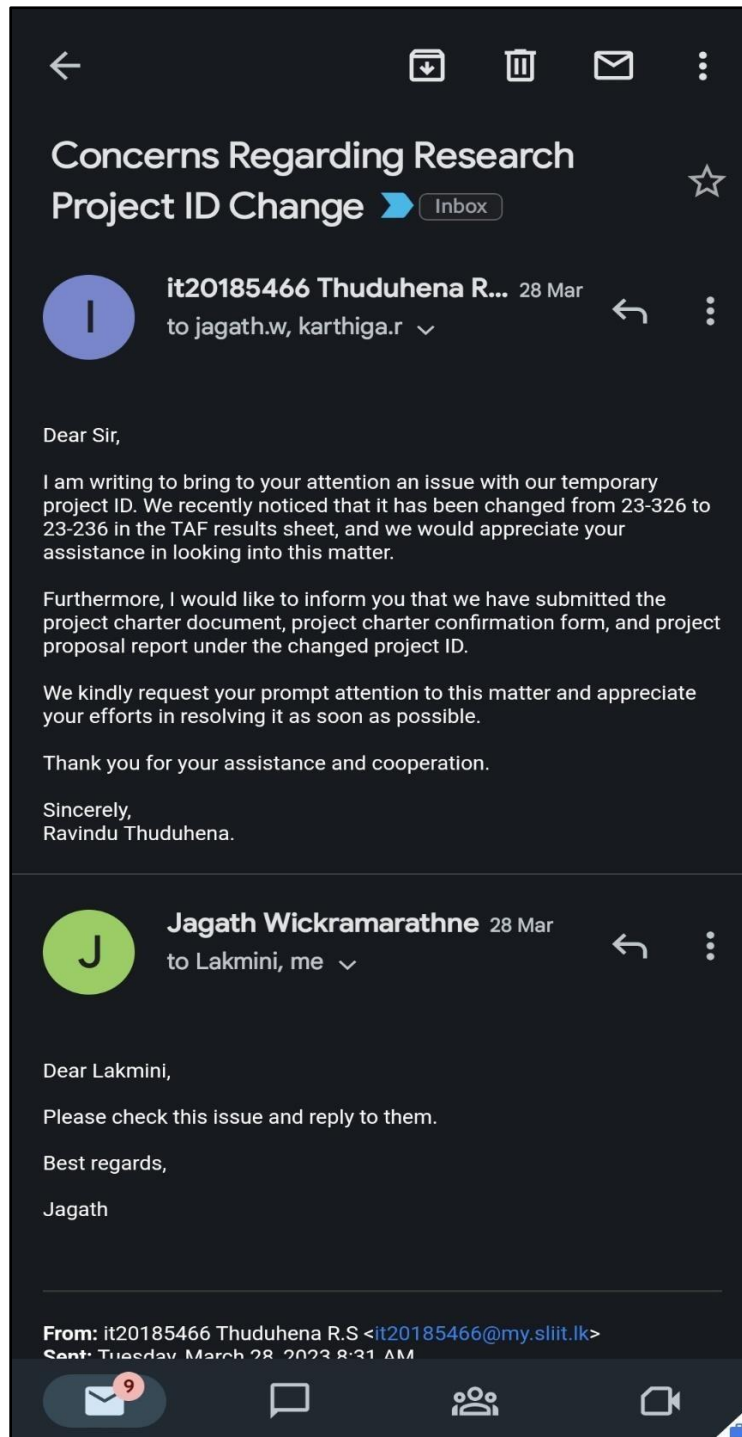
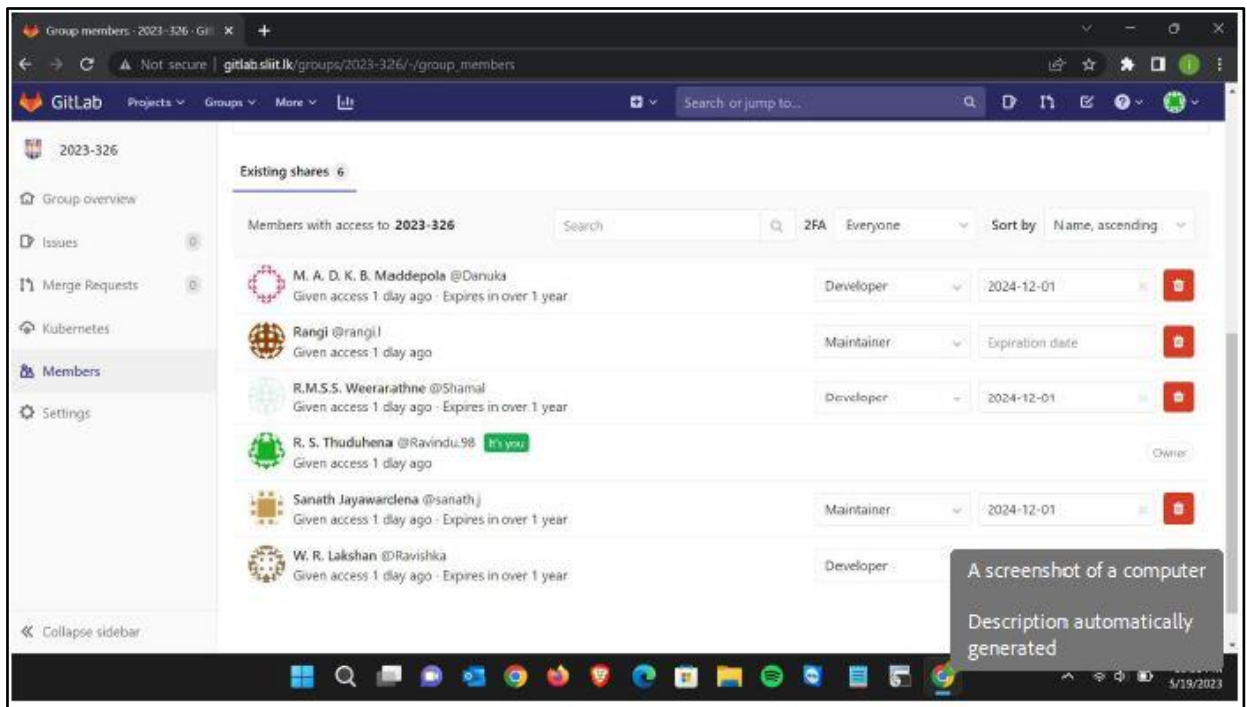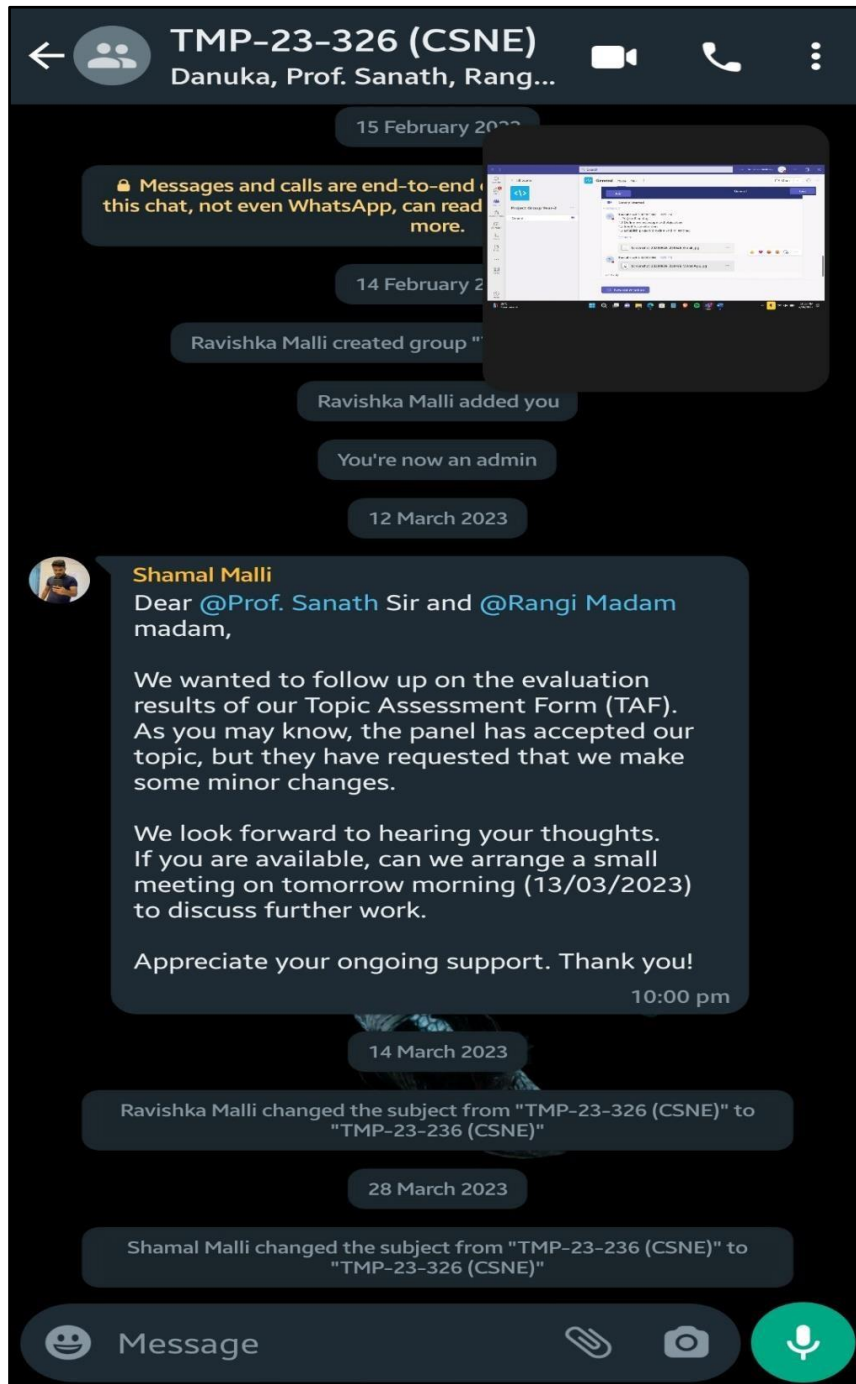| Date	Task
23/01/2023	Research topic discussion
06/02/2023	Discussion of members' functions and novelties.
13/02/2023	Finalize the research topic and main functions.
03/04/2023	Discussion about research equipment selection.
05/05/2023	Progress discussion 1
19/05/2023	Discussion before PP1
Supervisor Signature	*[signature]*

4   SNAPSHOTS

- **Created Group**

- **Group ID Issue.**

Concerns Regarding Research Project ID Change ▶ Inbox

it20185466 Thuduhena R... 28 Mar
to jagath.w, karthiga.r

Dear Sir,

I am writing to bring to your attention an issue with our temporary project ID. We recently noticed that it has been changed from 23-326 to 23-236 in the TAF results sheet, and we would appreciate your assistance in looking into this matter.

Furthermore, I would like to inform you that we have submitted the project charter document, project charter confirmation form, and project proposal report under the changed project ID.

We kindly request your prompt attention to this matter and appreciate your efforts in resolving it as soon as possible.

Thank you for your assistance and cooperation.

Sincerely,
Ravindu Thuduhena.

Jagath Wickramarathne 28 Mar
to Lakmini, me

Dear Lakmini,

Please check this issue and reply to them.

Best regards,

Jagath

From: it20185466 Thuduhena R.S <it20185466@my.sliit.lk>
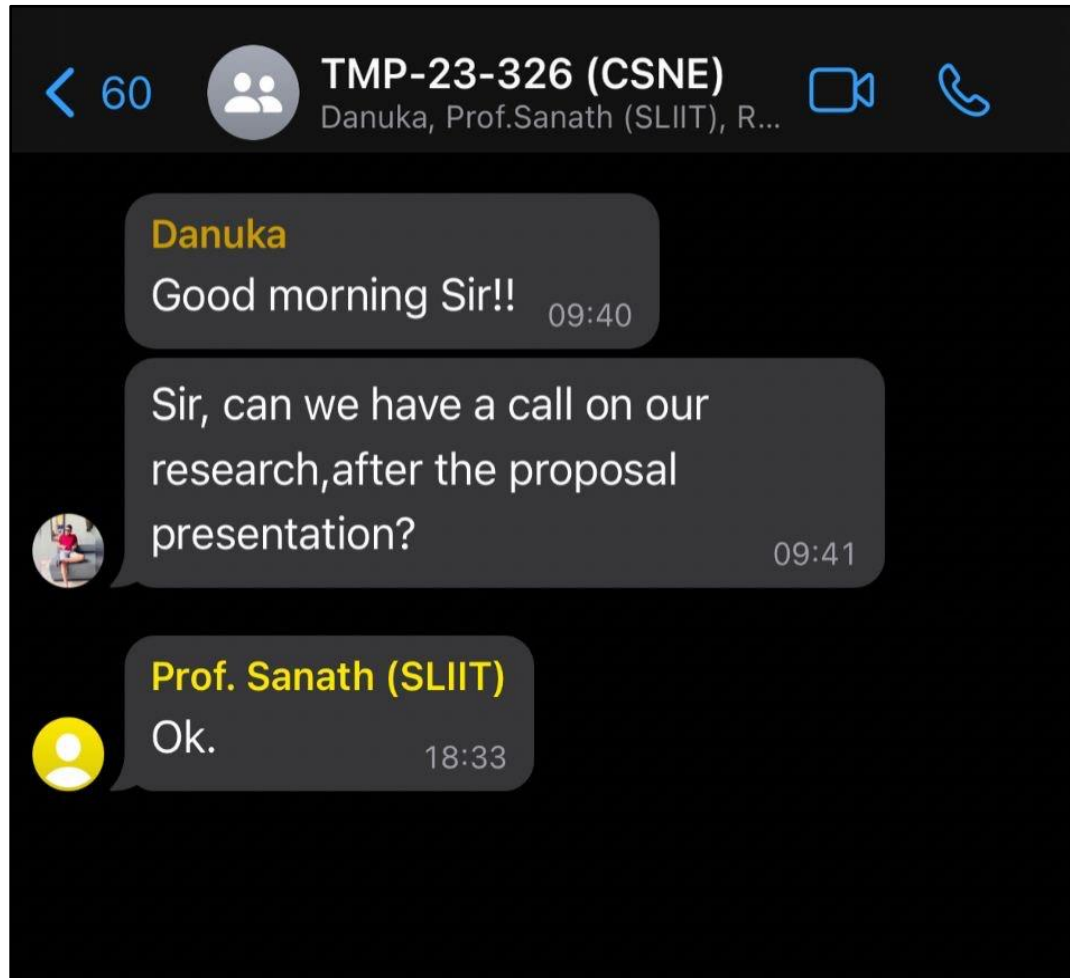**Sent:** Tuesday, March 28, 2023 8:31 AM

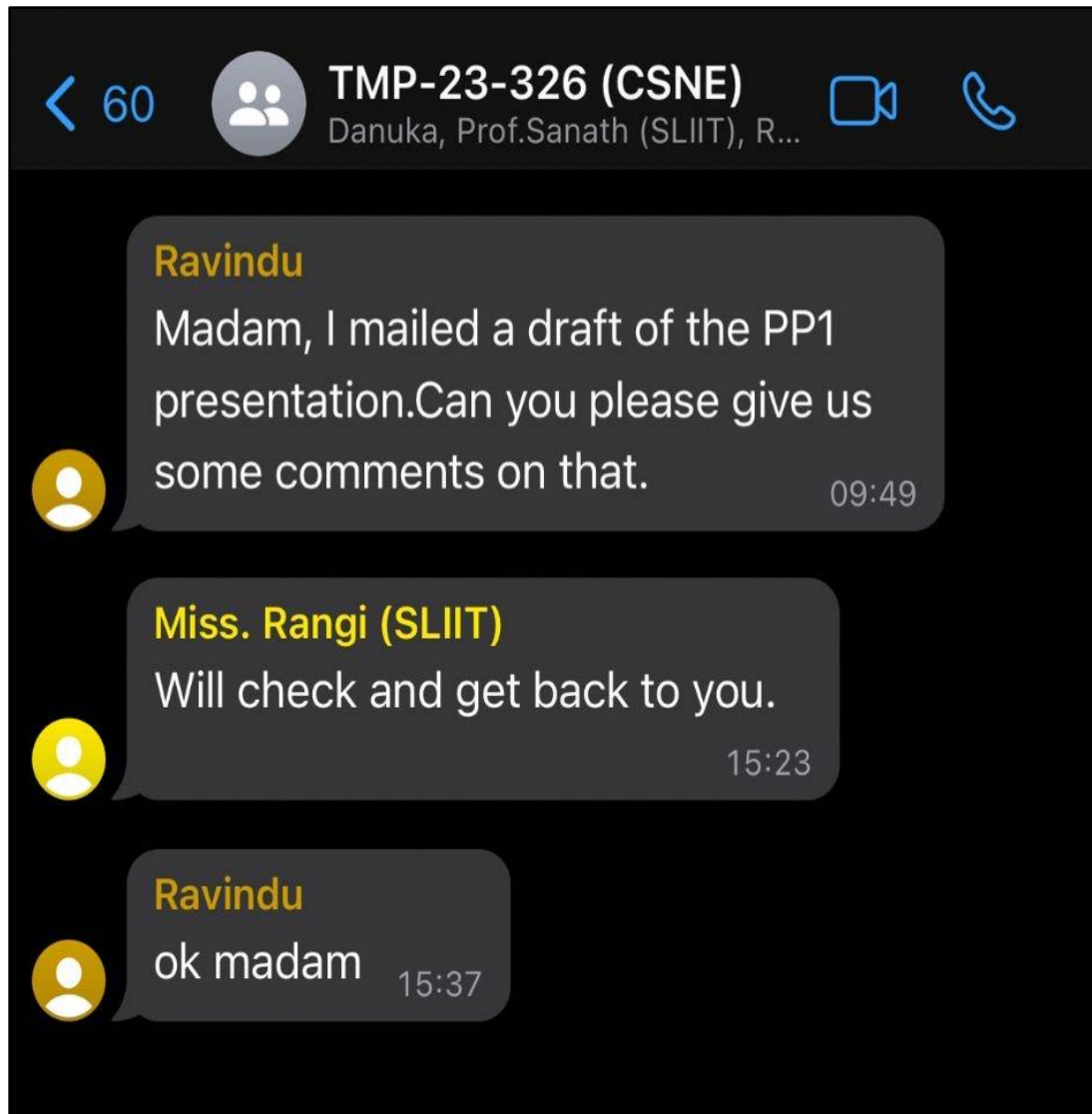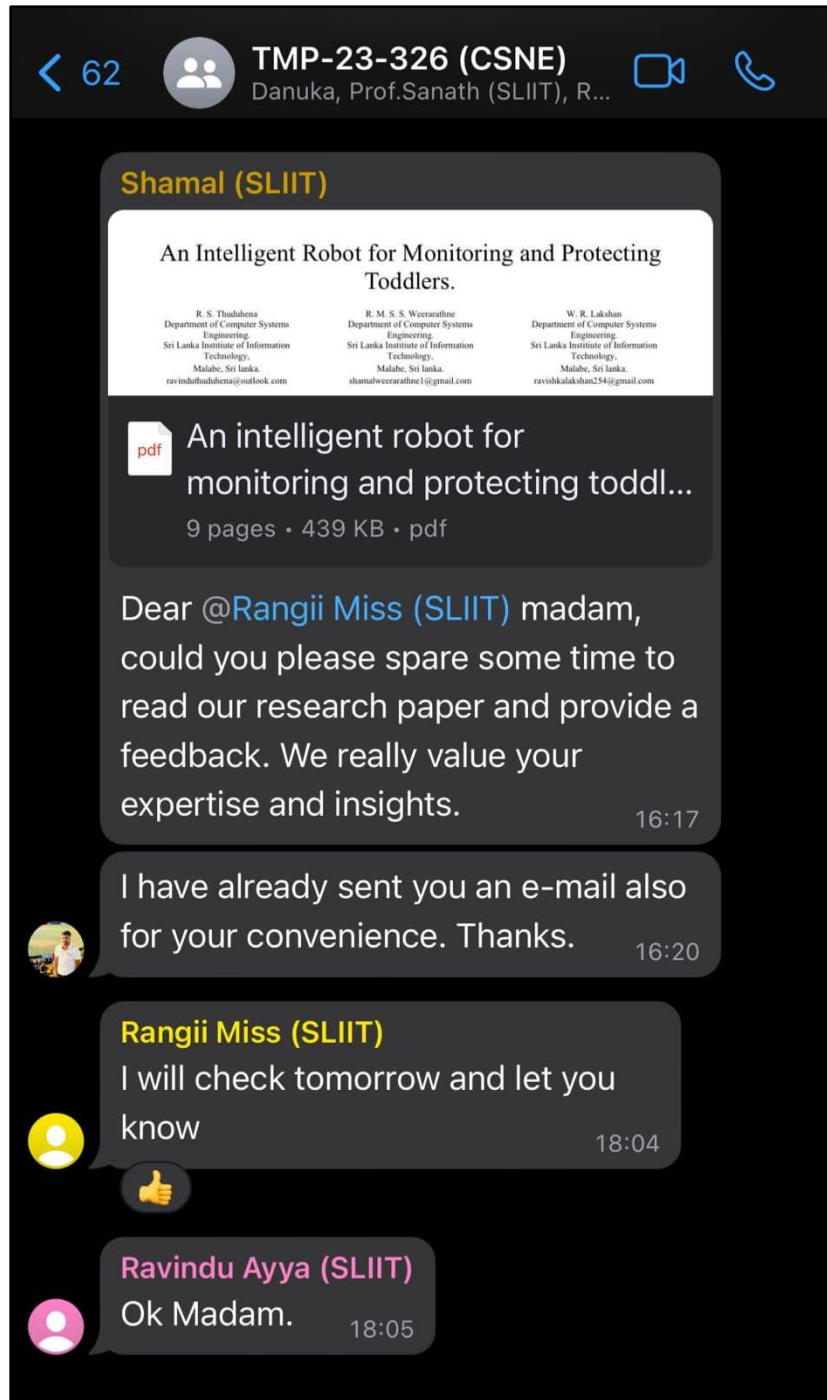- **GIT Lab creation and setup phase.**

- **Accept of the project topic**

- **Meeting to discuss about proposal presentation**

- **PP1 Supervisor Review**

- **Supervisor's review of research paper**

Thursday

Rangii Miss (SLIIT)
Dear students, i have checked your document and please receive the comments
1. Abstract and introduction starting sentences need to be strong.
2. Cite references and add more references
3. Name and number the figures
4. Conclusion part need to be more clear
5. Overall content is good   09:03

❤️

Ok madam. We will check it again. Thank you.   09:07 ✓✓

Rangii Miss (SLIIT)
Also if you are adding a figure to a research paper, there should be a valid reason for that   09:18

Otherwise remove   09:18

Ok madam.   09:21 ✓✓

5 Time Allocation

Task	Duration	Start Date	End Date
TAF	2 Weeks	07/02/2023	21/2/2023
Project Charther	2 Weeks	22/2/2023	08/03/2023
Project proposal document and presentation	3 Weeks	09/03/2023	30/03/2023
Analysis	4 Weeks	31/03/2023	30/04/2023
Collecting physical componnets	4 Weeks	01/05/2023	01/06/2023
Implementation	3 Weeks	02/06/2023	23/6/2023
Exterior design and creation	3 Weeks	24/6/2023	15/7/2023
Integrating with the mobile application	3 Weeks	16/7/2023	06/08/2023
Hardware integration with the prototype	2 Weeks	07/08/2023	14/8/2023
Unit testing	2 Weeks	15/8/2023	29/8/2023
Preparation for final demonstartion	3 Weeks	30/8/2023	20/9/2023
Final report	5 Weeks	21/9/2023	26/10/2023