



**IT4010**

# **Research Project**

## **Status Document 2**

Submitted to

Sri Lanka Institute of Information Technology

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Bachelor of Science Special Honors Degree in Information Technology

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An intelligent robot for monitoring and protecting toddlers.

TMP-23-326

Status Document 2

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## **DECLARATION**

We declare that this is our own work, and this project does not incorporate without acknowledgment any material previously submitted by anyone else in SLIIT or any other university/Institute. And we declare that each one of us equally contributed to the completion of this project.

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## 1. Gant Chart

Gant chart of research project. (Individual Part)

Table 1:Gant chart

Study and identify the problems facing the parents.										
Planning how to provide solution for proposed problem										
Design the conceptual diagram and circuit diagram										
The hardware for the robot will be designed.										
Implementing speaker to play the lullabies.										
Implementing the crying detection part										
Implementing microphone to Identify the crying situations										
Implement the coding part and connecting music API to play lullabies										
Testing the system										
Present the system										
Month	Jan	Feb	March	April	May	June	July	Aug	Sep	Oct

## 2. Work breakdown chart

Work breakdown chart of research project. (Individual Part)

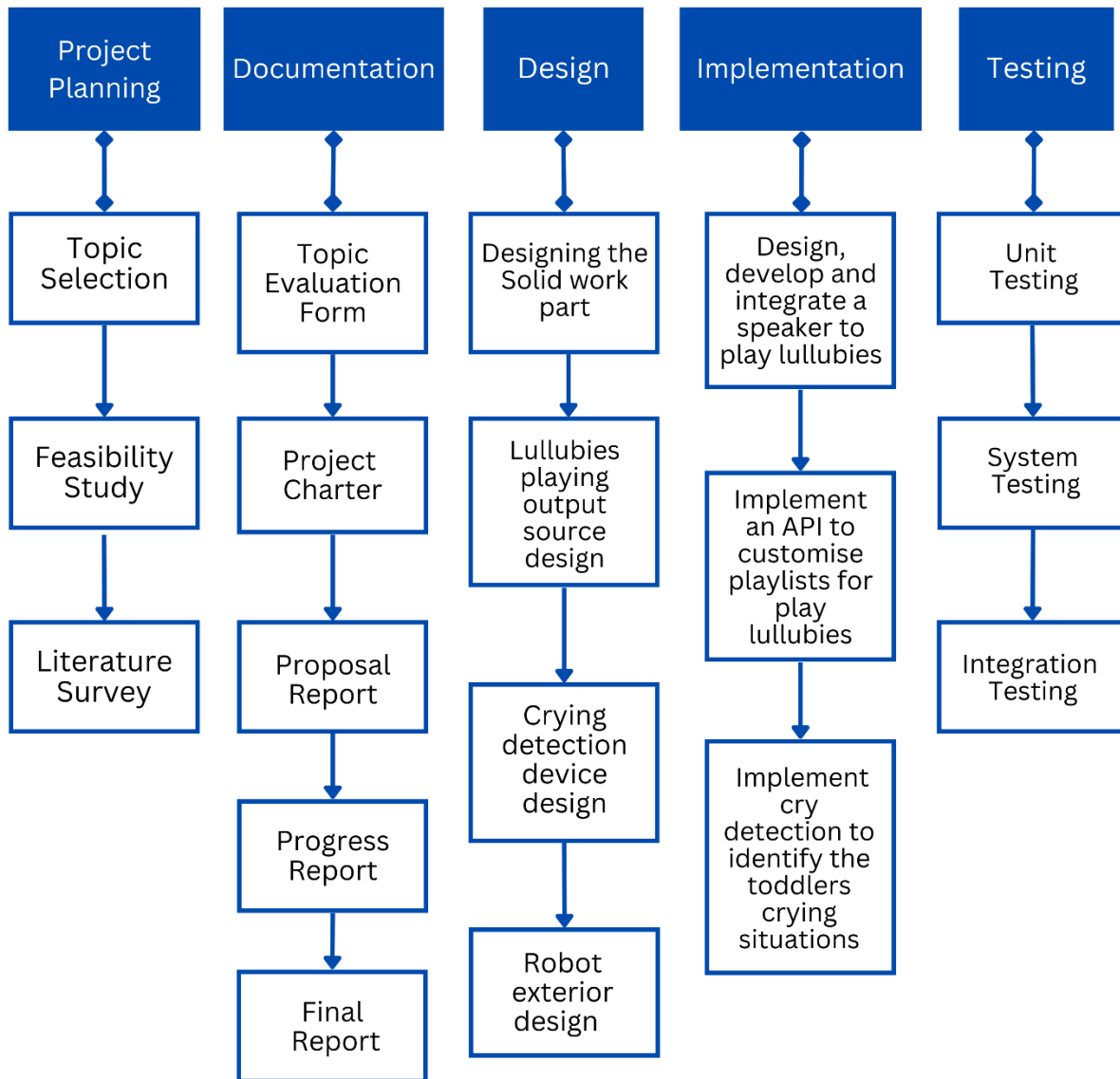


Figure 1: Work breakdown chart.

### 3. Meeting records

All the dates and tasks of the meetings we arranged.

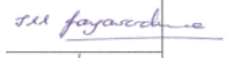
Date	Task
23/01/2023	Research topic discussion
06/02/2023	Discussion of members' functions and novelties.
13/02/2023	Finalize the research topic and main functions.
03/04/2023	Discussion about research equipment selection.
05/05/2023	Progress discussion 1
19/05/2023	Discussion before PP1
Supervisor Signature	

Table 2: Meeting records

## 4. Screen Shots

Gitlab account registration.

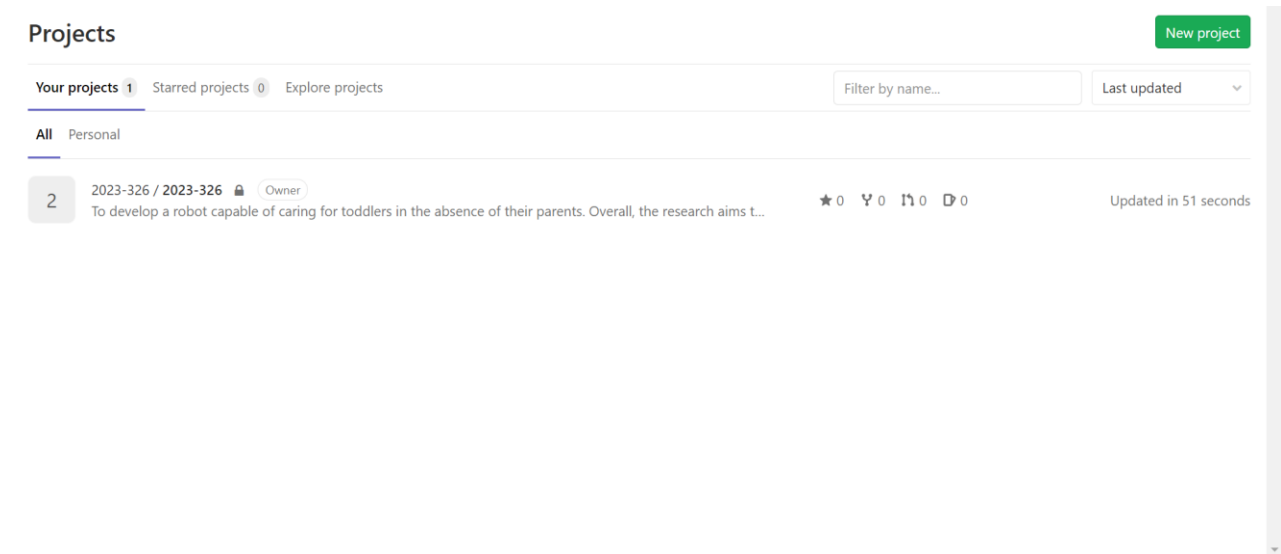


Figure 2: Gitlab registration.

Adding supervisors and members to the Gitlab group.

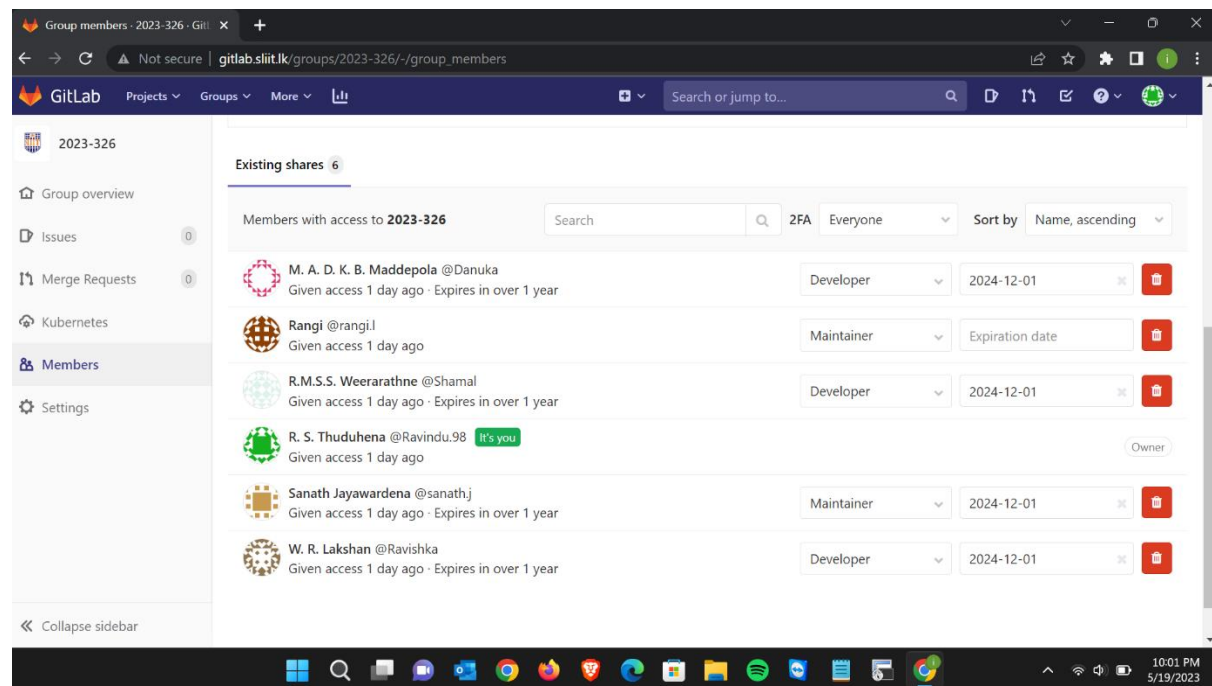


Figure 3: Create Gitlab group.



Send the research paper to the co-supervisor



Figure 4: Send the research paper.

Arrange a meeting to discuss the proposal presentation.

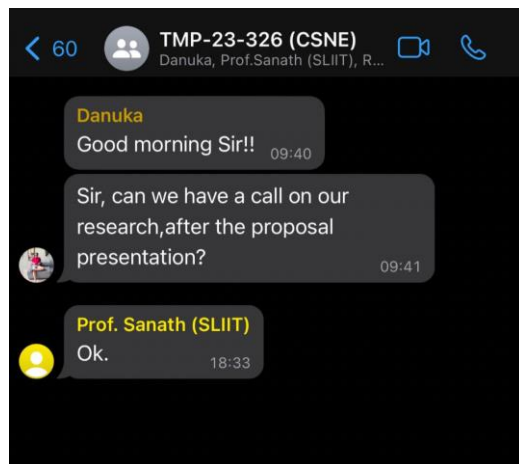


Figure 5: Arrange a meeting.

Arrange the meetings with supervisors.



Figure 6: Arrange a meeting.

Send draft of the research paper to Co-supervisor.

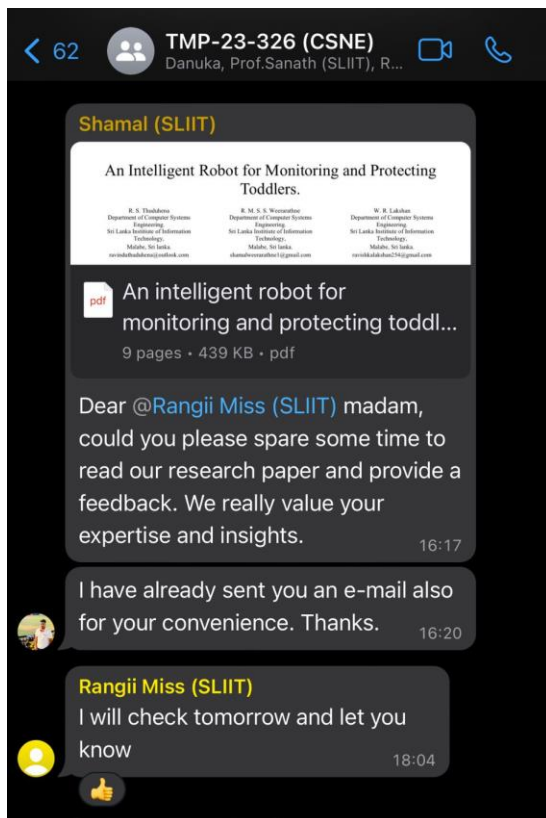


Figure 7: Send draft of research paper.

Co-supervisor's comments about the research paper.

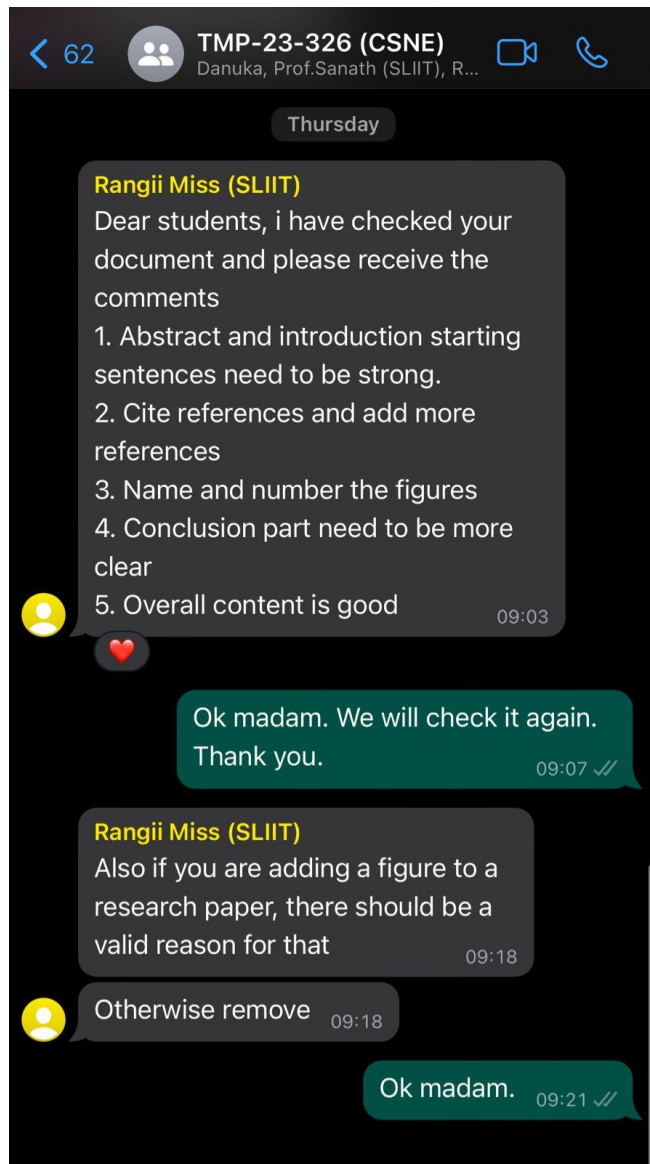


Figure 8: Comments about the research paper

Asking for comments about the draft of the PP1 from the co-supervisor.

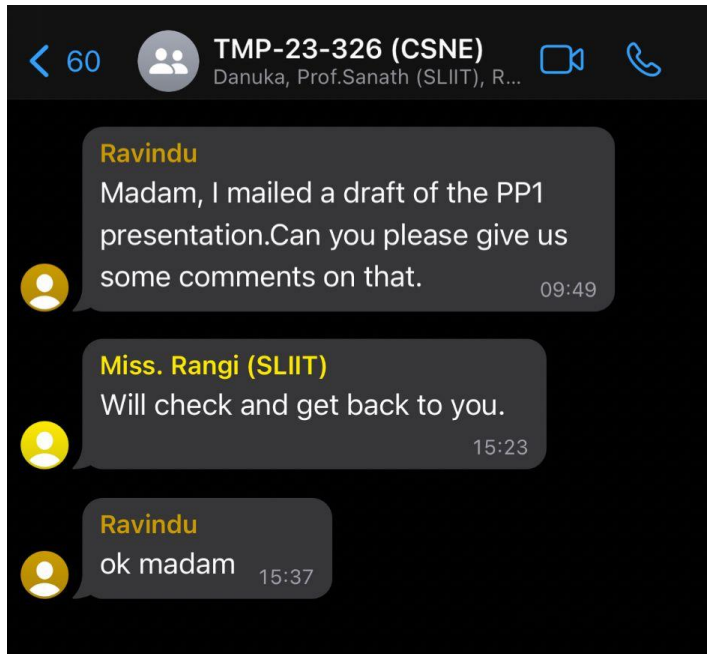


Figure 9: Asking the comments about the PP1 draft presentation.

Meeting with group members.

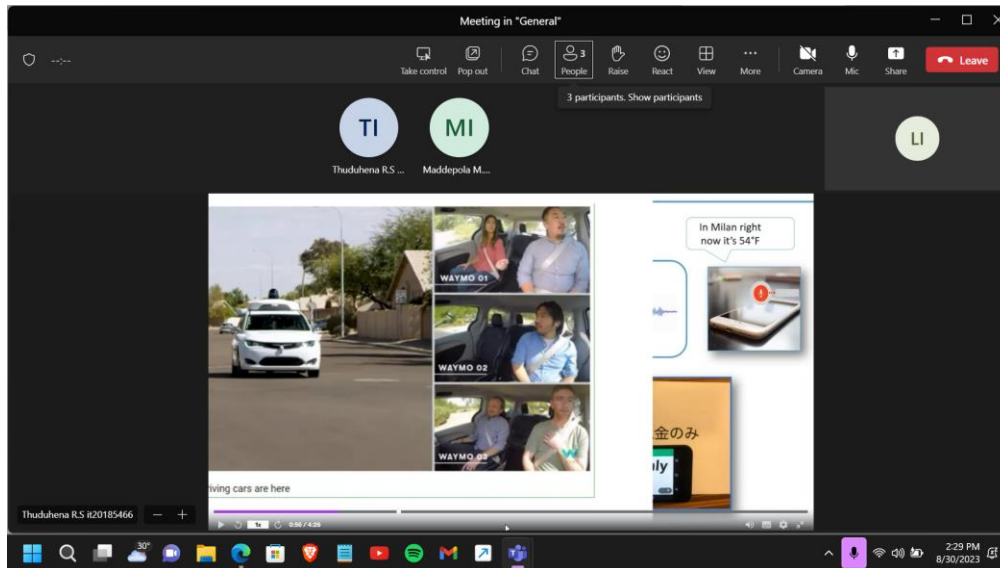


Figure 10: Meeting with group members.