



**IT4010**

# **Research Project**

## **Status Document 2**

### **AN INTELLIGENT ROBOT FOR MONITORING AND PROTECTING TODDLERS**

Project ID: 2023-326

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## DECLARATION

I declare that this is my own work, and this proposal does not incorporate without acknowledgment any material previously submitted for a degree or diploma in any other university or institute of higher learning and to the best of my knowledge and belief it does not contain any material previously published or written by another person except where the acknowledgment is made in the text.

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## 1. Gantt chart for project work

Table 1:Gantt Chart

Research about the topic and tasks												
Hardware Design												
Software Development												
Prototype Development												
Testing and Evaluation												
Final Report and Conclusion												
Month	1	2	3	4	5	6	7	8	9	10	11	12

## 2. Work Breakdown Chart

- Work Breakdown Chart of research project (individual part)

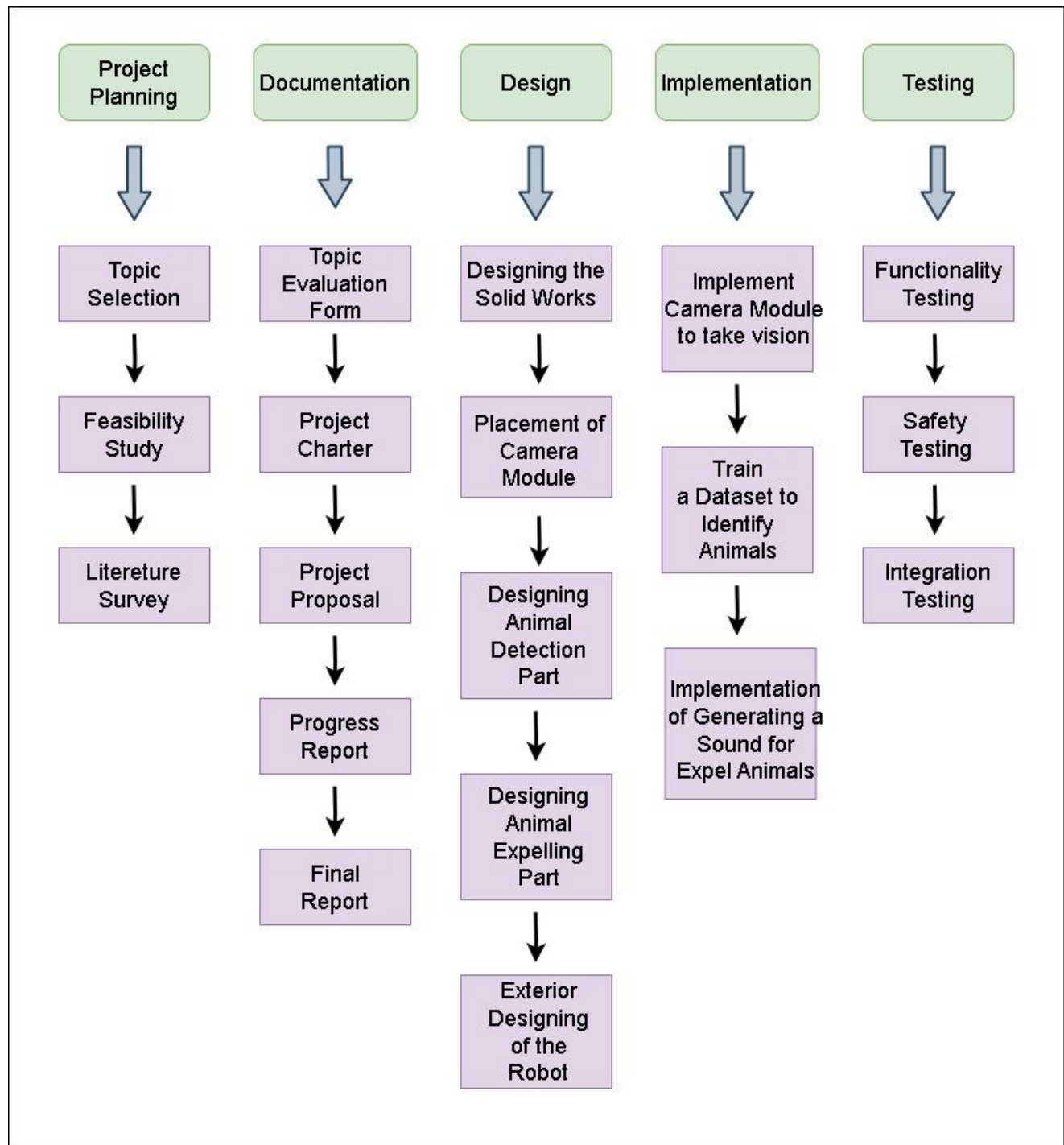
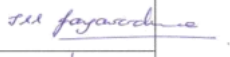


Figure 1: Work Breakdown Chart

### 3. Meeting Records

- Meetings and discussions with supervisor

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. Conversations and Collaboration.

- WhatsApp group creation

02/14/2023

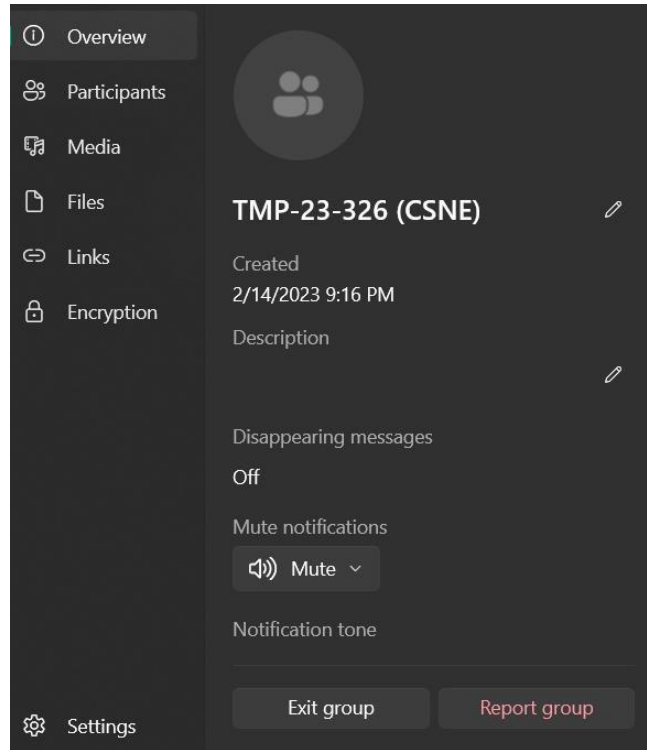


Figure 2: Creation of WhatsApp group

- Asking suggestions from supervisors and arranging a meeting.

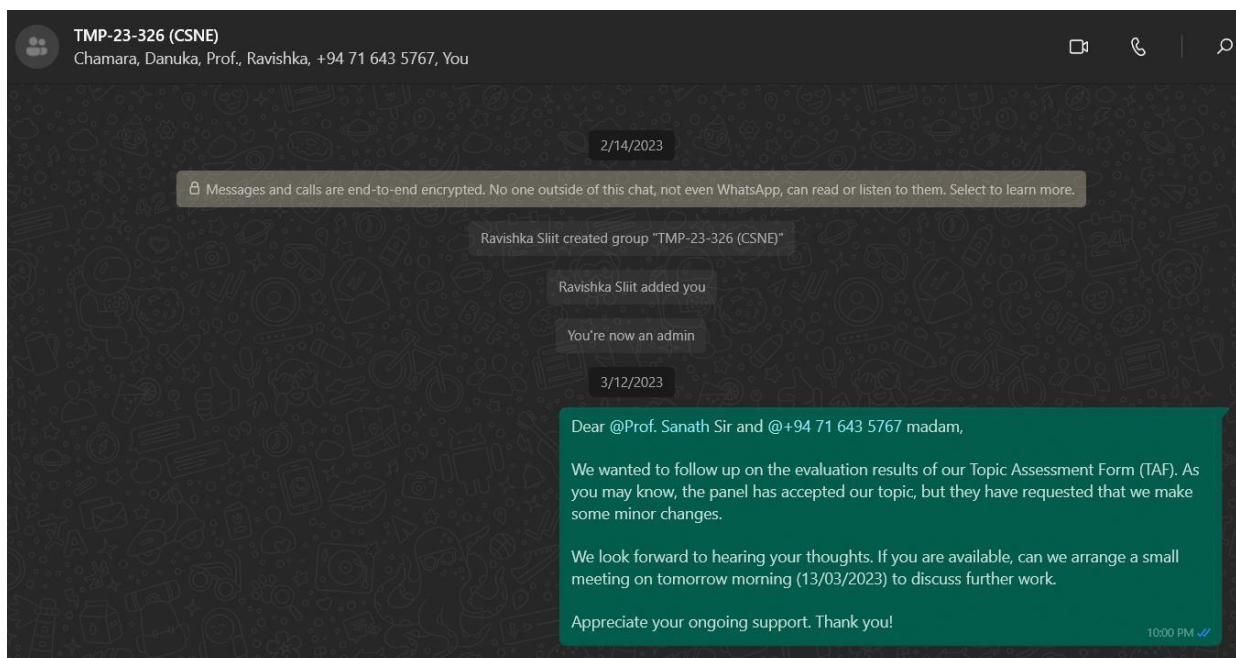


Figure 3: Requesting help from supervisors.



- Requesting solve issue with the project ID.

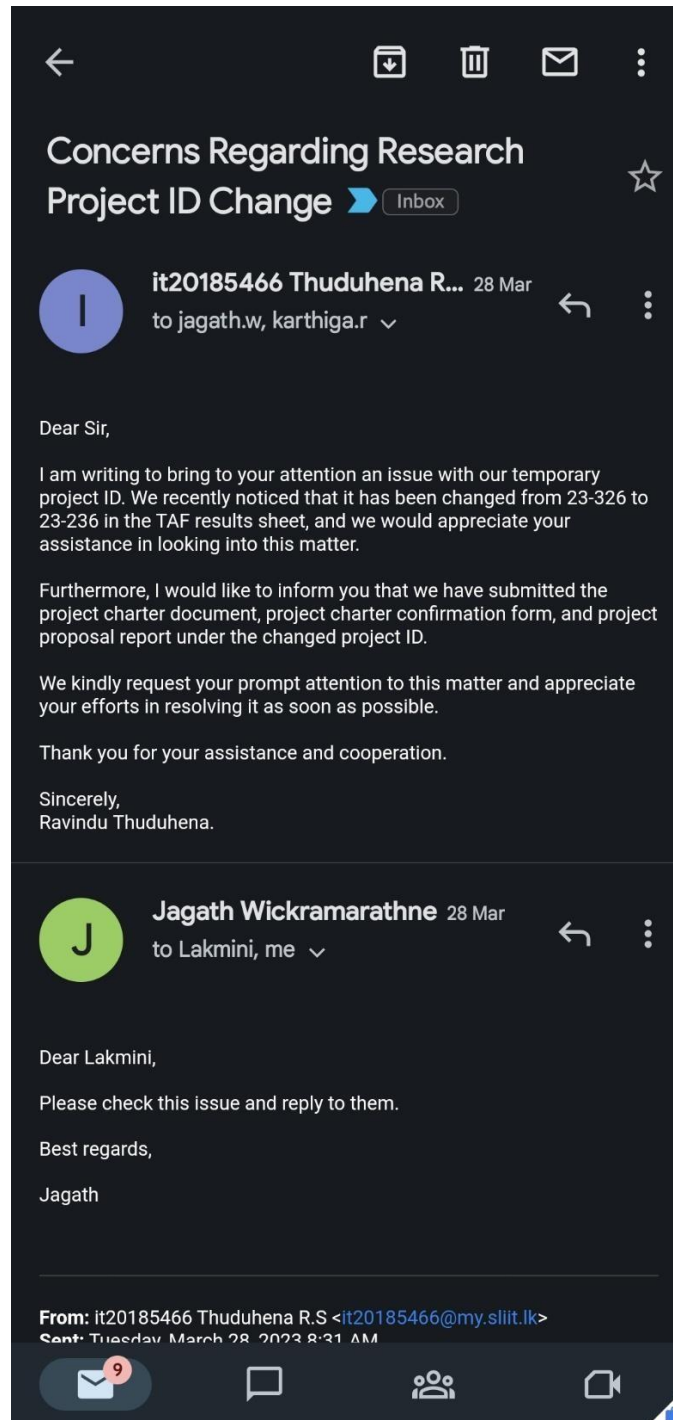


Figure 4: Solving issues via e-mail.

- Sending the research paper to Co-supervisor

## Research Paper - Project ID: 2023-326



**it20280956 Weeraratne R.M.S.S.** <it20280956@my.sliit.lk>  
to rangi.l, sanath.j, Thuduhena, it20093150, it20136260 ▾

**One attachment** • Scanned by Gmail ⓘ



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Figure 5: Sending the research paper to Co-supervisor.

- Requesting help from Co-supervisor to point out mistakes in our research paper.

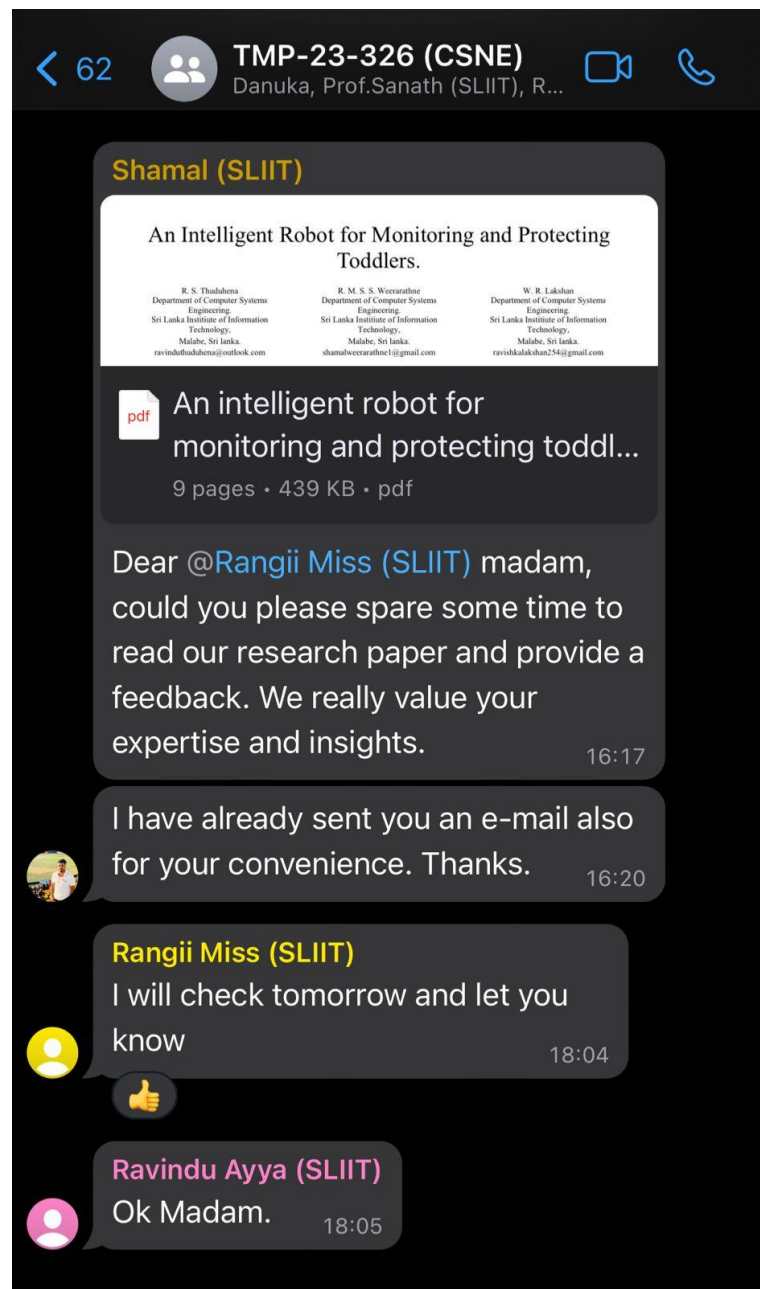


Figure 6: Requesting Co-supervisor to read the research paper and provide us feedback.

- Feedback of Co-supervisor.

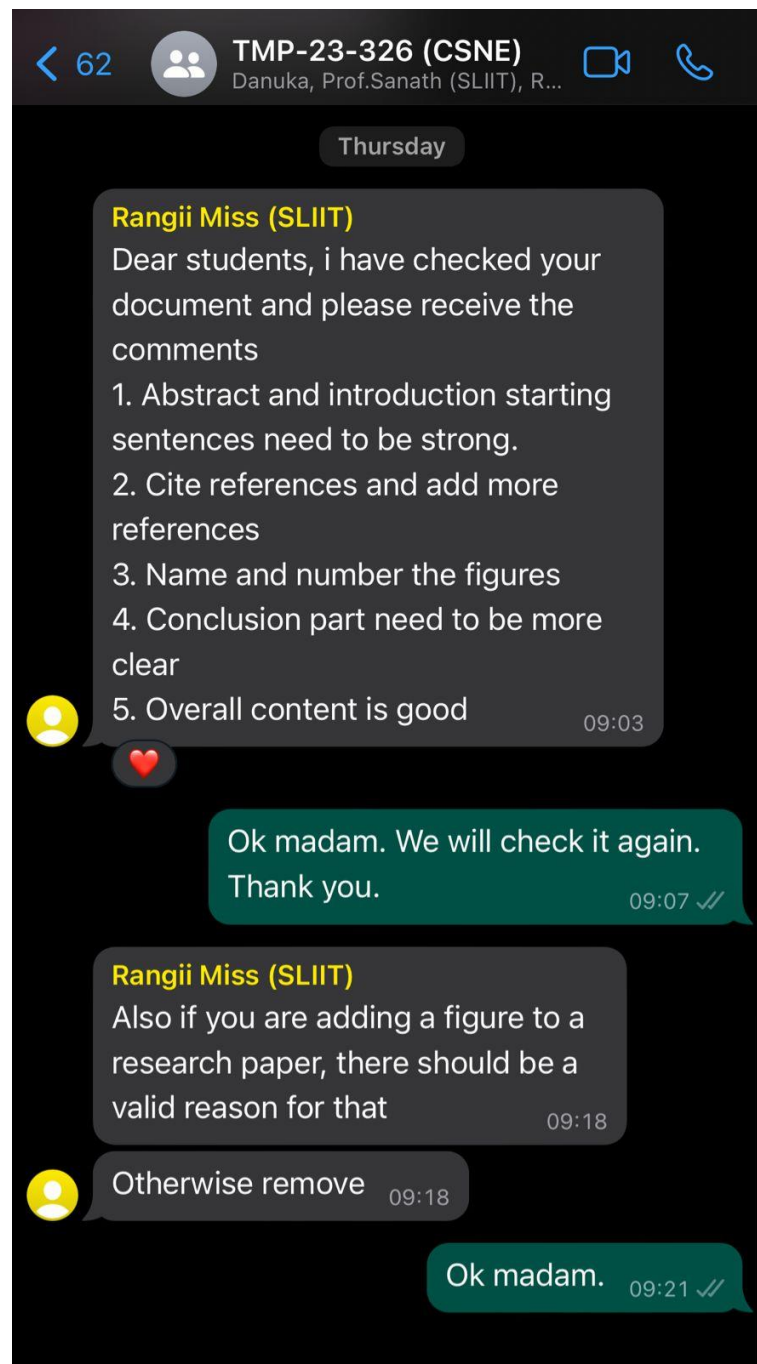
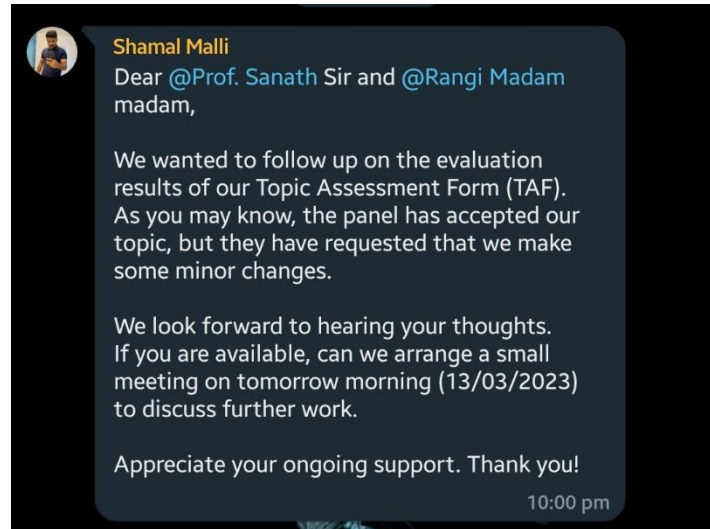


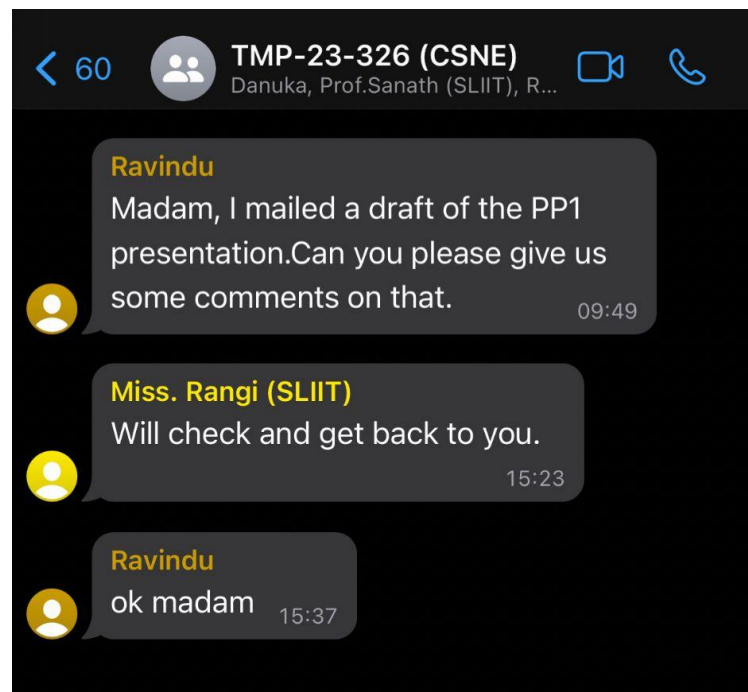
Figure 7: Feedback of Co-supervisor on our research paper draft

- Arranging a meeting with supervisors to guide us.



*Figure 8: Requesting for a meeting.*

- Arranging a meeting to discuss the proposal presentation.



*Figure 9: Arranging meetings*

- GitLab account registration.

## Projects

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To develop a robot capable of caring for toddlers in the absence of their parents. Overall, the research aims t...

Figure 10:Registration to GitLab

- Adding supervisors and members to the GitLab group.

Group members - 2023-326 - GitLab

Not secure | gitlab.sliit.lk/groups/2023-326/-/group\_members

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2023-326

Group overview

Issues 0

Merge Requests 0

Kubernetes

Members

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Existing shares 6

Members with access to 2023-326

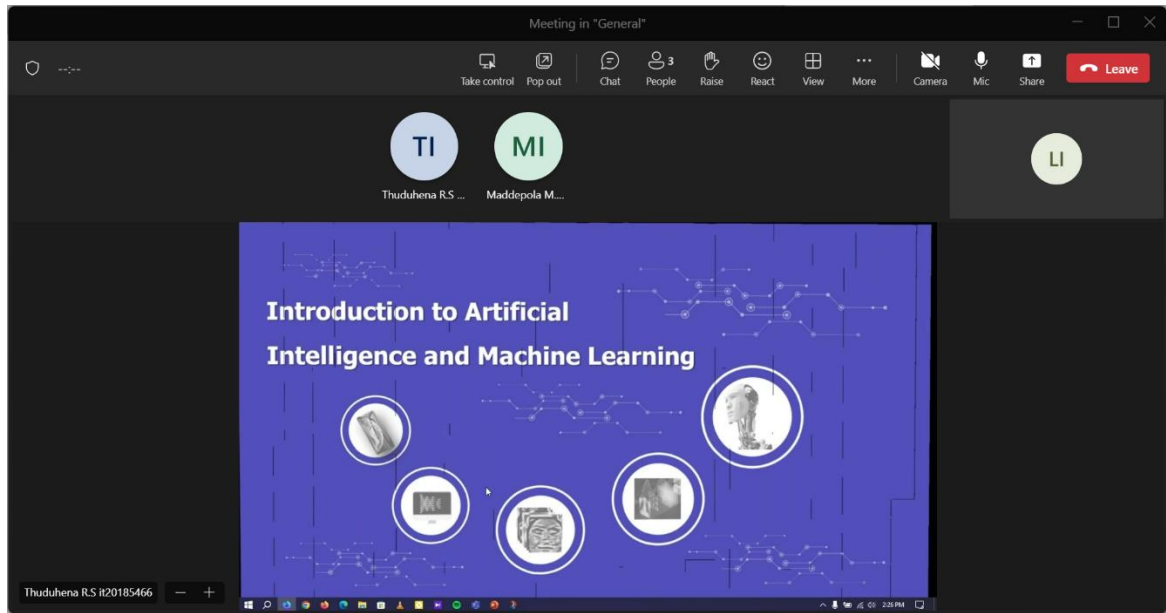
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M. A. D. K. B. Maddepola @Danuka	Developer	2024-12-01	
Rangi @rangi.l	Maintainer	Expiration date	
R.M.S.S. Weeraratne @Shamal	Developer	2024-12-01	
R. S. Thuduhena @Ravindu.98 <span>It's you</span>			Owner
Sanath Jayawardena @sanath.j	Maintainer	2024-12-01	
W. R. Lakshan @Ravishka	Developer	2024-12-01	

10:01 PM 5/19/2023

Figure 11:Creation of GitLab group.

- Discussion with team members.



*Figure 12: Meeting with group members*