AN INTELLIGENT ROBOT FOR MONITORING AND PROTECTING TODDLERS

Project Logbook

Project ID: 2023 - 326

Student Details

Student Name	Student ID
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The dissertation was submitted in partial fulfillment of the requirements for the

B.Sc. Special Honors Degree in Information Technology Specialized in

Computer Systems and Network Engineering

Department of Computer Systems Engineering

Sri Lanka Institute of Information Technology

Sri Lanka

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.
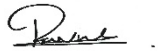
Name	Student ID	Signature
Thuduhena R.S	IT20185466	

Table Of Content

Gantt Chart For Project Work

|												
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

Snapshots

- WhatsApp Group Creation and adding supervisor and co-supervisor to the group.
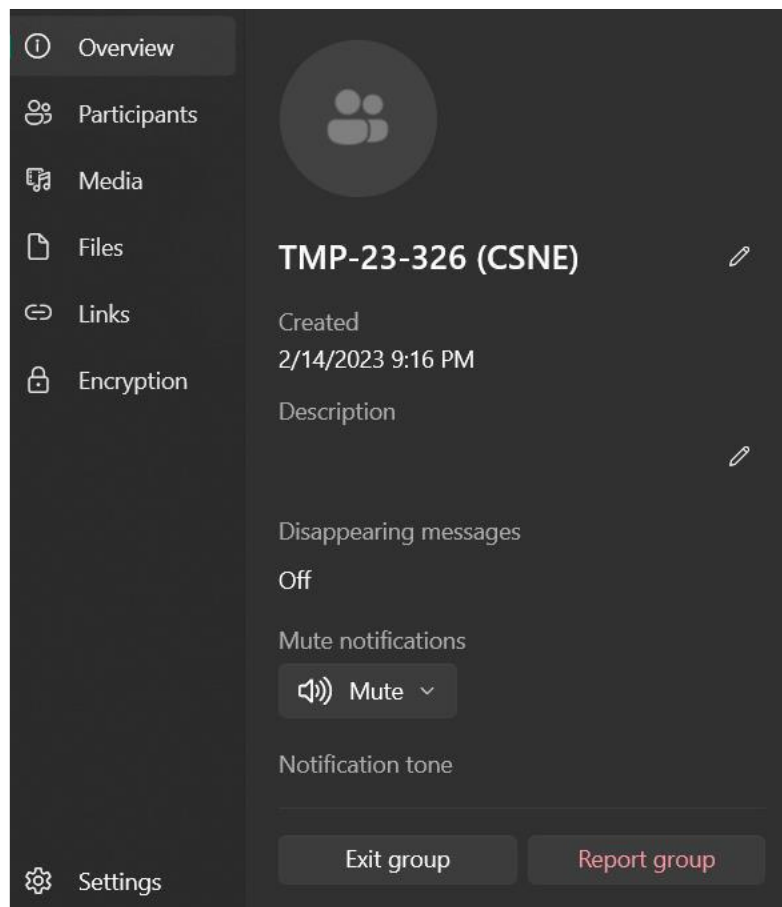
- Asking suggestions from supervisors and arranging a meeting.
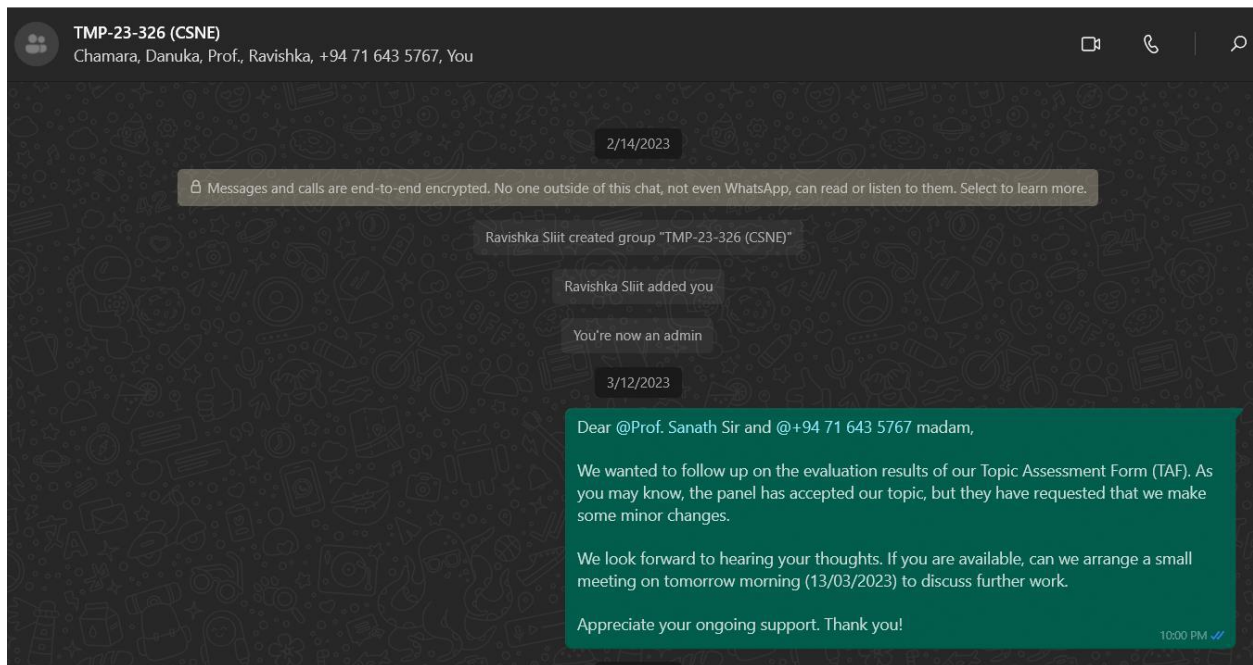
- Resolve some issues in research project with CDAP
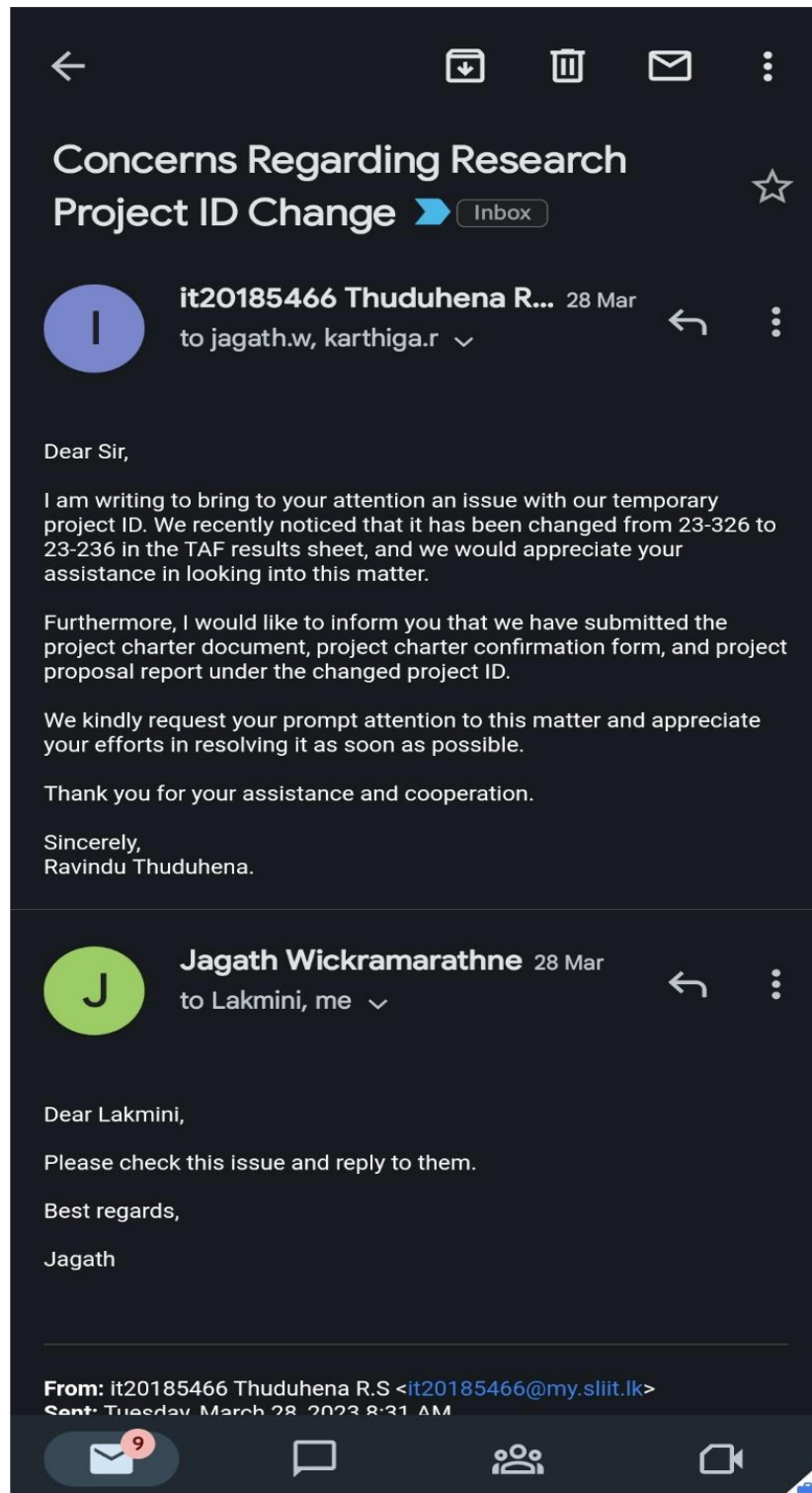
Project Breakdown Chart

1. Project Planning

- Define project scope and objectives
- Identify stakeholders
- Establish project timeline and milestones

2. Research and Development

- 2.1 Conduct market research
- 2.2 Analyze existing technologies
- 2.3 Develop concept designs
- 2.4 Conduct feasibility study
- 2.5 Develop prototype

3. Testing and Evaluation

- 3.1 Test prototype for functionality
- 3.2 Evaluate prototype for safety
- 3.3 Collect user feedback
- 3.4 Refine design based on feedback

4. Manufacturing and Assembly

- 4.1 Develop production plan
- 4.2 Source materials and components
- 4.3 Assemble robot
- 4.4 Conduct quality control checks

5. Deployment and Maintenance

- 5.1 Develop deployment plan
- 5.2 Install robot in target locations
- 5.3 Train users on robot operation
- 5.4 Establish maintenance plan

6. Project Management
- 6.1 Monitor project progress
- 6.2 Manage project budget
- 6.3 Manage project risks
- 6.4 Communicate with stakeholders

7. Documentation and Reporting
- 7.1 Document project activities and outcomes
- 7.2 Prepare project reports
- 7.3 Present findings to stakeholders

8. Project Closure
- 8.1 Conduct post-project review
- 8.2 Archive project documentation
- 8.3 Celebrate project success

Supervisor and Co – Supervisor Meeting Details

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]*