IT4010

Research Project

AN INTELLIGENT ROBOT FOR MONITORING AND PROTECTING TODDLERS

Project ID: 2023-326

Project Status Document

Weerarathne R.M.S.S

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

May 2023

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.
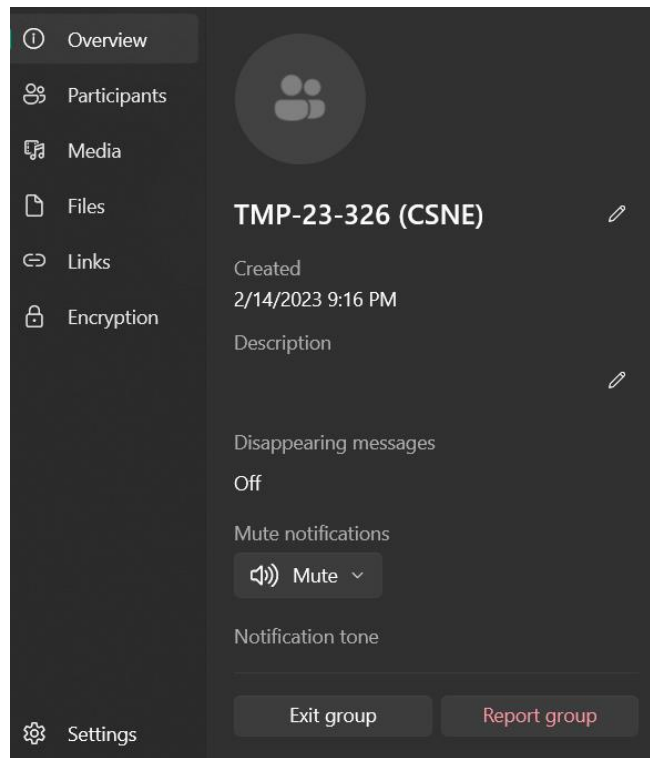
Name	Student ID	Signature
Weerarathne R.M.S.S	IT20280956	

- **Gantt chart for project work**

	1	2	3	4	5	6	7	8	9	10	11	12
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

- **WhatsApp group creation**

  02/14/2023

- **Asking suggestions from supervisors and arranging a meeting.**
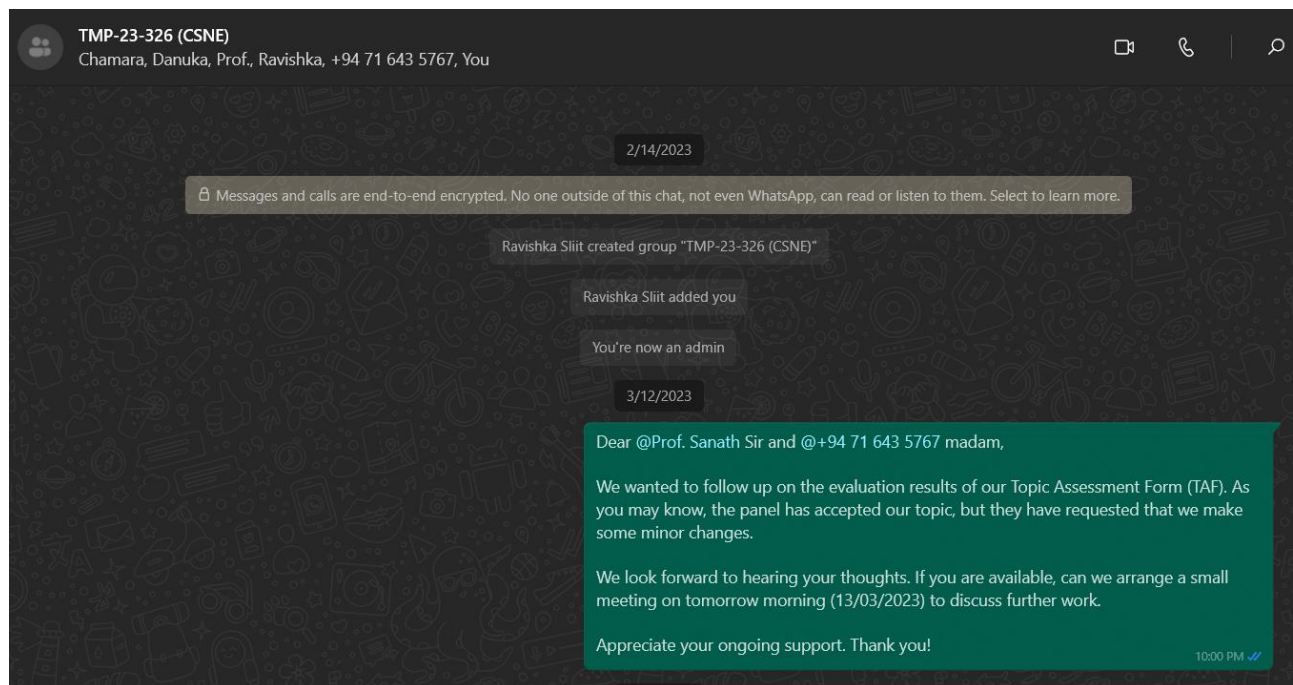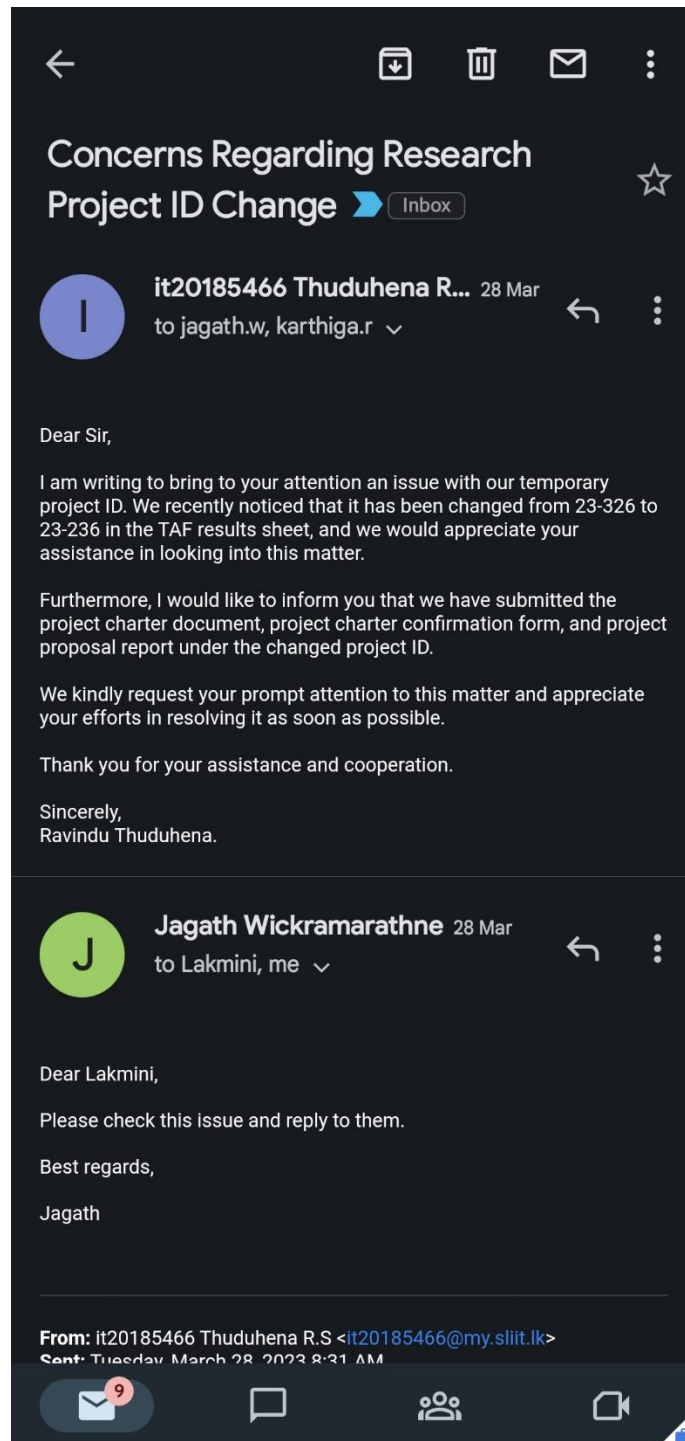
- **Requesting solve issue with the project ID.**

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

- **Project breakdown chart**

1. Background study
   - 1.1   Topic selection
   - 1.2   Define project scope and objectives.
   - 1.3   Feasibility study
   - 1.4   Literature Survey

2. Documentation
   - 2.1   Topic evaluation form
   - 2.2   Project charter
   - 2.3   Project proposal report
   - 2.4   progress report
   - 2.5   final report

3. Design
   - 3.1   Implementation of both pi cam and web cam.
   - 3.2   Design a system to identify animals.
   - 3.3   Implement a system to expel animals away from toddler.
   - 3.4   Implement a system to monitor the toddler.

4. Testing
   - 4.1   Test for functionality
   - 4.2   Test for safety
   - 4.3   Integration testing

- **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	*JU fayavad*