ONLINE LEARNING PLATFORM FOR HEARING IMPAIRED PEOPLE

Project ID: 2022-59

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1. Meeting Details

1.1 Meeting 1

Date: 3.01.2022 / 28.01.2022

Discussion: Finalizing a research topic and discussions on preparing a project proposal draft.





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1.2 Meeting 2

Date: 1.02.2022/11.02.2022

Discussion: Finalizing the project proposal.

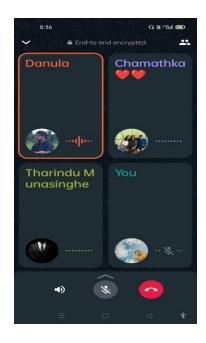


Figure 4:Meeting 2-1



Figure 3:Meeting 2-2

1.3 Meeting 3

Date: 6.04.2022/ 18.04.2022

Discussion: Discussing the issues related to the component for the progress presentation (50%)

- Selecting a proper dataset
- Selecting a model that can maintain a good accuracy
- Scope of the component



Figure 5:Meeting 3

1.4 Meeting 4

Date: 19.04.2022

Discussion: Individual discussion with the supervisor regarding a few doubts on the component.

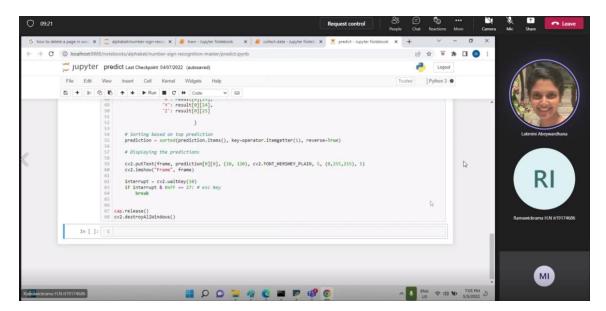


Figure 6:Meeting 4-1

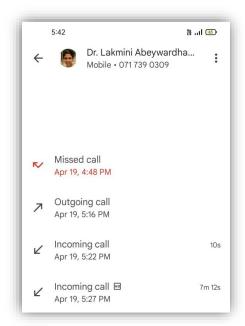


Figure 7:Meeting 4-2

1.5 Meeting 5

Date: 5/5/2022

Discussion:

- Progress of the completion of each component up to 50%.
- Screen sharing and demonstrating the component to the supervisor.



Figure 8: Meeting 5

1.6 Meeting 6

Date: 29.05.2022

Discussion: After the 50% progress presentation had a discussion on the feedback that was given by the panel and areas that needs to be improved.

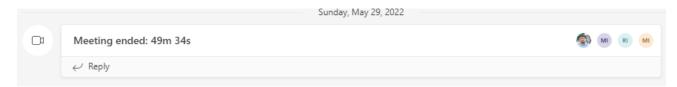


Figure 9: Meeting 6

1.7 Meeting 7

Date: 14.06.2022

Discussion: Starting to write the research paper draft.



Figure 10:Meeting 7

1.8 Meeting 8

Date: 23.06.2022

Discussion: Finalize the research paper draft before submission and getting supervisor feedback.

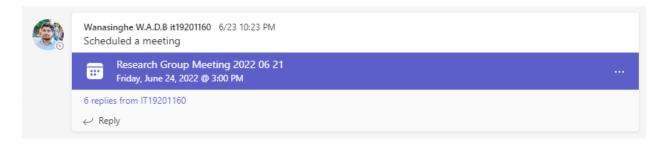


Figure 11: Meeting 8

1.9 Meeting 9

Date: 6.07.2022

Discussion: To get the supervisor's feedback on the research paper draft. Discussed certain areas that need to be changed and modified.

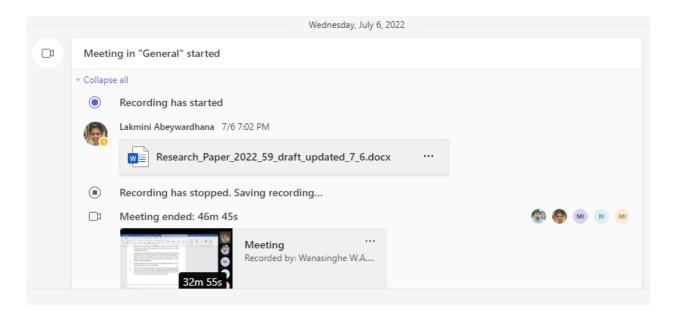


Figure 12: Meeting 9

1.10 Meeting 10

Date: 31/7/2022

Discussion: Discussion on the research paper.



Figure 13: Meeting 10

1.11 Meeting 11

Date: 6.07.2022

Discussion: Research paper writing discussions.

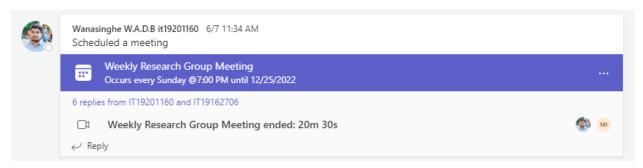


Figure 14: Meeting 11

1.12 Meeting 12

Date: 1.08.2022

Discussion: Discussed certain areas that were updated on my component with the supervisor and received advice. Individual group call.

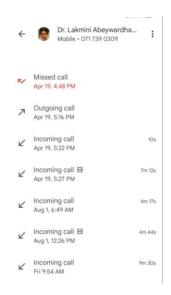


Figure 15: Meeting 12

1.13 Meeting 13

Date: 10.08.2022

Discussion: Had a group call with the supervisor to discuss on the changes and modifications that need to be done on the research paper draft.

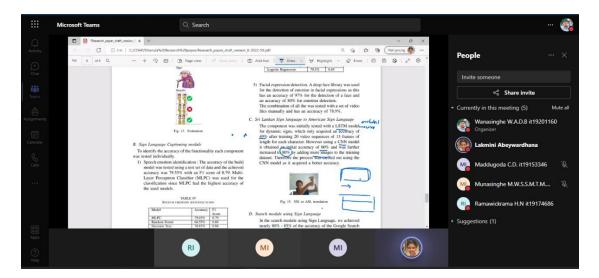


Figure 16:Meeting 13

1.14 Meeting 14

Date: 15.08.2022

Discussion: Finalizing the research paper

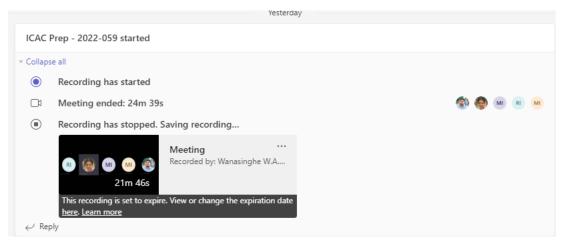


Figure 17:Meeting 14

1.15 Meeting 15

Date: 19.08.2022

Discussion: Preparing to send the research paper. Discussion on the budget.

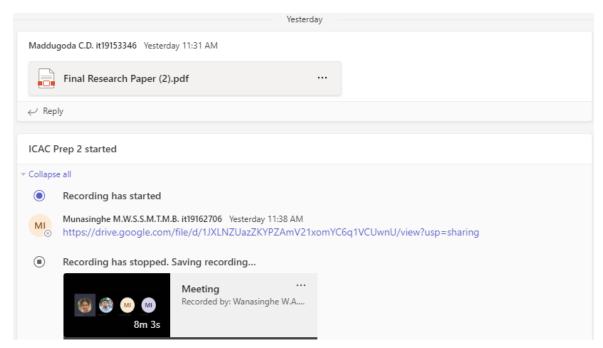


Figure 18:Meeting 15

1.16 Meeting 16

Date: 16/10/2022

Discussion: Discussed about the Progress presentation 2

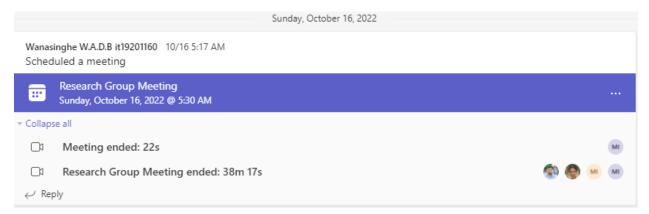


Figure 19: Meeting 16

1.17 Meeting 17

Date: 4/10/2022

Discussion: Preparation for the Progress Presentation 2

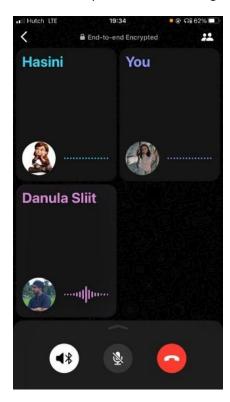


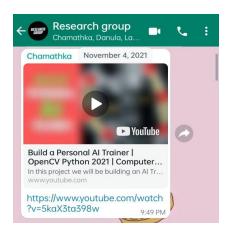
Figure 20:Meeting 17

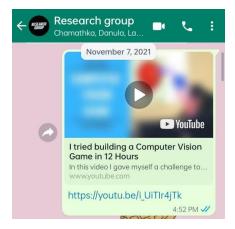
2. Conversation Details

2.1 Discussion 1

Date: 4.11.2021/7.11.2021/8.11.2021

Discussion: Selected a topic for the research. Came up with various ideas from YouTube tutorials, previous research papers, websites...etc.





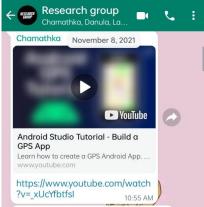


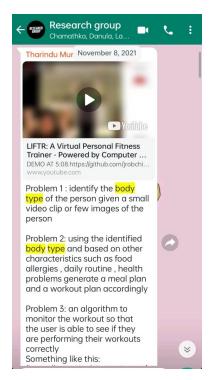
Figure 21: Discussion 1

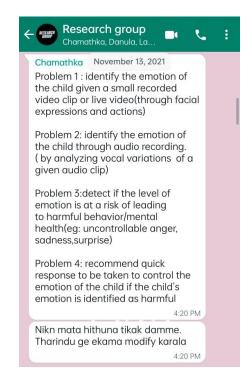
2.2 Discussion 2

Date: 8.11.2021/13.11.2021/12.12.2021

Discussion: Finalized a few topics for the research and divided them into 4 main components. Some of the suggested topics were:

- Implementing an online platform for the hearing-impaired community
- Emotion analysis of children to detect mental health issues.
- Virtual monitoring system for workout routines.





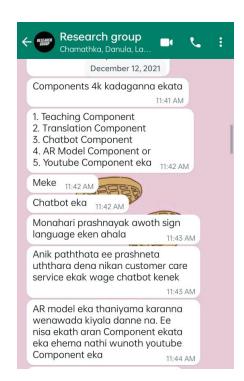


Figure 22: Discussion 2

2.3 Discussion 3

Date: 10.11.2021

Discussion: Decided on a supervisor from the specific research area to send the finalized research topics and the components.



Figure 23: Discussion 3

2.4 Discussion 4

Date:19.11.2021/26.11.2021/13.12.2021

Discussion: Sending the research topics from various domains along with the components to a few lecturers to get feedback and requesting for supervision.

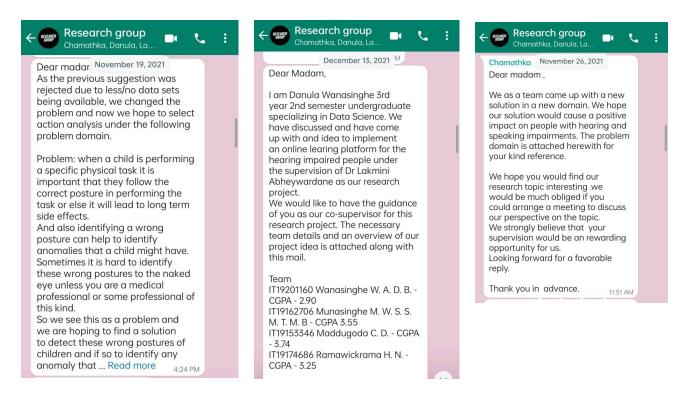


Figure 24: Discussion 4

2.5 Discussion 5

Date: 15.12.2021

Discussion: Requested Mr. Yashas Mallawarachchi to guide the research team as the co-supervisor.

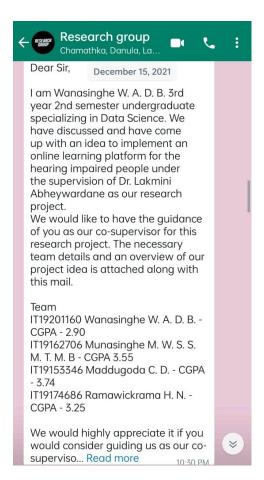


Figure 25: Discussion 5

2.6 Discussion 6

Date: 16.12.2022

Discussion: The topic Assignment form was sent to the supervisor prior to the submission, to get feedback and finalize the topic.

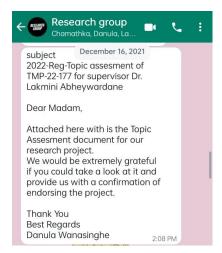


Figure 26: Discussion 6

2.7 Discussion 7

Date: 15.01.2022

Discussion: Finalized the project proposal Draft



Figure 27: Discussion 7

2.8 Discussion 8

Date: 1.02.2022

Discussion: Discussion on creating a survey for the research topic and getting responses.

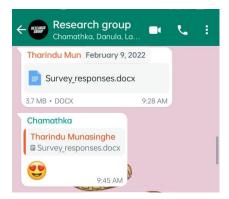


Figure 28: Discussion 8

2.9 Discussion 9

Date: 1.02.2022

Discussion: Creating the proposal presentation slides and getting feedback from the group members.

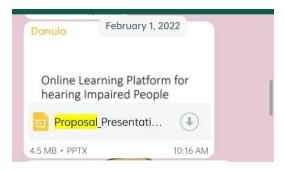


Figure 29: Discussion 9

2.10 Discussion 10

Date: 9.5.2022

Discussion: Coming up with a logo for the research topic.



Figure 30: Discussion 10

2.11 Discussion 11

Date: 9.5.2022/12.5.2022

Discussion: Updated the slides and finalized the progress presentation slides by each member.

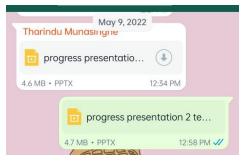


Figure 31: Discussion 11

2.12 Discussion 12

Date: 1.05.2022

Discussion: Had a discussion with the supervisor regarding the progress of each member's component.



Figure 32: Discussion 12

2.13 Discussion 13

Date: 1.05.2022

Discussion: Had a discussion with the supervisor regarding research paper writing.

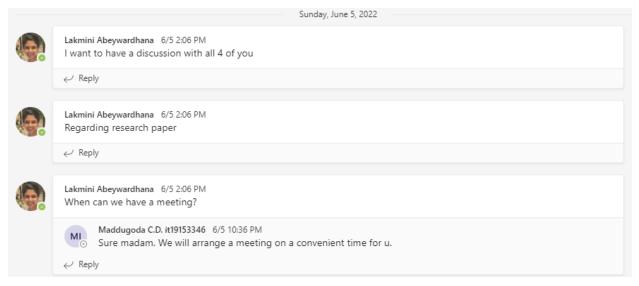


Figure 33: Discussion 13

2.14 Discussion 14

Date: 13.06.2022/28.06.2022

Discussion: Discussed updating and modifying different parts of the research paper.

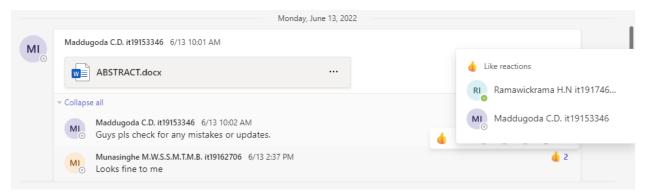


Figure 35: Discussion 14-1

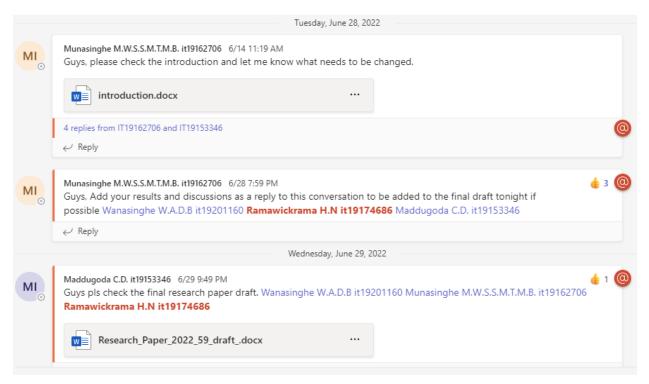


Figure 34: Discussion 15-2

2.14 Discussion 14

Date: 1.08.2022

Discussion: Had a discussion with the supervisor on certain parts that need to be changed in the CNN architecture diagram.



Figure 36: Discussion 14

2.15 Discussion 15

Date: 10.08.2022

Discussion: sent an updated version of the individual component before adding the details to the research paper. Changes that were done:

- Adding a table comparing the accuracies of each model used.
- Adding information on several other dynamic gestures that were newly trained.

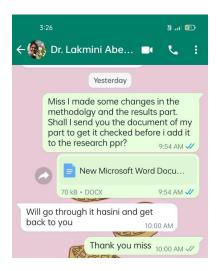


Figure 37: Discussion 15

2.16 Discussion 16

Date: 9/10/2022

Discussion: Preparation for Progress presentation 2. Preparing slides and the research poster.

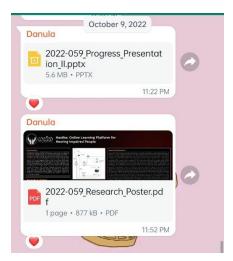


Figure 38: Discussion 16

2.17 Discussion 17

Date: 12/10/2022

Discussion: Discussion on the marks released and the progress Presentation 2.



Figure 39: Discussion 17