

**CHAT-BOT SYSTEM FOR COMPUTERS, ACCESSORIES &  
REPAIR CENTER RECOMMENDATION**

TMP-23-283

Status Document 2

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## Contents

Project Management Tools.....	3
Microsoft Teams Planner .....	4
Planner board .....	4
Completed Tasks .....	5
In-Progress Task .....	6
To do Task.....	6
Gantt Chart.....	7
Work Breakdown Structure .....	7
Screen Shots .....	8
Meetings conducted to complete the proposal report.....	8
Meetings Conducted to complete the proposal presentation .....	9
General Meetings .....	10
Attendance Report of the meetings conducted with the supervisor .....	10
All the meeting attendance reports are done until now .....	11
WhatsApp calls .....	12
Git Lab commits.....	13

## Project Management tools

For the project management tool, we used MS Teams. Created a separate team with all 4 members for the research.

The screenshot shows a Microsoft Teams chat interface for a team named "SWAM - Research Project". The chat is in the "General" channel. The interface includes a left sidebar with the team name and a "General" channel selected. The main chat area shows a series of messages:

- A message from "Thirimanne S.U. #20225506" dated 3/26 6:55 PM, stating "Scheduled a meeting". Below it is a blue banner for "Proposal Presentation Prep." scheduled for Sunday, March 26, 2023 @ 10:00 PM. There are 4 replies from you and IT20225506.
- A date separator for Monday, March 27, 2023, with reaction icons (👍, ❤️, 😊, 🤔, 🗨️).
- A message from "Thirimanne S.U. #20225506" dated 3/27 6:06 PM, containing a link: <https://support.slit.lk/kb/articles/lockdown-browser-faqs-installing>. There is 1 reply.
- A date separator for Thursday, March 30, 2023.
- A message from "Thirimanne S.U. #20225506" dated 3/30 7:20 PM, stating "Scheduled a meeting". Below it is a blue banner for "Proposal Presentation Prep." scheduled for Thursday, March 30, 2023 @ 8:00 PM. There are 5 replies from you, IT20225506, and IT20125998.
- A date separator for Saturday, April 1, 2023.
- A message from "Thirimanne S.U. #20225506" dated 4/1 8:33 AM, stating "Hi All. Arranging this meeting in order to discuss how we move on forward with the proposal documents." Below it is a blue banner for "Proposal Document Finalization" scheduled for Tuesday, April 4, 2023 @ 9:30 PM. There is 1 reply.

At the bottom of the chat area, there is a button labeled "New conversation".

# Microsoft Teams Planner

## Planner board

Initial Planner board with 3 categories to do, in progress & done.

The screenshot displays the Microsoft Teams Planner interface for a project named "SWAM - Research Proj...". The top section features three summary charts:

- Status:** A donut chart showing 4 tasks left. A table below lists: Not started (4), In progress (0), Late (0), and Completed (24).
- Bucket:** A bar chart showing counts for To do (1), In-Progress (3), and Done (24).
- Priority:** A bar chart showing counts for Urgent (1), Important (8), Medium (19), and Low (0).

The main task board is organized into three columns: "To do", "In-Progress", and "Done".

- To do:** Contains one task: "Final Presentation" due on 10/31.
- In-Progress:** Contains three tasks: "Complete Status Document 2" (due 09/06), "Complete the LogBook" (due 09/06), and "Final Report" (due 10/31).
- Done:** Lists 24 completed tasks, including "Progress Presentation-2", "Integrate Systems and Focus for PP2", "Recommendation System-Component", "Research Paper-Submission", "Progress Presentation-Poster", "Research Paper-Draft-Submission", and "ASR-Model".

The interface includes navigation tabs (General, Posts, Files, Tasks), a "Meet" button, and options to group by bucket, filter, list, board, charts, or schedule.

## Completed Tasks

Completed tasks 24 ^

- ✓ Progress Presentation-2
- Completed by Thirimanne S.U. it...
- ✓ Integrate Systems and Focus for PP2
- Completed by Thirimanne S.U. it...
- ✓ Recommendation System Component
- Completed by Senadheera H.A.M...
- ✓ Research Paper Submission

Project Research Title

3. Review details of the project in a group project, based on details of group leader (link)

Student ID	Name	Group	Phone

4. Supervisor details

5. Review your project (include data collected, forecast following group?)

- 1. Publish or create profile
- 2. Prepare to work together effectively
- 3. Apply software, design specific solution
- 4. Prepare

- ✓ Ethical Clearance Doc
- Ethical Clearance Form.docx
- Completed by Thirimanne S.U. it...
- ✓ Prepare Overall Proposal Document
- Confirm from CDAP team if overall proposal doc is needed.
- Completed by Thirimanne S.U. it...
- ✓ Project Proposal Presentation
- Do the presentation according to the template given
- Completed by Thirimanne S.U. it...
- ✓ Project Proposal Draft submission for the supervisor
- Completed by Rathnaweera R.P....
- ✓ Charter Document Submission
- Blocked due to Group Number not existing in the form dropdown (New update : must upload the charter and continue the ongoing work)




- ✓ Research Paper Submission
- Completed by Rathnaweera R.P....
- ✓ Progress Presentation Poster
- Completed by Thirimanne S.U. it...
- ✓ Research Paper Draft Submission
- Completed by Rathnaweera R.P....
- ✓ ASR Model
- Completed by Rathnaweera R.P....
- ✓ Research Paper Introduction Writing
- Completed by Thirimanne S.U. it...
- ✓ Finalize Status Doc 1
- Completed by Amanullath M. U i...
- ✓ Implementation targeting PP1
- Completed by Thirimanne S.U. it...
- ✓ Finalized Proposal Document
- Finalize proposal document as per points given by Dr. Dharshana.
- Completed by Thirimanne S.U. it...

## In-Progress Task




**In-Progress**

+ Add task




Complete Status Document 2

09/06    +1

Complete the LogBook

09/06    +1

Final Report




10/31    +1

## To do Task

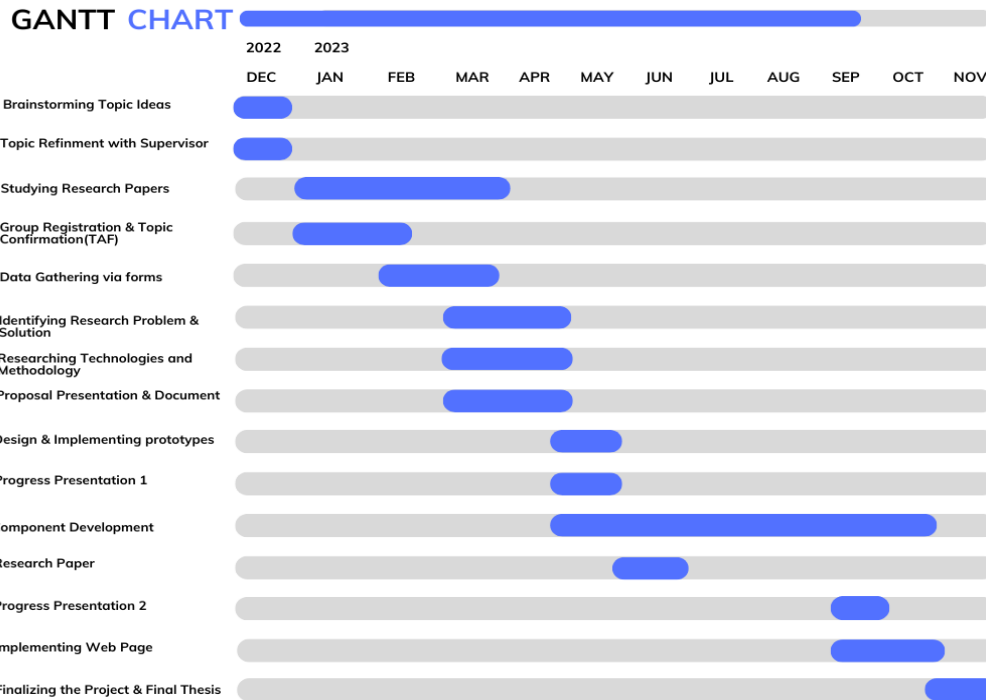
**To do**

+ Add task

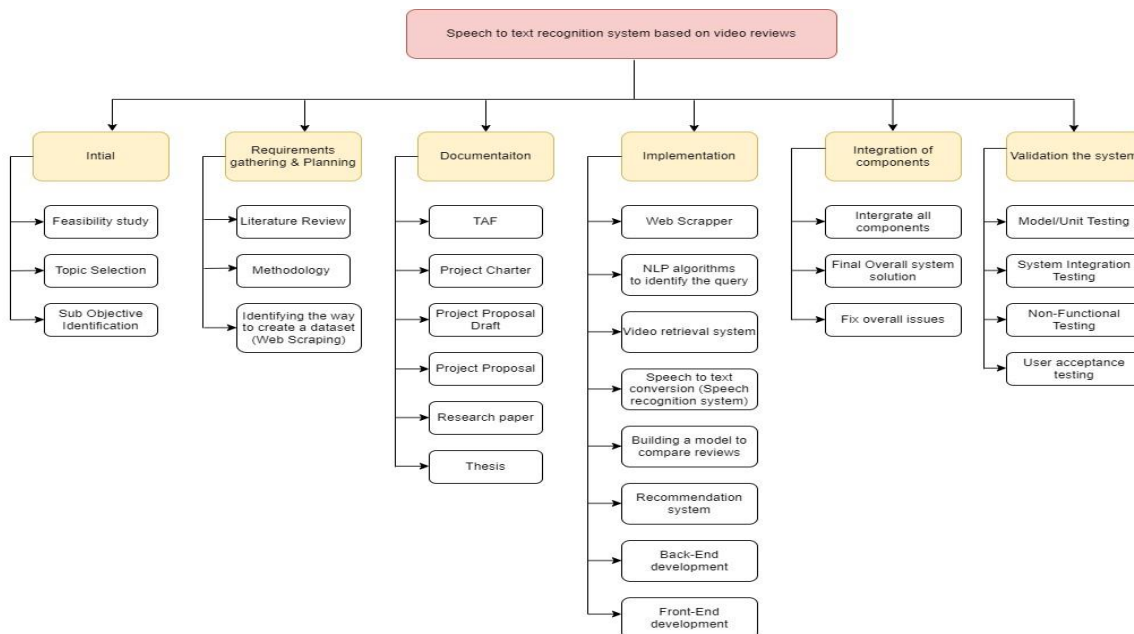
Final Presentation

10/31    +1

# Gantt Chart

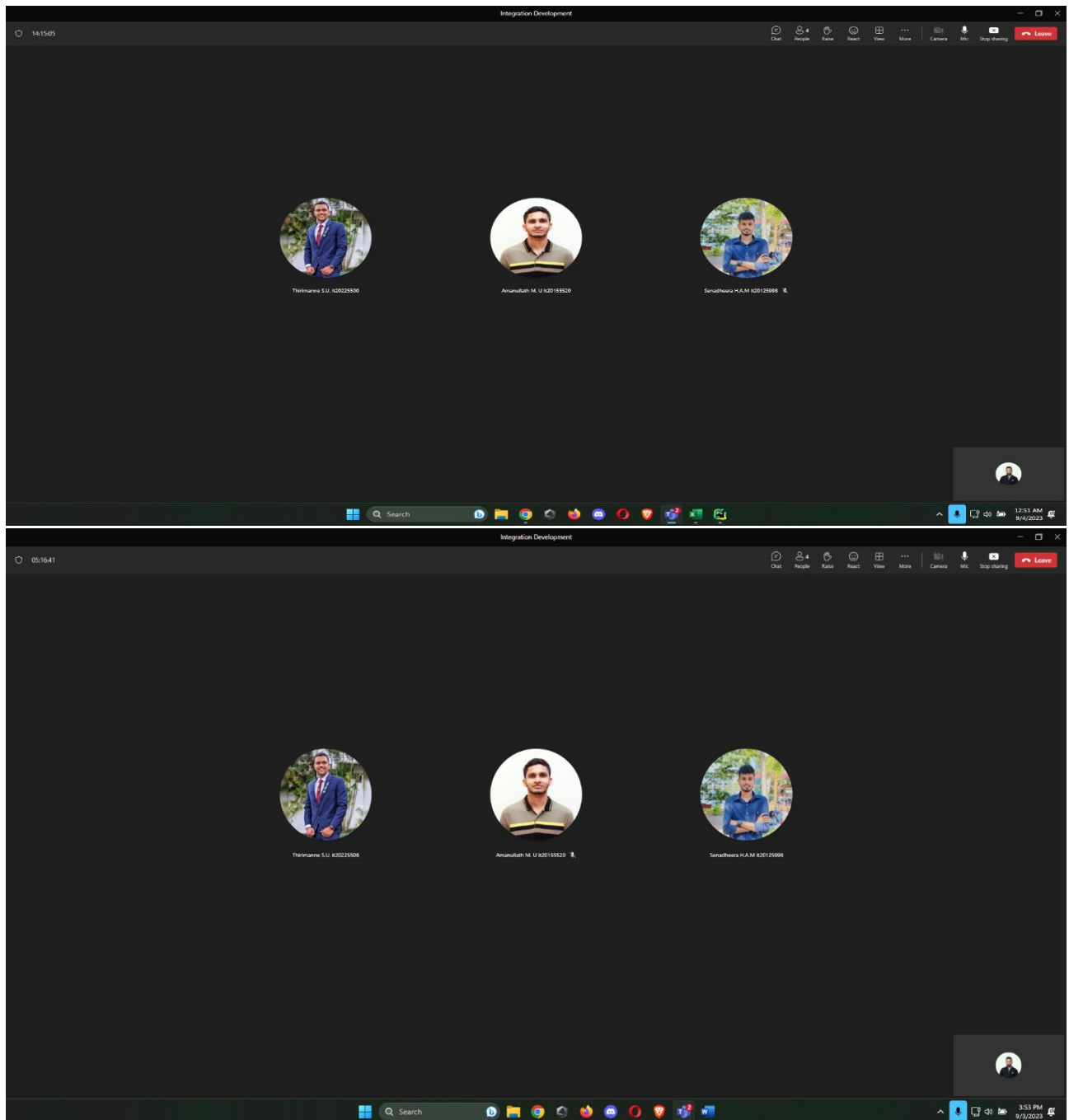


# Work Breakdown Structure



## Screen Shots

Meetings conducted to complete the pp2 integration.





The screenshot shows a Zoom meeting titled "Meeting in 'General'". The main window displays a code editor with Python code for a recommendation system. The code includes a Flask route for recommendations and a function for transcribing audio. The terminal window shows the following error messages:

```
File "D:\MyFiles\Projects\Research\Imp-23-283\Chatbot\chatbot\lib\site-packages\flask\app.py", line 1467, in full_dispatch_request
return self.finalize_request(rv)
File "D:\MyFiles\Projects\Research\Imp-23-283\Chatbot\chatbot\lib\site-packages\flask\app.py", line 1506, in finalize_request
response = self.make_response(rv)
File "D:\MyFiles\Projects\Research\Imp-23-283\Chatbot\chatbot\lib\site-packages\flask\app.py", line 1837, in make_response
raise TypeError(
TypeError: The view function did not return a valid response. The return type must be a string, dict, list, tuple with headers or status, Response Instance, or WSGI callable, but it was a DataFrame.
```

The participants list on the right includes: Rathnaweera R.P.W.G. #20237554 (Organizer), Amanullath M. U. #20155520, Senadheera H.A.M. #20125998, and Thirimanne S.U. #20225506.

Meetings conducted to complete the research paper.

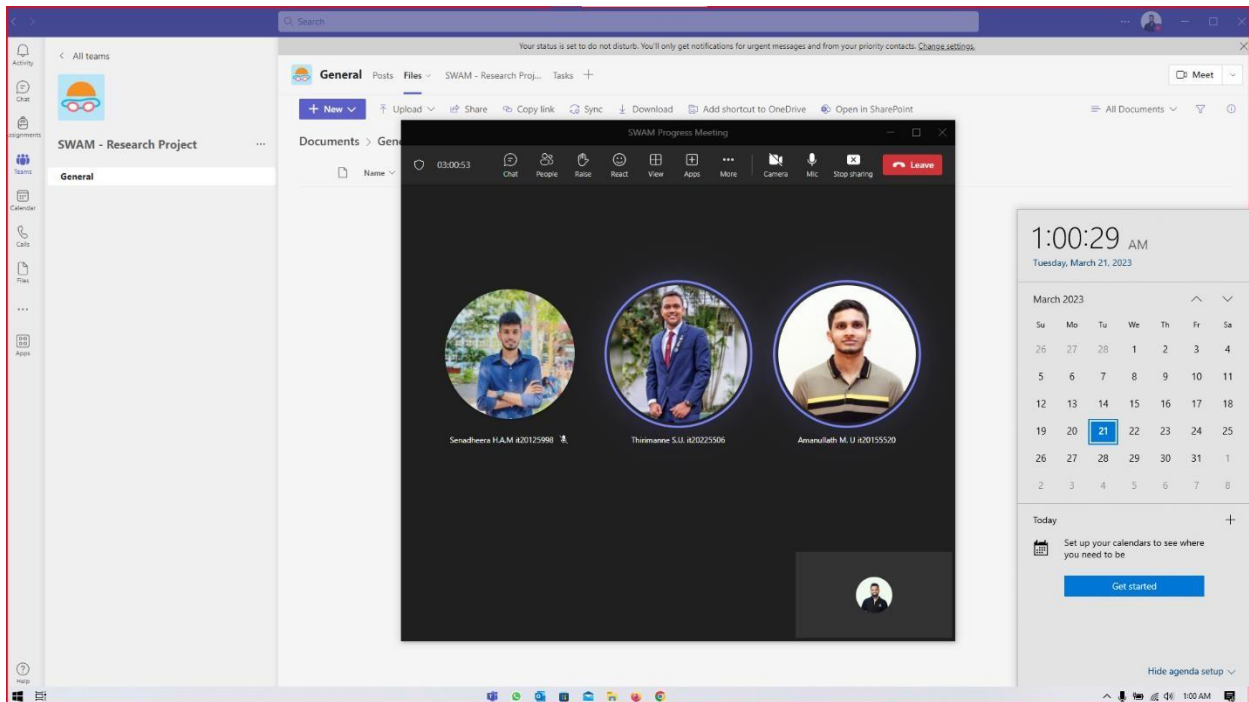
The screenshot shows a Zoom meeting titled "Research Paper - Finalization". The main window displays a web browser with a code editor showing a research paper draft. The paper includes a list of references and a conclusion section. The references listed are:

- [1] E. J. Condon, B. N. Noble, and I. N. Sneddon, "On certain integrals of  $J_0 J_1$  type involving products of Bessel functions," *Phil. Trans. Roy. Soc. London*, vol. A247, pp. 529–551, April 1955.
- [2] J. Clerk Maxwell, *A Treatise on Electricity and Magnetism*, 3rd ed., vol. 2. Oxford: Clarendon, 1892, pp.68–73.
- [3] I. S. Jacobs and C. P. Bean, "Fine particles, thin films and exchange anisotropy," in *Magnetism*, vol. III, G. T. Rado and H. Suhl, Eds. New York: Academic, 1963, pp. 271–350.
- [4] K. Elissa, "Title of paper if known," unpublished.
- [5] R. Nicole, "Title of paper with only first word capitalized," J. Name Stand. Abbrev., in press.
- [6] Y. Yorozu, M. Hirano, K. Oka, and Y. Tagawa, "Electron spectroscopy studies on magneto-optical media and plastic substrate interface," *IEEE Trans. J. Magn. Japan*, vol. 2, pp. 740–741, August 1987 [Digests 9th Annual Conf. Magnetics Japan, p. 301, 1982].
- [7] M. Young, *The Technical Writer's Handbook*. Mill Valley, CA: University Science, 1989.
- [8] vend(thesh|biography)
- [9] \vspace{12pt}
- [10] \color{red}

The conclusion section states: "IEEE conference templates contain guidance text for composing and formatting conference papers. Please ensure that all template text is removed from your conference paper prior to submission to the conference. Failure to remove the template text from your paper may result in your paper not being published."

The participants list on the right includes: Amanullath M. U. #20155520 and Thirimanne S.U. #20225506.

## General Meetings



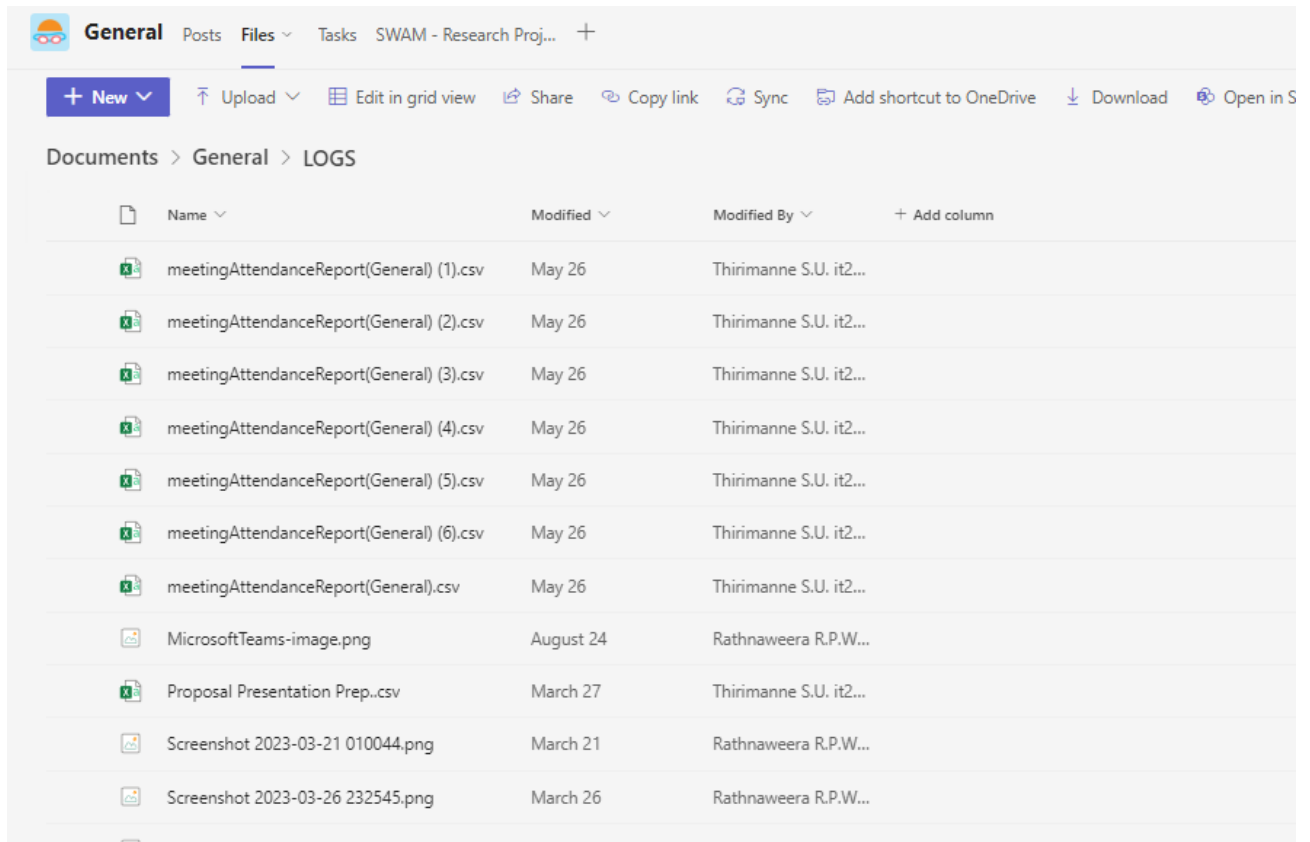
## Attendance Report of the meetings conducted with the supervisor.

Proposal Presentation Prep.

File Home Insert Draw Page Layout Formulas Data Review View Automate

Full Name	User Action	Timestamp
Thirimanne S.U. it20225506	Joined	3/27/2023, 5:29:23 PM
Rathnaweera R.P.W.G it20237554	Joined	3/27/2023, 5:30:06 PM
Amanullath M. U it20155520	Joined	3/27/2023, 5:30:21 PM
Amanullath M. U it20155520	Left	3/27/2023, 5:49:04 PM
Amanullath M. U it20155520	Joined	3/27/2023, 5:49:05 PM
Amanullath M. U it20155520	Left	3/27/2023, 6:01:01 PM
Lakmini Abeywardhana	Joined	3/27/2023, 5:31:10 PM
Lakmini Abeywardhana	Joined	3/27/2023, 5:31:13 PM
Lakmini Abeywardhana	Joined	3/27/2023, 5:31:18 PM
Lakmini Abeywardhana	Left	3/27/2023, 6:01:02 PM
Senadheera H.A.M it20125998	Joined	3/27/2023, 5:31:13 PM
Senadheera H.A.M it20125998	Left	3/27/2023, 5:31:18 PM
Senadheera H.A.M it20125998	Joined	3/27/2023, 5:33:05 PM
Senadheera H.A.M it20125998	Left	3/27/2023, 6:01:05 PM

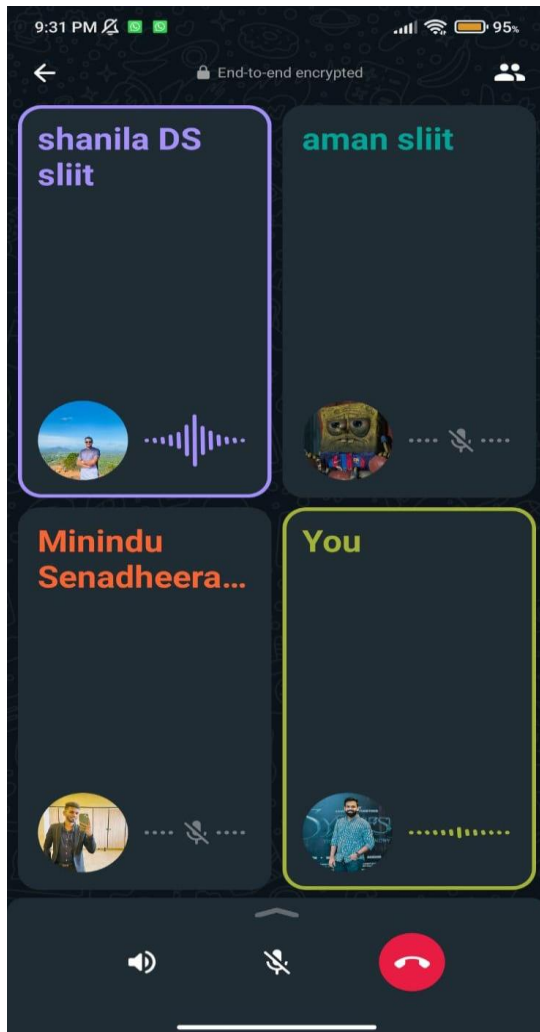
All the meeting attendance reports are done until now.



The screenshot shows a OneDrive interface for a folder named 'General'. The breadcrumb path is 'Documents > General > LOGS'. The table below lists several files, primarily CSV files named 'meetingAttendanceReport(General) (1).csv' through '(6).csv', and some PNG files. The columns are 'Name', 'Modified', and 'Modified By'. The CSV files were all modified on May 26, and the PNG files were modified on August 24, March 27, and March 21.

Name	Modified	Modified By
meetingAttendanceReport(General) (1).csv	May 26	Thirimanne S.U. it2...
meetingAttendanceReport(General) (2).csv	May 26	Thirimanne S.U. it2...
meetingAttendanceReport(General) (3).csv	May 26	Thirimanne S.U. it2...
meetingAttendanceReport(General) (4).csv	May 26	Thirimanne S.U. it2...
meetingAttendanceReport(General) (5).csv	May 26	Thirimanne S.U. it2...
meetingAttendanceReport(General) (6).csv	May 26	Thirimanne S.U. it2...
meetingAttendanceReport(General).csv	May 26	Thirimanne S.U. it2...
MicrosoftTeams-image.png	August 24	Rathnaweera R.P.W...
Proposal Presentation Prep..csv	March 27	Thirimanne S.U. it2...
Screenshot 2023-03-21 010044.png	March 21	Rathnaweera R.P.W...
Screenshot 2023-03-26 232545.png	March 26	Rathnaweera R.P.W...

# WhatsApp calls



# Git Lab commits.

Repository: IT20237554Rathn... | Branch: tmp-23-283 | Filter by commit message

03 Sep, 2023 10 commits

- Merge branch 'master' of http://gitlab.sliit.lk/tmp-23-283/tmp-23-283 into IT20237554Rathnaweera (111dce40)
- Merge branch 'IT20225506Thirimanne' into 'master' (93b875af)
- Add Google Maps Scraper (6f832a5a)
- Merge branch 'master' of http://gitlab.sliit.lk/tmp-23-283/tmp-23-283 into IT20225506Thirimanne (07143d36)
- added the NER model and code (a8711928)
- Merge branch 'IT20237554Rathnaweera' into 'master' (4eb041fa)
- Add Youtube automation fuction in chatbot (a0bf2f46)
- Merge branch 'IT20225506Thirimanne' into 'master' (a1ef8dc2)
- chat Bot enhanced to ask laptop or purpose (66ccab7b)
- Merge branch 'IT20155520Amanullath' into 'master' (79f90a02)

02 Sep, 2023 13 commits

- Integrate recommendation model into the chatbot (f9fc78fb)

## 01 Sep, 2023 19 commits

- repair centres datasets (6f265ab0)
- Add voice input function in chatbot (45d1976d)
- gitignore updated (565073b2)
- include mongodb uri in env file (5e392a1f)
- add google api key to an env file (45682833)
- collaborative based recommendation done (170300ad)
- Merge branch 'master' of http://gitlab.sliit.lk/tmp-23-283/tmp-23-283 into IT20237554Rathnaweera (662ab9b1)
- ASR Model Added (5630e676)
- add some comments (3912c4d6)
- Merge branch 'IT20155520Amanullath' into 'master' (1dc7566a)
- minor debugging (54f059a4)
- add image upload icon in chatbot (d4a7abe5)
- did basic preprocessing for the laptops (2aa1442a)