

**Detection of Energy Consumption and Performance of Third-party
Applications using Machine Learning and Artificial Intelligence**

22_23-J 87

Status Document 1

Research Project - IT4010 (2022/23 June)

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PROJECT MEMBER DETAILS:

Name	Registration Number
Jayasinghe H.M.C.P.	IT19048338

GitLab Registration

- Repository Creation

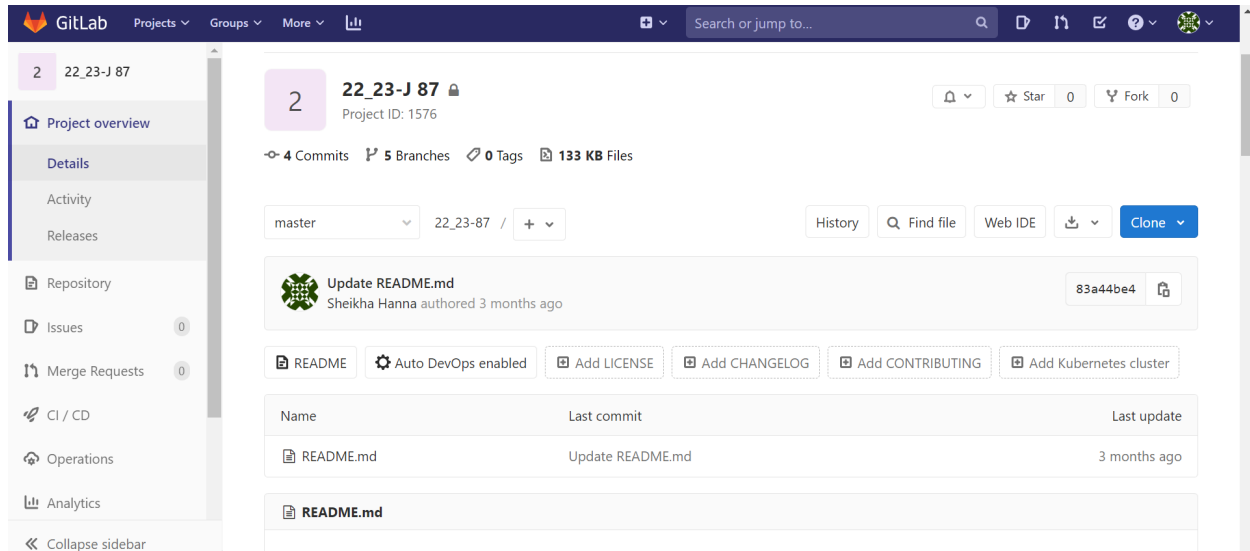


Figure 1: Repository Creation

- Members

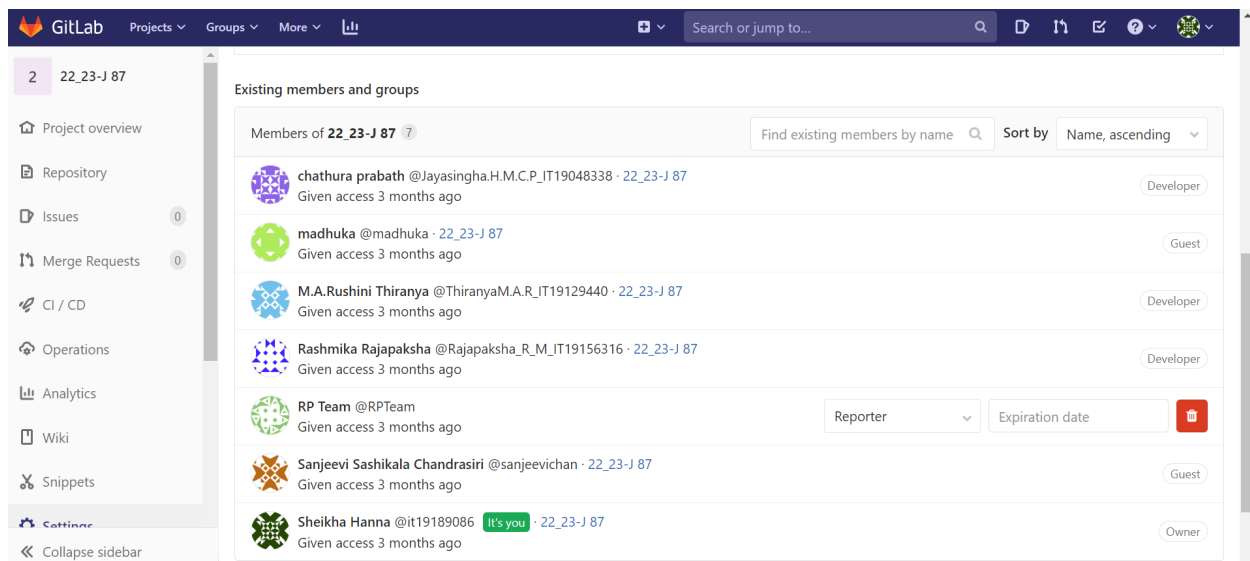


Figure 2: Repository Members

- Branches

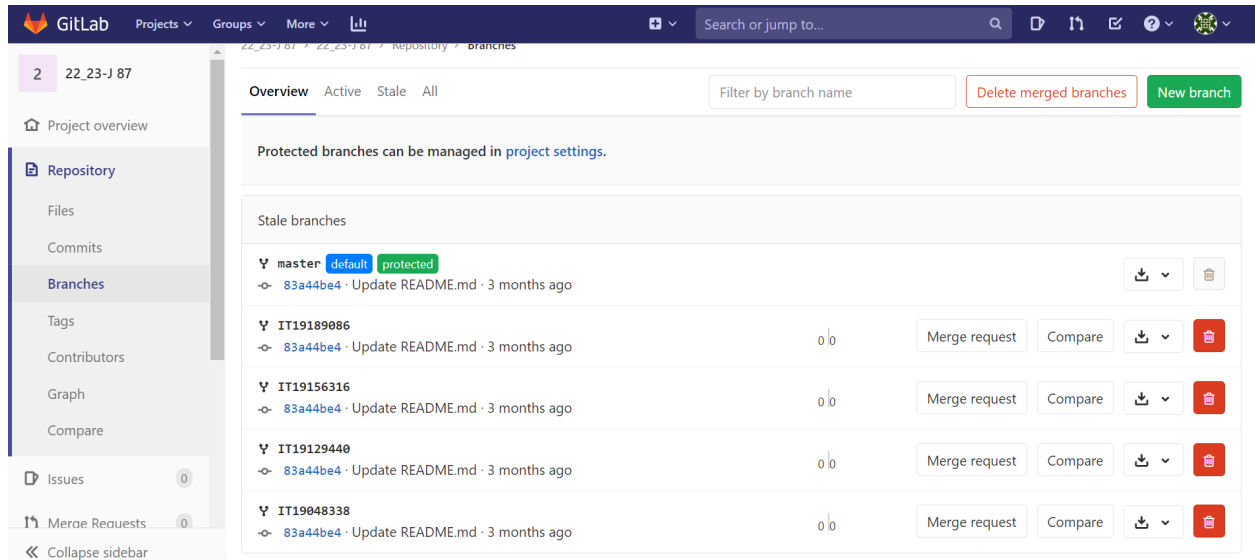


Figure 3: Repository Branches

- README.txt

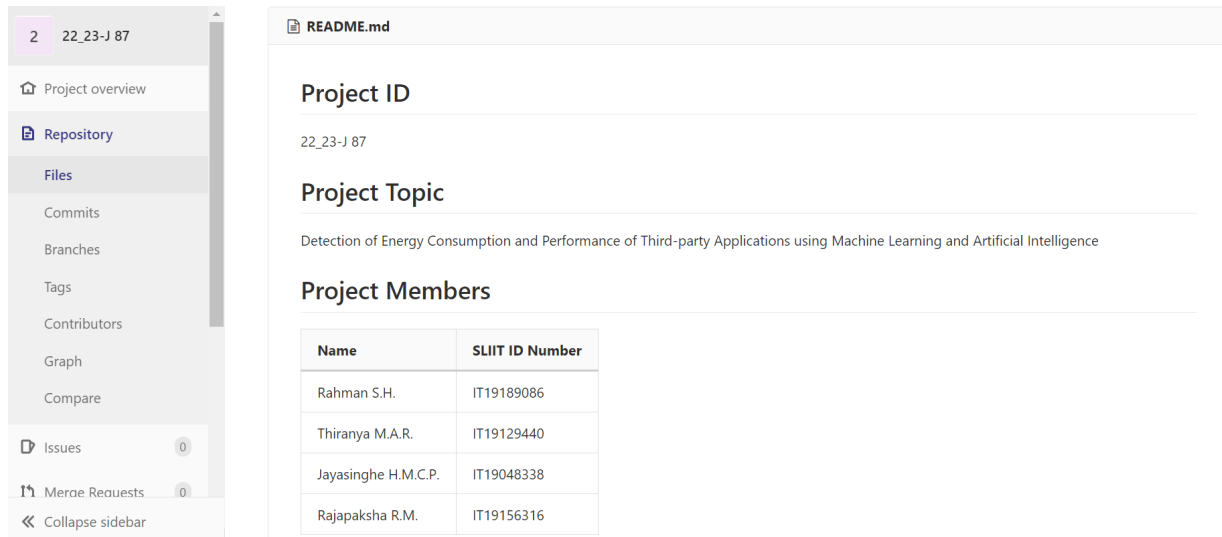


Figure 4: Repository README file

MS Teams

- Teams Meetings and Chats

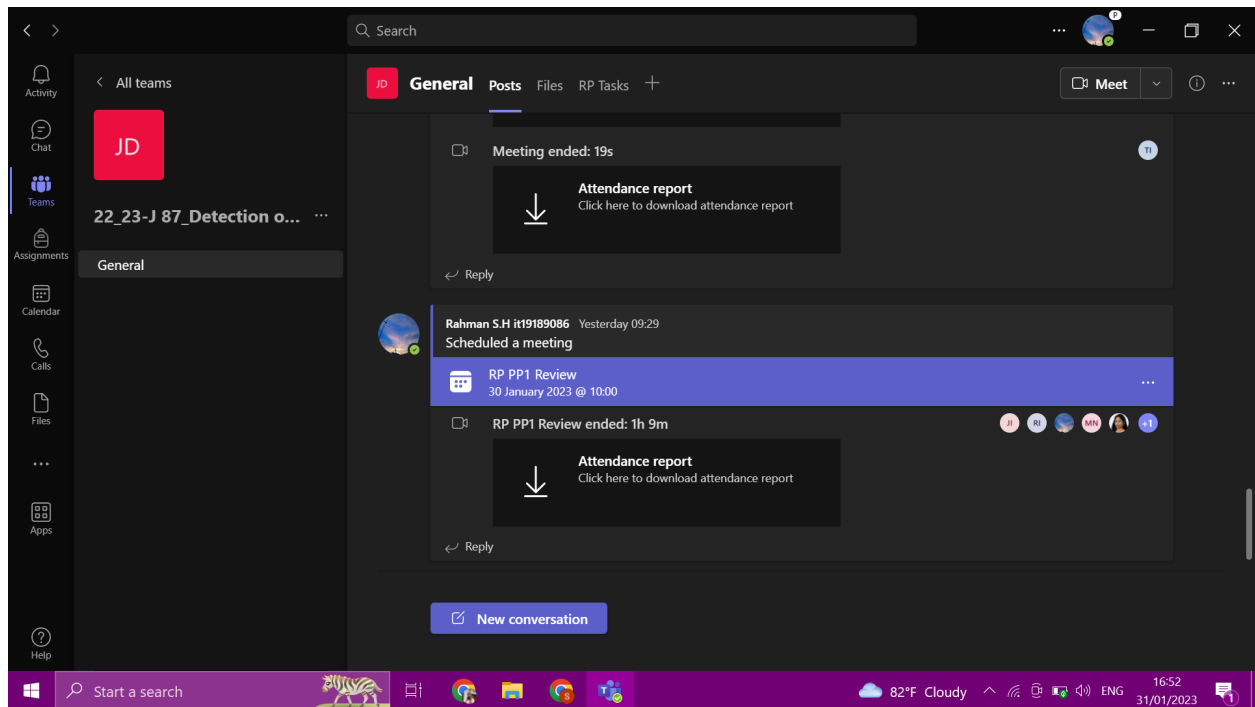


Figure 5: Teams Channel

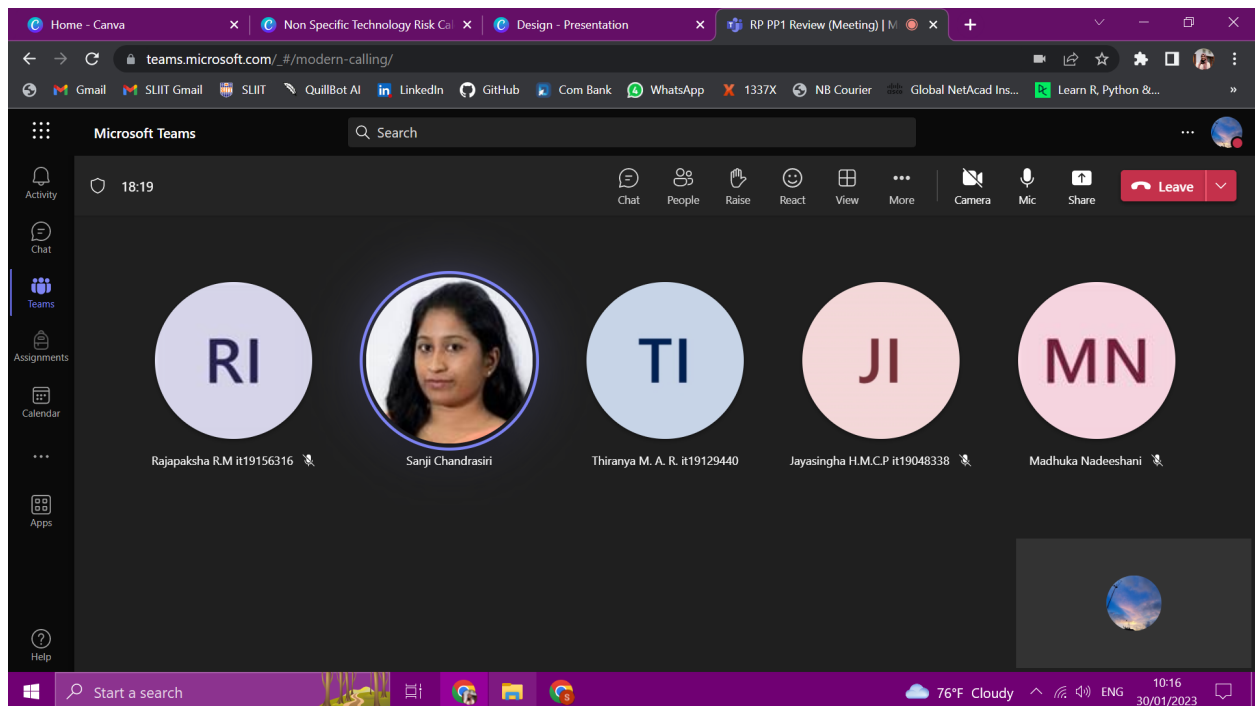


Figure 6: Progress Presentation 1 (PP1) Review and Feedback

The screenshot shows a Microsoft Teams meeting in progress. The main window displays a Jupyter Notebook titled 'processedData'. The notebook contains the following code and output:

```

In [32]: csv_path_apps = "mobile_dataset.csv"
         csv_path_reviews = "googleplaystore_user_reviews.csv"
         app_df = pd.read_csv(csv_path_apps)
         reviews_df = pd.read_csv(csv_path_reviews)

Displaying the top 5 records in the app dataset.

In [33]: app_df.head()
Out[33]:
  App Category Rating Reviews Size Installs Type Price Content Rating Genres Last Updated Current Ver Android Ver Ram Usage
0  Photo Editor & Candy Camera & Glitter & Scrapbook ART_AND_DESIGN 4.1 159 19 10,000+ Free 0 Everyone Art & Design January 7, 2018 1.0.0 4.0.3 and up 2299.0
1  Coloring book for kids ART_AND_DESIGN 3.9 967 14 500,000+ Free 0 Everyone Art & Design Prepaid Play January 15, 2018 2.0.0 4.0.3 and up 1094.0
2  UI Launcher Lite - FREE Live Grid Themes, Wallpapers ART_AND_DESIGN 4.7 67910 8.7 5,000,000+ Free 0 Everyone Art & Design August 1, 2018 1.2.4 4.0.3 and up 1052.7
3  Sketch - Draw & Paint ART_AND_DESIGN 4.5 219844 25 50,000,000+ Free 0 Teen Art & Design June 8, 2018 1.0.0 4.2 and up 3025.0
4  Pixel Draw - Drawing App ART_AND_DESIGN 4.3 967 2.8 100,000+ Free 0 Everyone Design Creativity June 20, 2018 1.1 4.4 and up 338.8

Displaying the top 5 records in the reviews dataset.

In [34]: reviews_df.head()

```

The meeting interface shows a sidebar with navigation icons (Activity, Chat, Teams, Assignments, Calendar, Apps, Help). The top bar includes a search bar and a participant list with icons for 'RI' (Rajapaksha R.M.), 'TI' (Thiranya M.A.), and '6' (Everyone). The bottom status bar displays the time as 10:22 on 30/01/2023 and the weather as 76°F Cloudy.

Figure 7: Progress Presentation 1 (PP1) Review and Feedback

The screenshot shows a Microsoft Teams meeting in progress. The main window displays a Visual Studio Code editor with a file named 'ebecssy_designer.js'. The code includes a login UI and a survey designer. The meeting interface shows a sidebar with navigation icons (Activity, Chat, Teams, Assignments, Calendar, Apps, Help). The top bar includes a search bar and a participant list with icons for 'RI' (Rajapaksha R.M.), 'TI' (Thiranya M.A.), and '6' (Everyone). The bottom status bar displays the time as 10:31 on 30/01/2023 and the weather as 76°F Cloudy.

Figure 8: Progress Presentation 1 (PP1) Review and Feedback

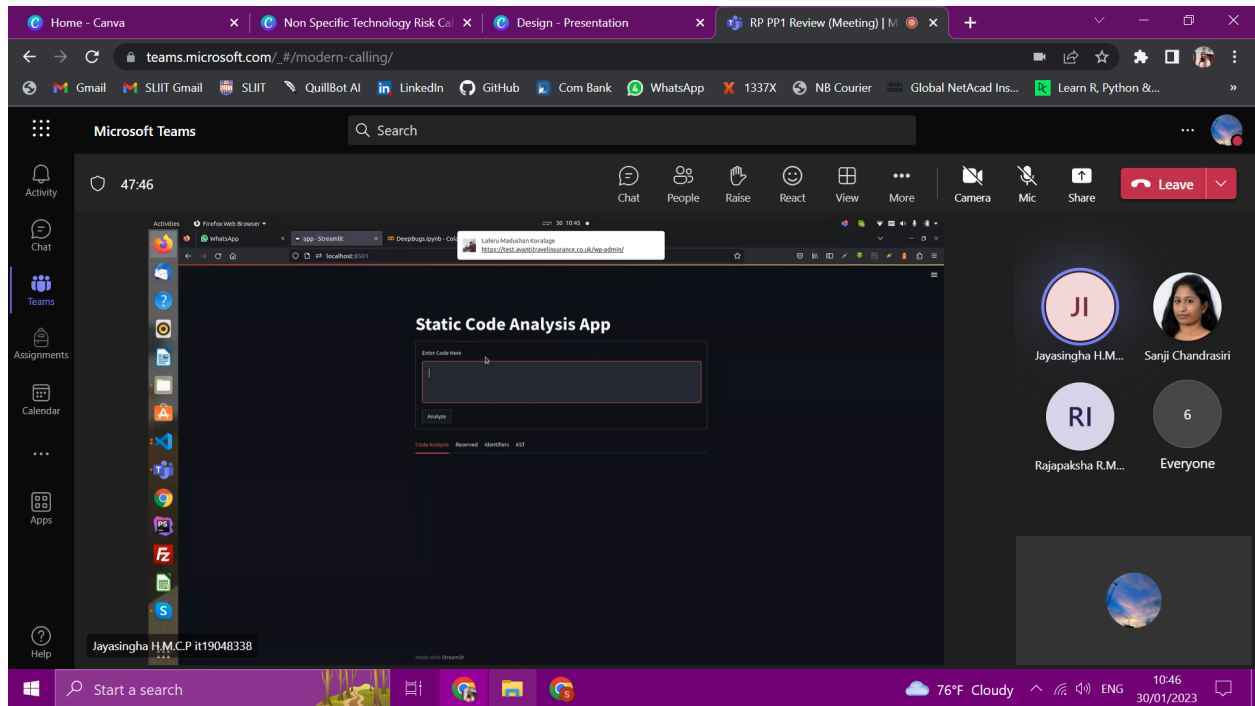


Figure 9: Progress Presentation 1 (PP1) Review and Feedback

- Calendar

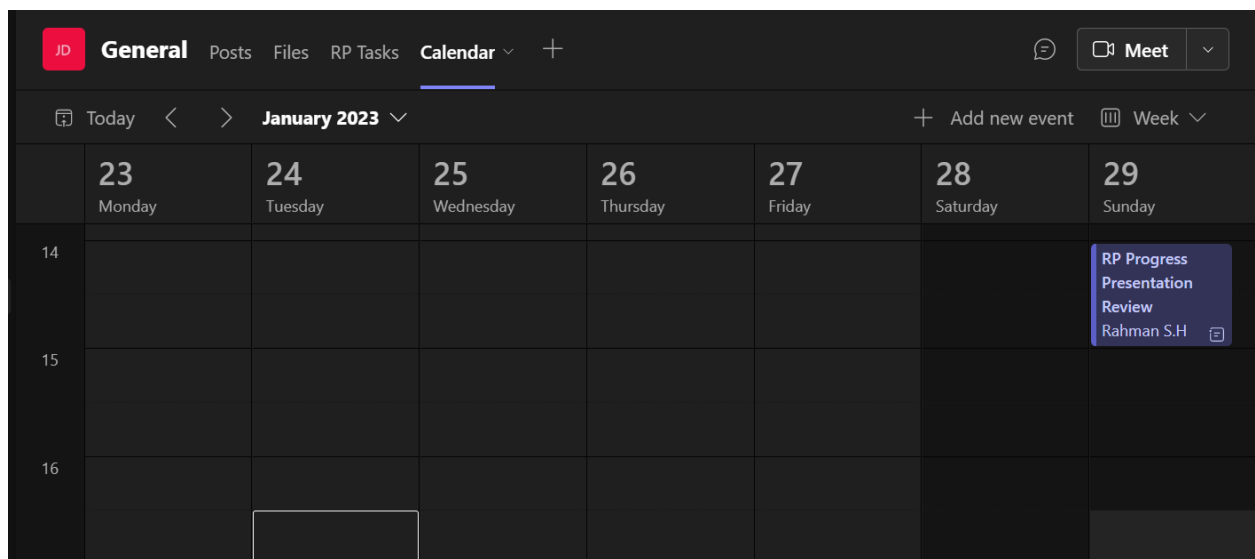


Figure 10: Channel Calendar Events

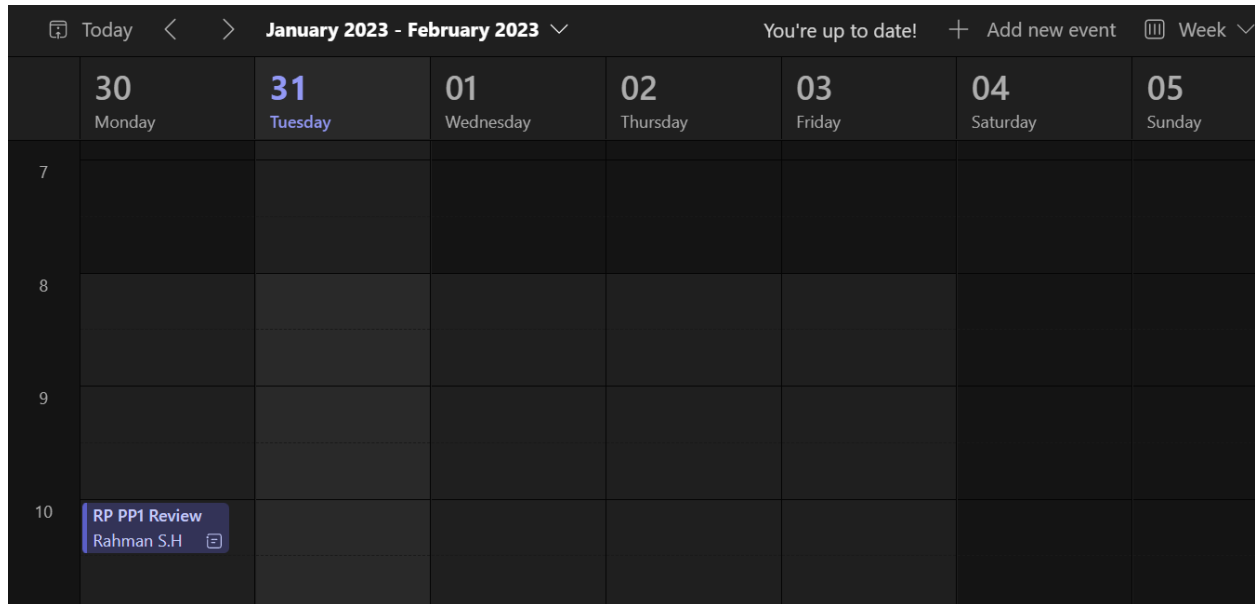


Figure 11: Channel Calendar Events

- **Board Planner**

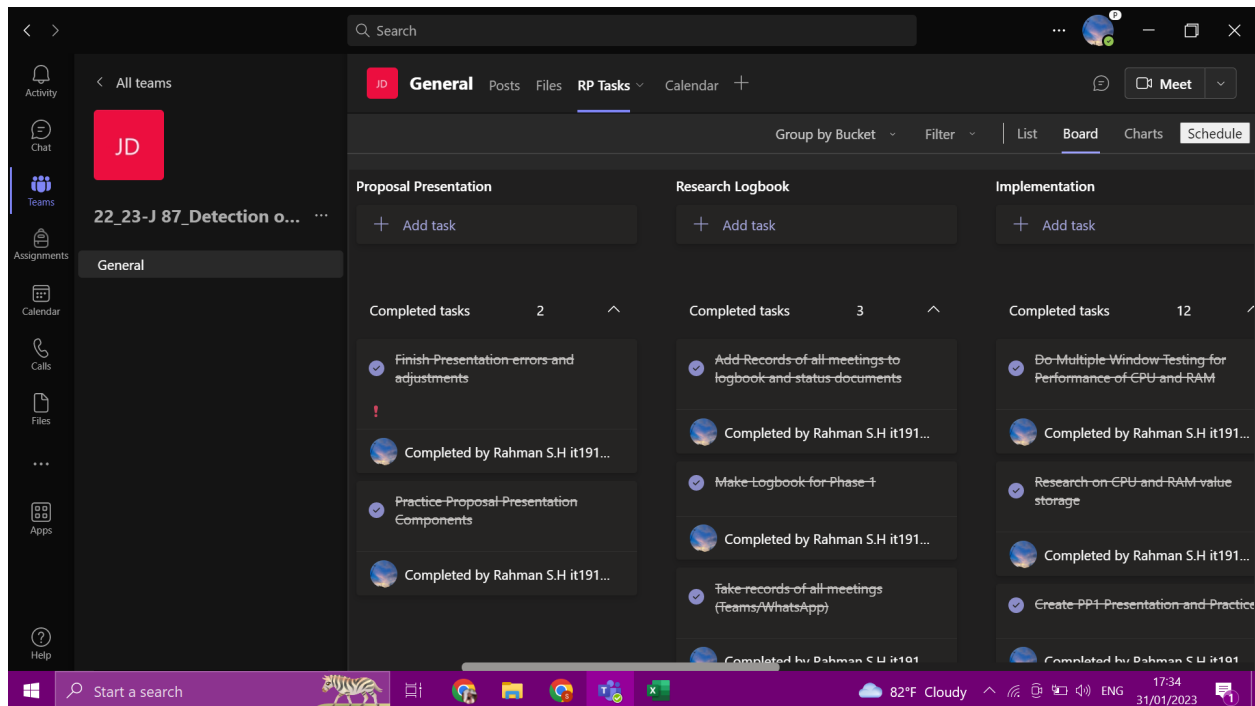


Figure 12: Channel Tasks Board

- **Planner Charts**

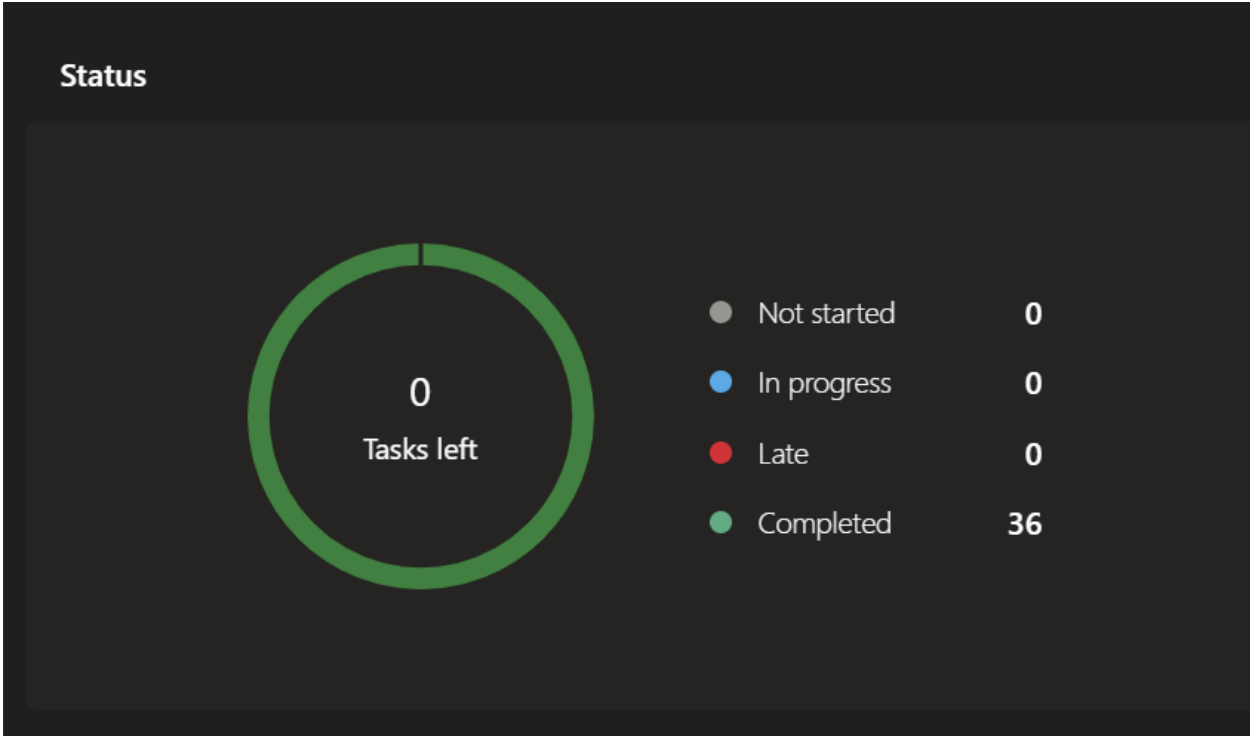


Figure 13: Channel Tasks Status

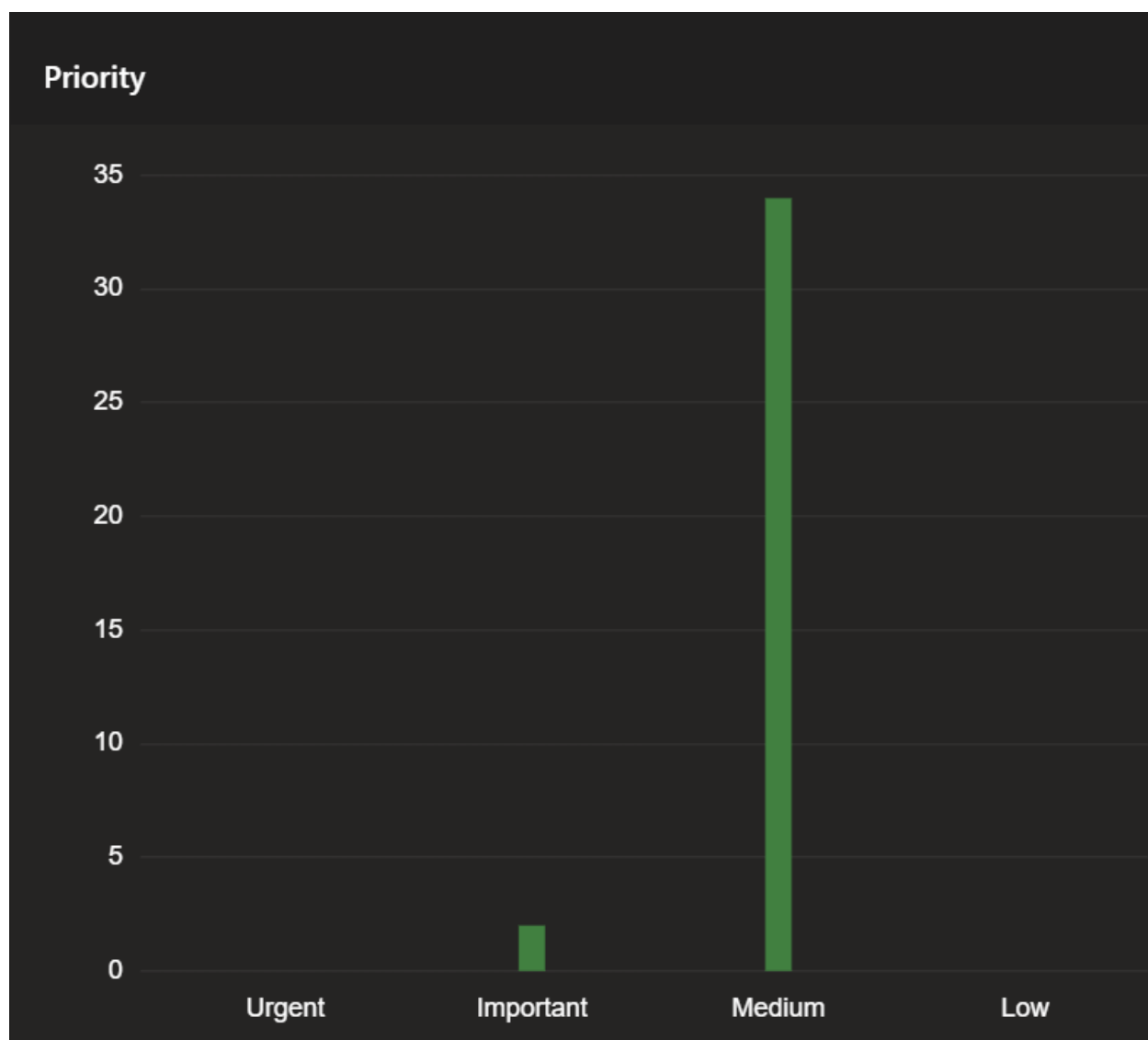


Figure 14: Channel Tasks Priority

WhatsApp

- Meetings

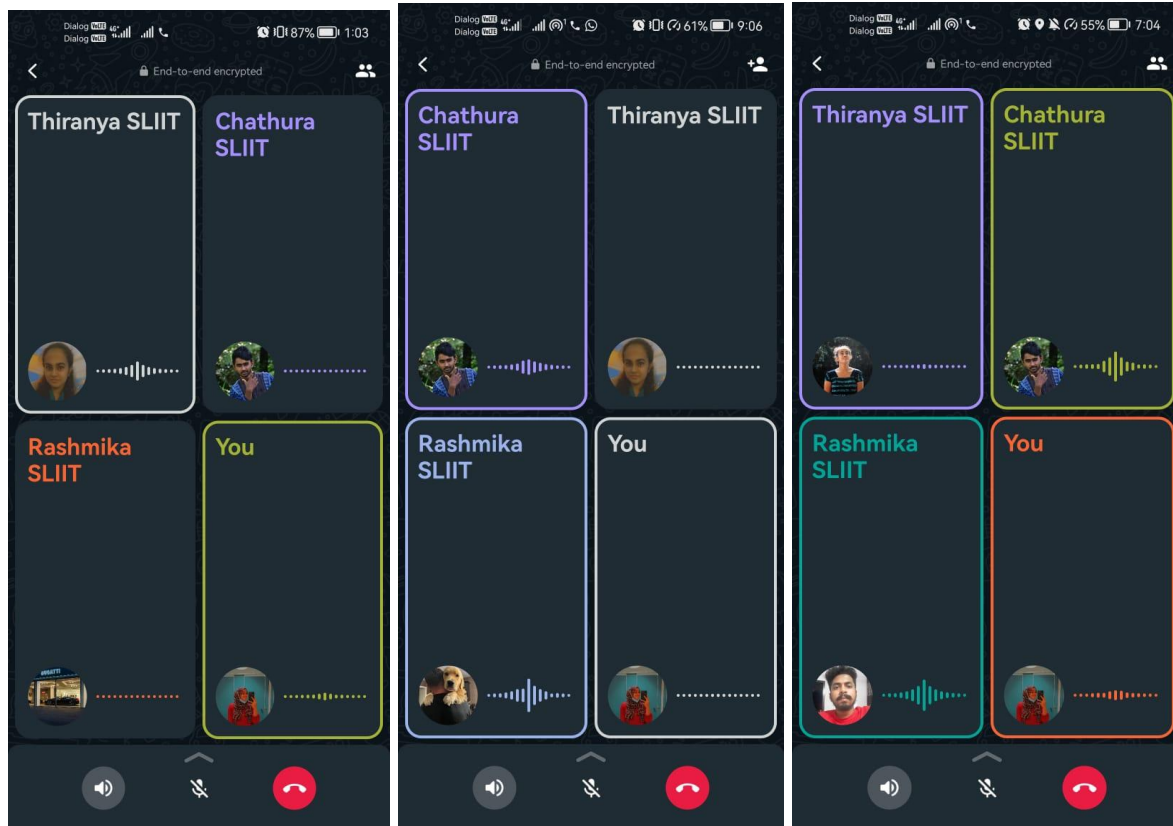


Figure 15: WhatsApp Meetings

Google Meet

- Meetings

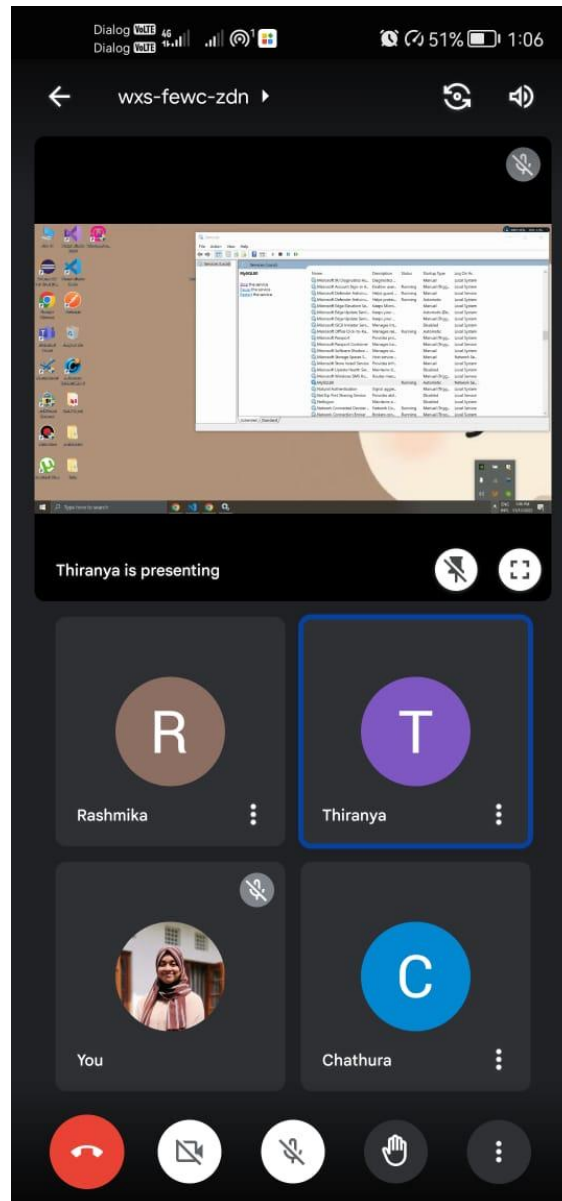


Figure 16: Google Meet Meeting

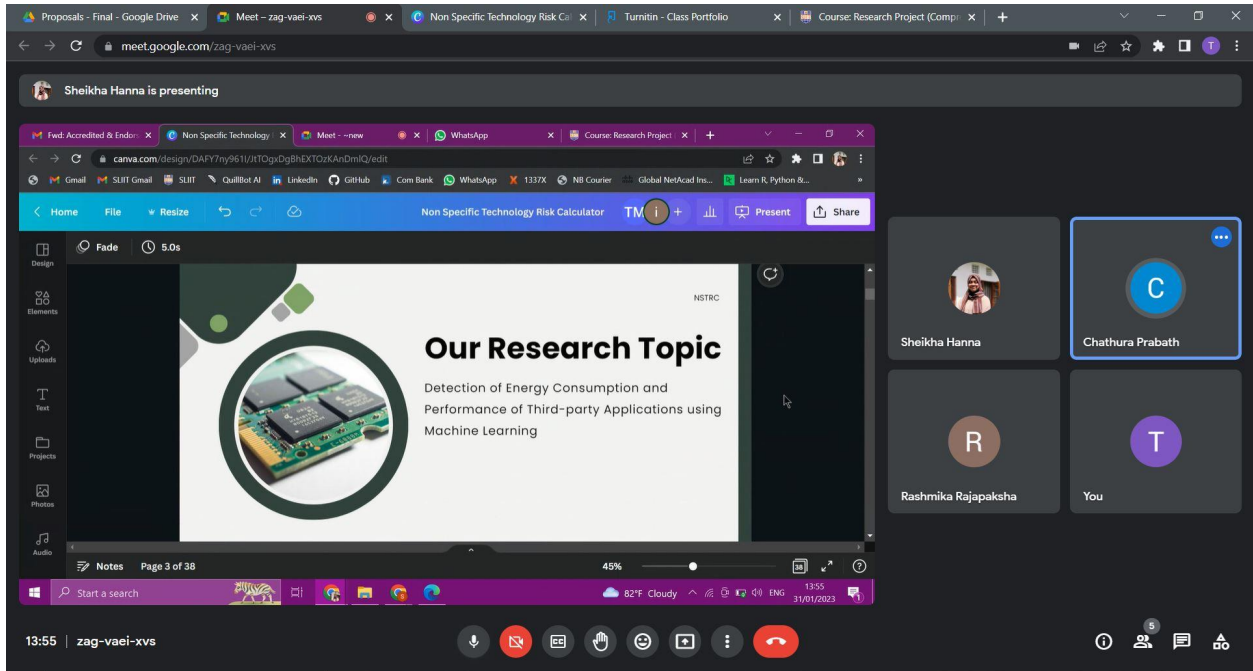


Figure 17: Google Meet PP1 Review Meeting

50% completion of the component

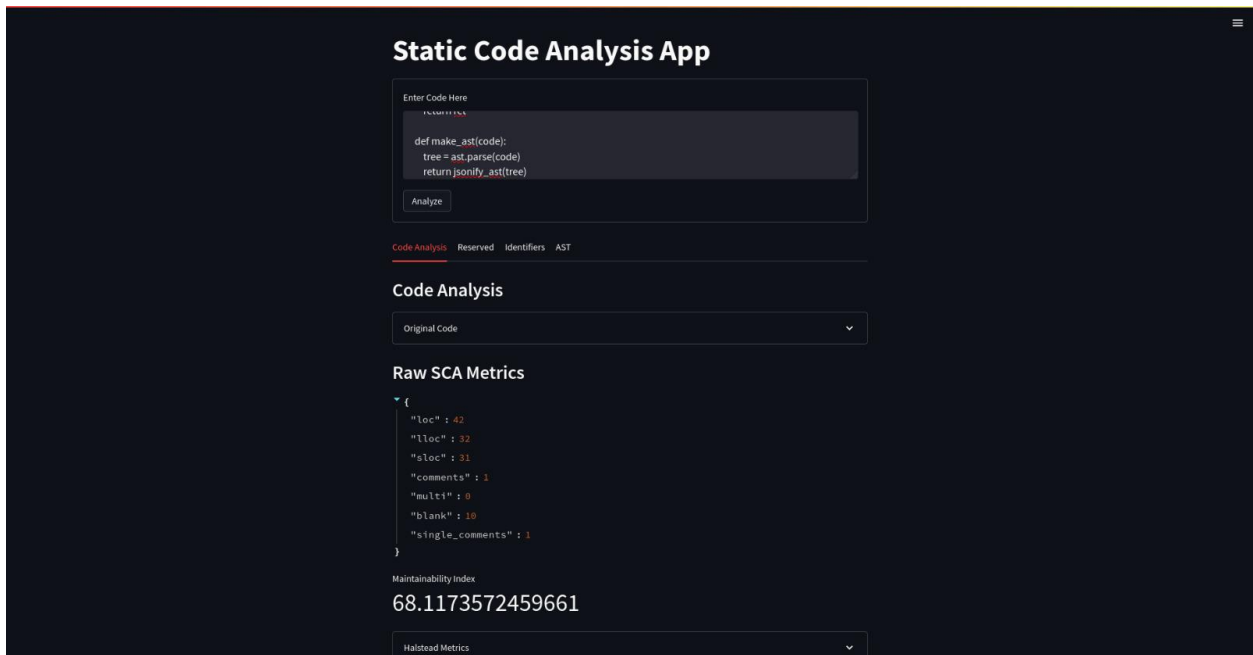


Figure 19: 50% completion Component

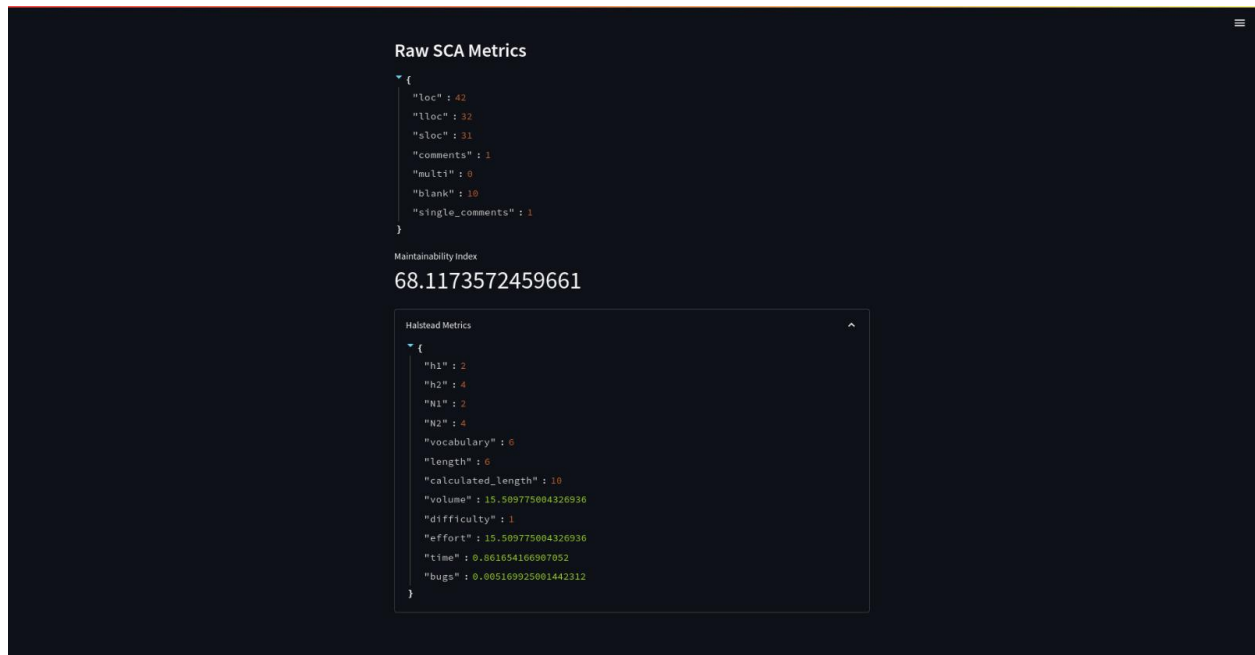




Figure 22: 50% completion Component

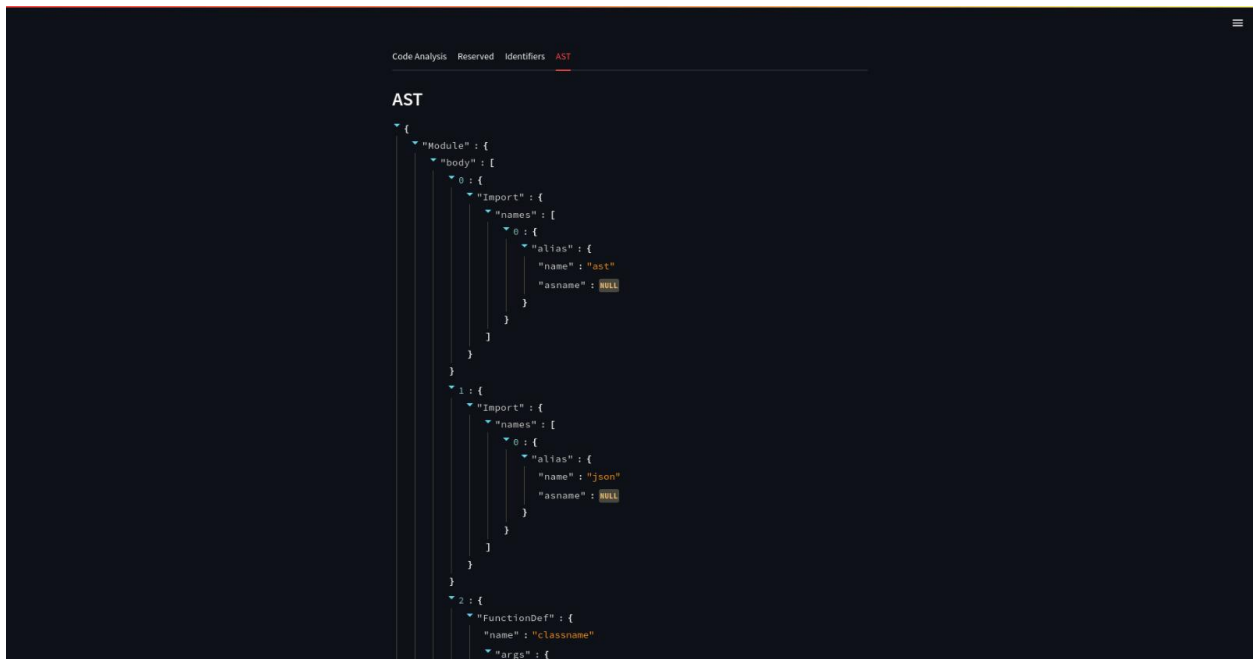


Figure 23: 50% completion Component

Gantt Chart

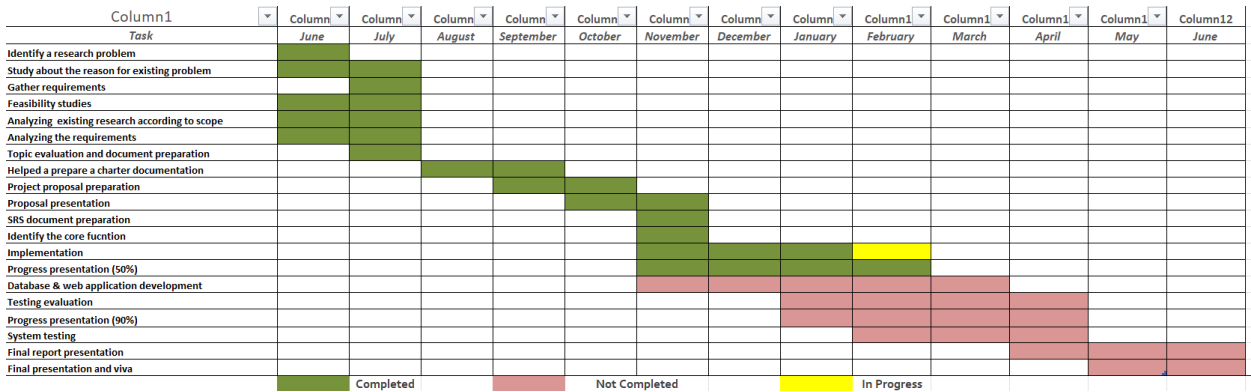


Figure 24: Team Gantt Chart