

# **SRI LANKA INSTITUTE OF INFORMATION TECHNOLOGY**



## **STATUS DOCUMENT 1**

**BLOOMQUEST: PERSONALIZED LEARNING SYSTEM BASED ON  
KNOWLEDGE GRAPHS AND BLOOM'S TAXONOMY.**

**2023-035**

**IT20133368 – Wijayasena W.D.N.D.T.**

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# 1. Microsoft Teams Meetings with Supervisor and Co-Supervisor.

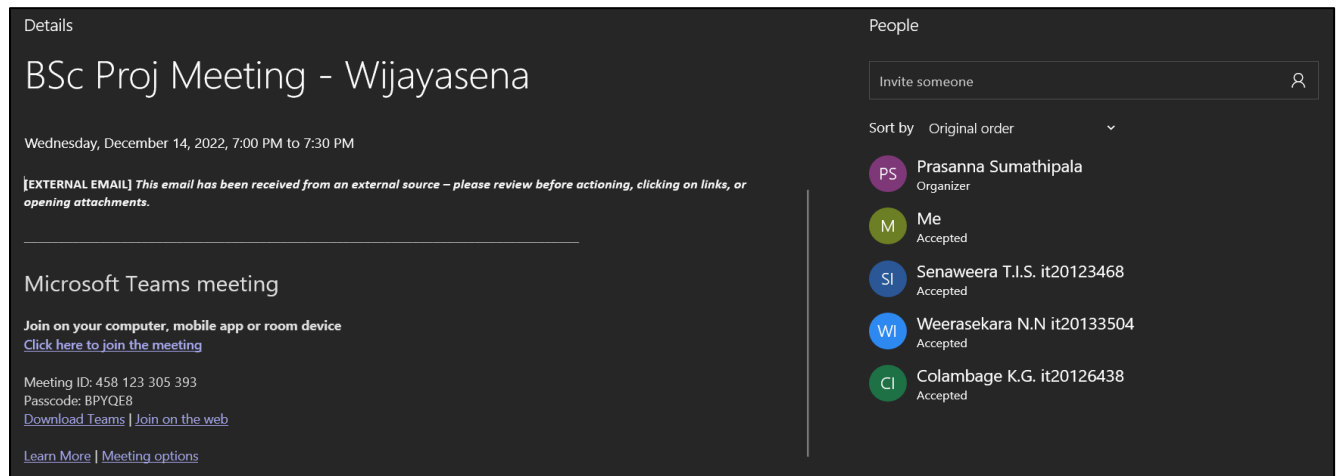


Figure 1: Initial Meeting with Supervisor.

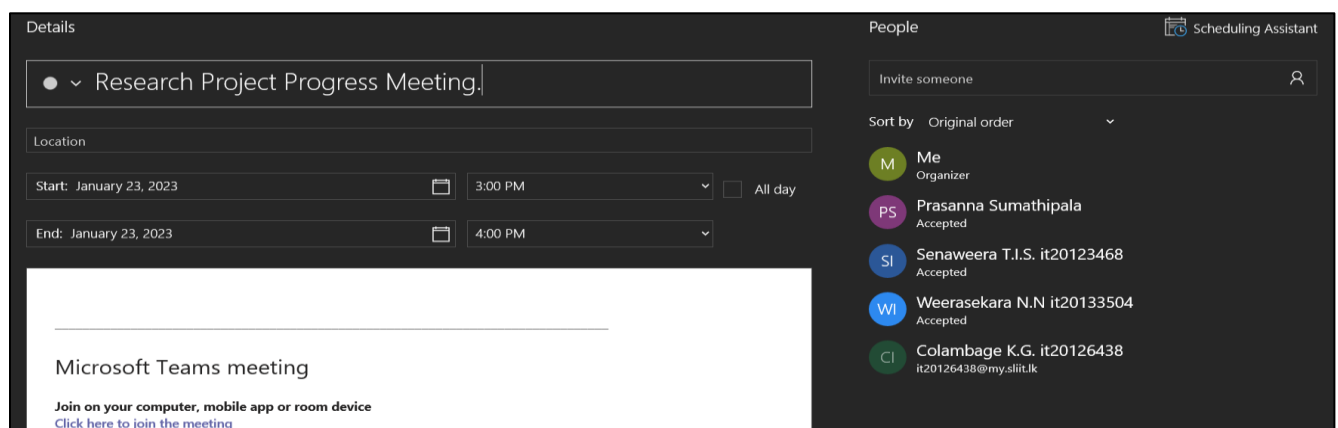


Figure 2: Supervisor Meeting 23rd January

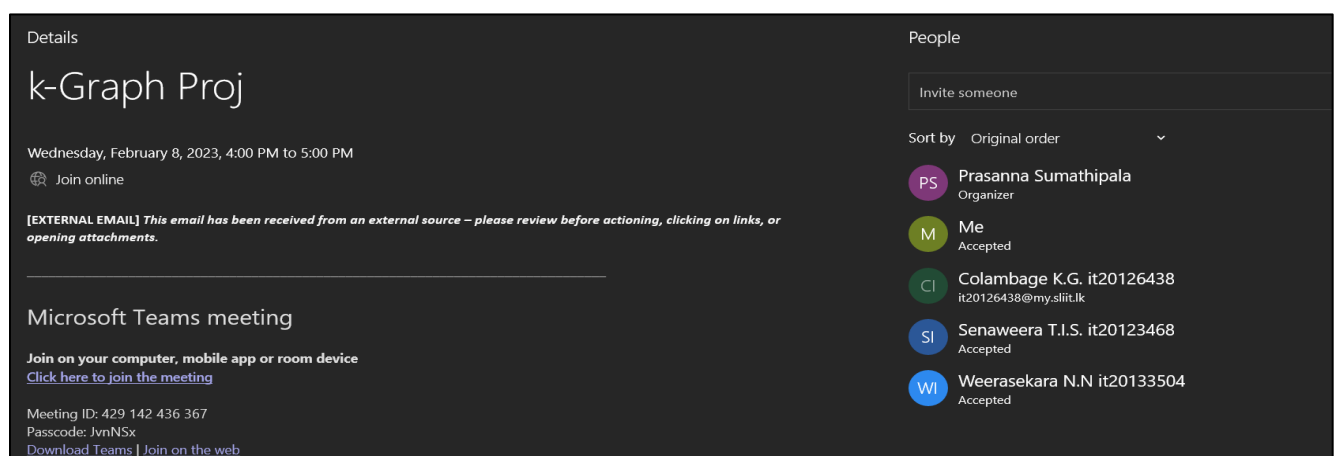


Figure 3: Supervisor Meeting 8th February

Details

BSc Research

Friday, March 17, 2023, 1:30 PM to 2:15 PM

**[EXTERNAL EMAIL]** *This email has been received from an external source – please review before actioning, clicking on links, or opening attachments.*

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People

Sort by Original order

PS

Prasanna Sumathipala

Organizer

M

Me

Accepted

Figure 4: Supervisor Meeting 17th March

Details

● ▾ Research Review Meeting

Microsoft Teams Meeting

Start: May 10, 2023

2:00 PM

All day

End: May 10, 2023

3:00 PM

Microsoft Teams meeting

Join on your computer, mobile app or room device

[Click here to join the meeting](#)

Meeting ID: 481 794 425 611

Passcode: 5wxPVM

[Download Teams](#) | [Join on the web](#)

[Learn More](#) | [Meeting options](#)

People

Sort by Original order

M

Me

Organizer

PS

Prasanna Sumathipala

prasanna.s@slit.lk

SI

Senaweera T.I.S. it20123468

Accepted

WI

Weerasekara N.N it20133504

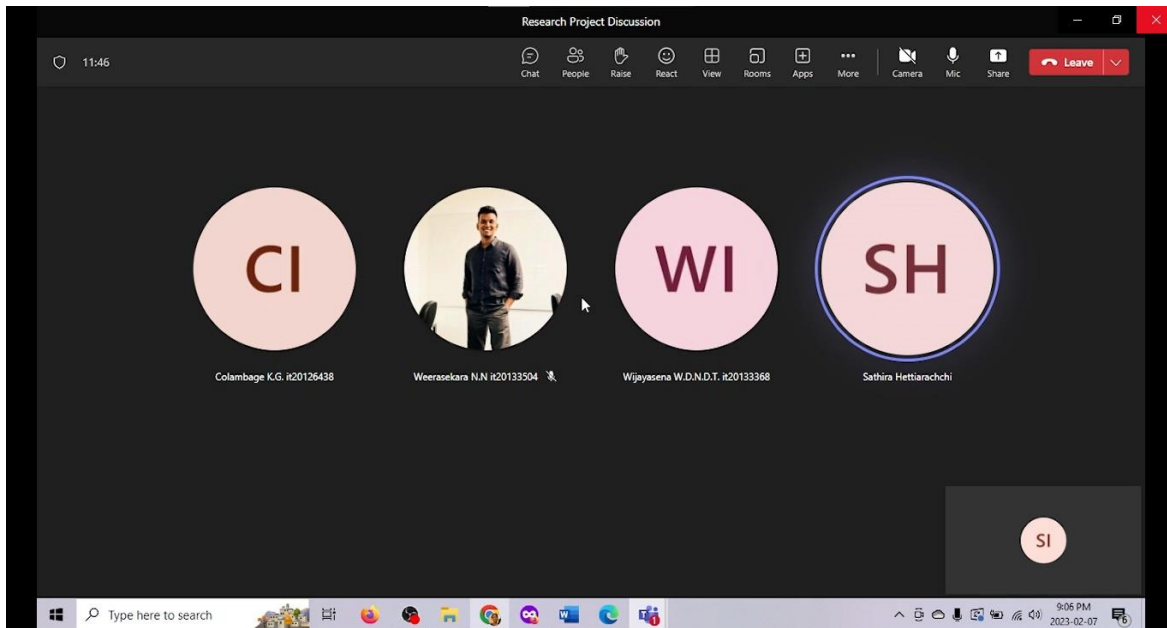
it20133504@my.sliit.lk

CI

Colambage K.G. it20126438

it20126438@my.sliit.lk

Figure 5: Supervisor Meeting 10th May



*Figure 6: Meeting with co-supervisor*

## 2. Emails.

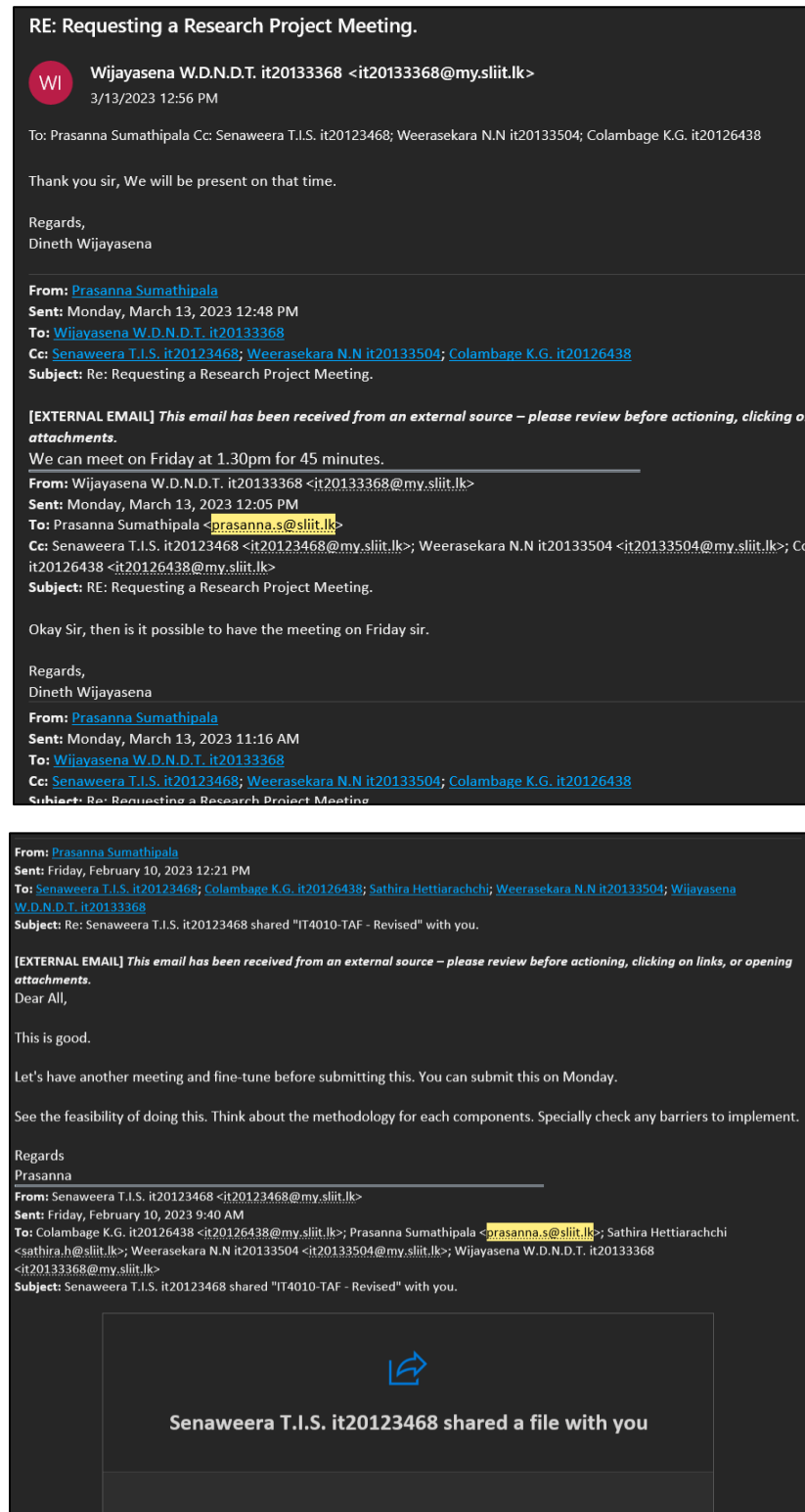


Figure 7: Emails to supervisor

### 3. Logs

Venue	Teams (Online Meeting)
Subject	First Meeting with the Supervisor
Attendees	Mr Prasanna Sumathipala, Wijayasena W.D.N.D.T, Senaweera T.I.S, Weerasekara N.N, Colambage K.G

Key Points Discussed	
No.	Description
1.	Wijayasena W.D.N.D.T gave a comprehensive description of the proposed project.
2.	Get familiar with the development platforms that we will be using. Eg: Identify flexible libraries to work.
3.	After getting familiar with the platform read related research papers ( <b>5 to 10 per person</b> ).  Use summarizing tools. Eg: Mendeley - <a href="https://www.mendeley.com/">https://www.mendeley.com/</a>
4.	Sir gave an insight into how the research project process is done.

Figure 8: Logs-First Meeting with Supervisor

Venue	WhatsApp (Online Meeting)
Subject	Discuss about a suitable tutorials to follow
Attendees	Wijayasena W.D.N.D.T, Senaweera T.I.S, Weerasekara N.N, Colambage K.G

Key Points Discussed	
No.	Description
1.	Wijayasena W.D.N.D.T explained the purpose of the meeting and asked each member about their findings of tutorials as discussed in the previous meeting.
2.	Two tutorials were provided to follow. <ul style="list-style-type: none"> <li><a href="https://www.youtube.com/watch?v=nYQLp7itZx8">https://www.youtube.com/watch?v=nYQLp7itZx8</a></li> <li><a href="https://www.youtube.com/watch?v=EXMl85lC_o4">https://www.youtube.com/watch?v=EXMl85lC_o4</a></li> </ul>

Actions to be Taken	

Figure 9: Logs- Discuss about Suitable Tutorials.

<b>Venue</b>	WhatsApp (Online Meeting)
<b>Subject</b>	Discuss the progress of the research
<b>Attendees</b>	Wijayasena W.D.N.D.T, Senaweera T.I.S, Weerasekara N.N, Colambage K.G

Key Points Discussed	
No.	Description
1.	Wijayasena W.D.N.D.T explained the purpose of the meeting and asked each member about the current progress.
2.	Members mentioned about the incomprehensibility of the first tutorial.
3.	Discussed and clarified some doubts.
4.	Senaweera T.I.S suggested a new tutorial which seemed more related to the research project and asked other group members to go through it. <a href="https://neo4j.com/developer/graph-data-science/build-knowledge-graph-nlp-ontologies/">https://neo4j.com/developer/graph-data-science/build-knowledge-graph-nlp-ontologies/</a>

*Figure 10: Logs-Discuss the Progress of the Research.*

<b>Venue</b>	SLIIT (Physical Meeting)
<b>Subject</b>	Prepare for the first progress meeting with the supervisor.
<b>Attendees</b>	Wijayasena W.D.N.D.T, Senaweera T.I.S, Weerasekara N.N, Colambage K.G

Key Points Discussed	
No.	Description
1.	Wijayasena W.D.N.D.T explained the reason for the meet-up.
2.	Then he asked other members whether they have anything to be clarified regarding the research.
3.	Discussed new findings done by each member and clarified doubts.
4.	Wijayasena W.D.N.D.T highlighted the fact of not having a "co-supervisor" and mentioned it should be discussed with Prasanna sir.
5.	Decided on a rough plan for the first progress meeting with the supervisor.

*Figure 11: Prepare for the First Progress Meeting*



## 4. Microsoft Planner

### 4.1 Planner Board

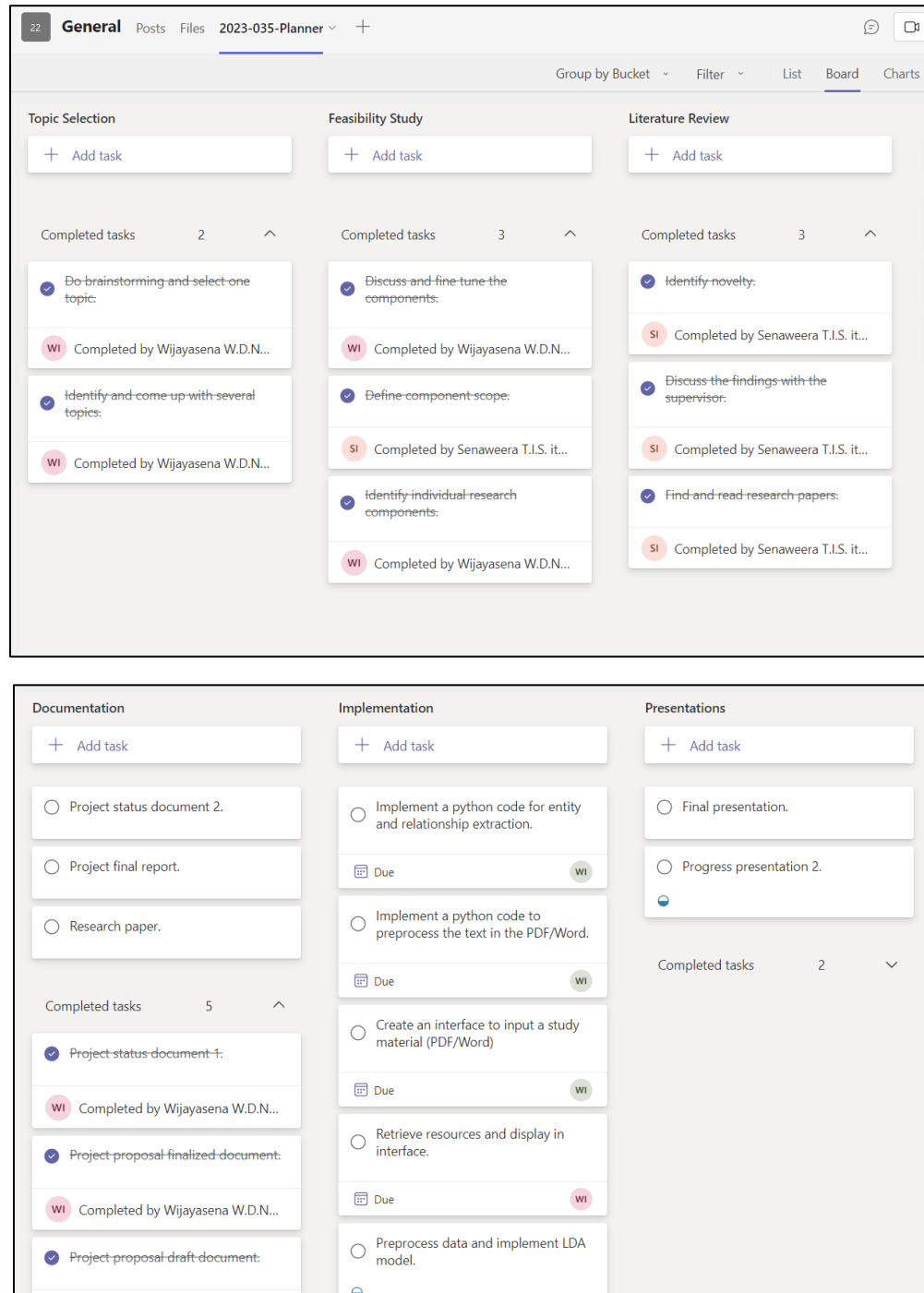


Figure 12: Teams Planner Boards

## 4.2 Completed Tasks

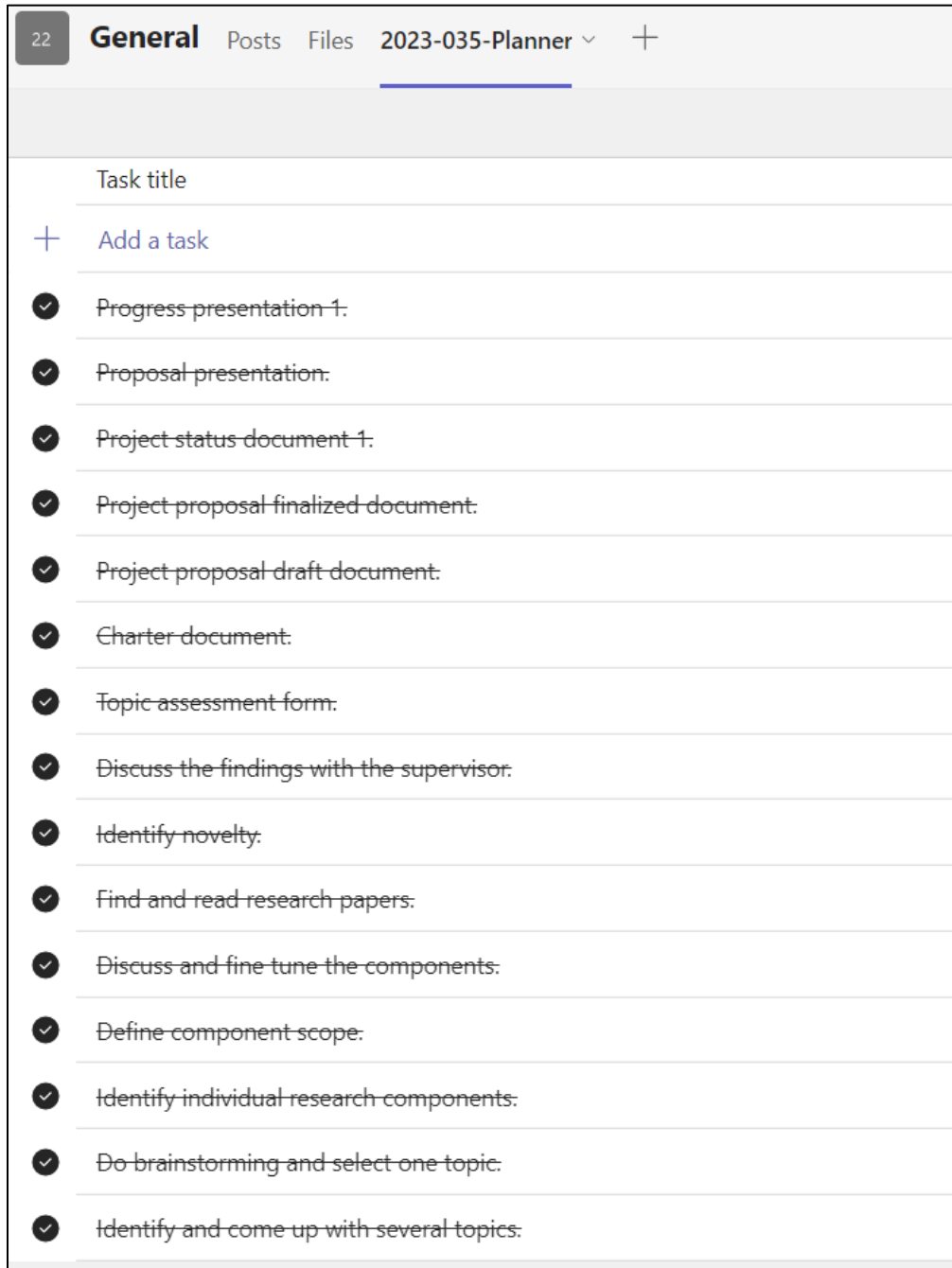


Figure 13: Completed Tasks

## 4.3 Teams Planner Schedule

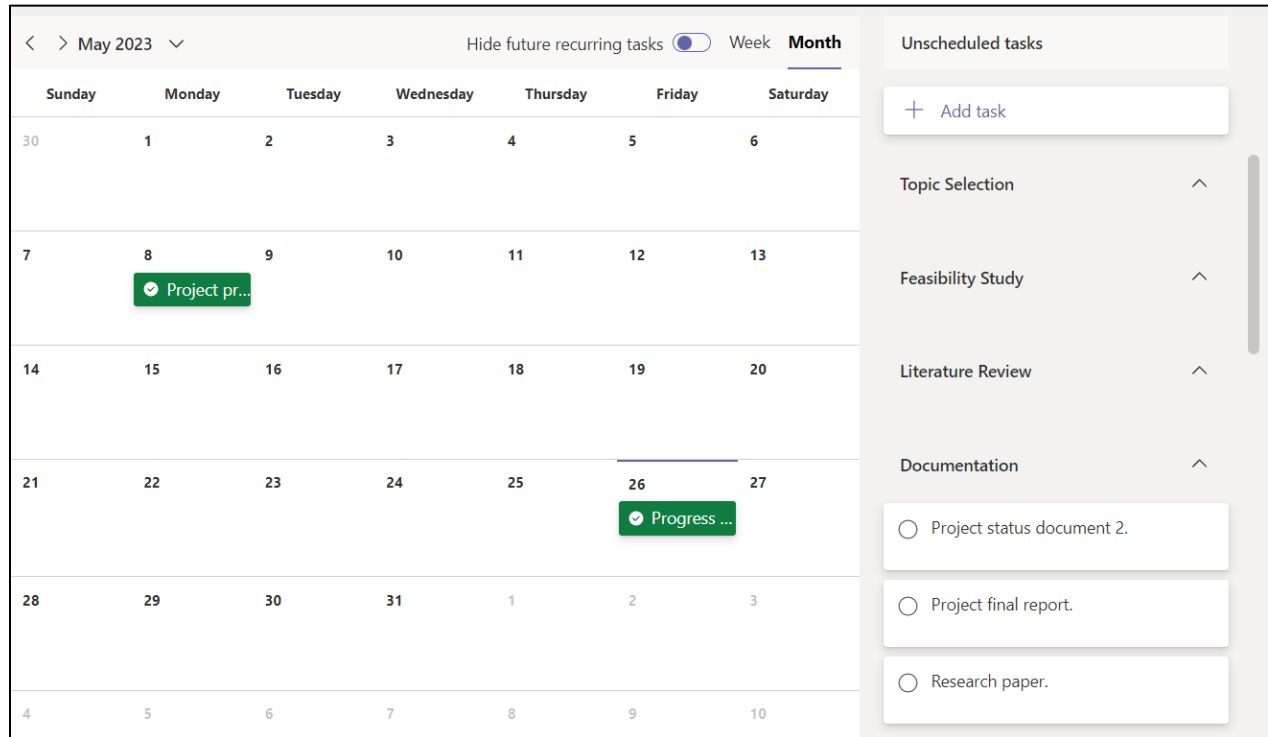


Figure 14: Teams Planner Schedules

4.4 Teams Planner Charts

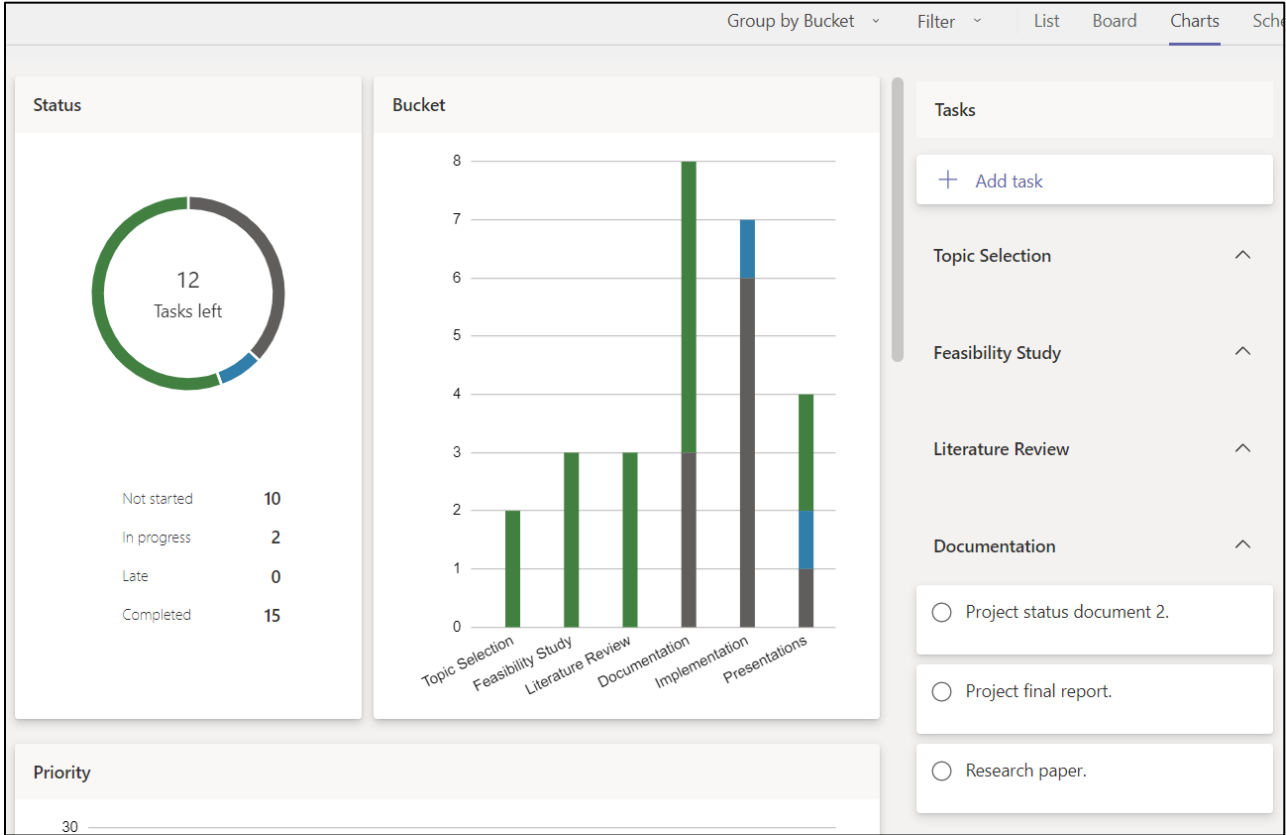


Figure 15: Teams Planner Charts

## 5. Gantt Chart

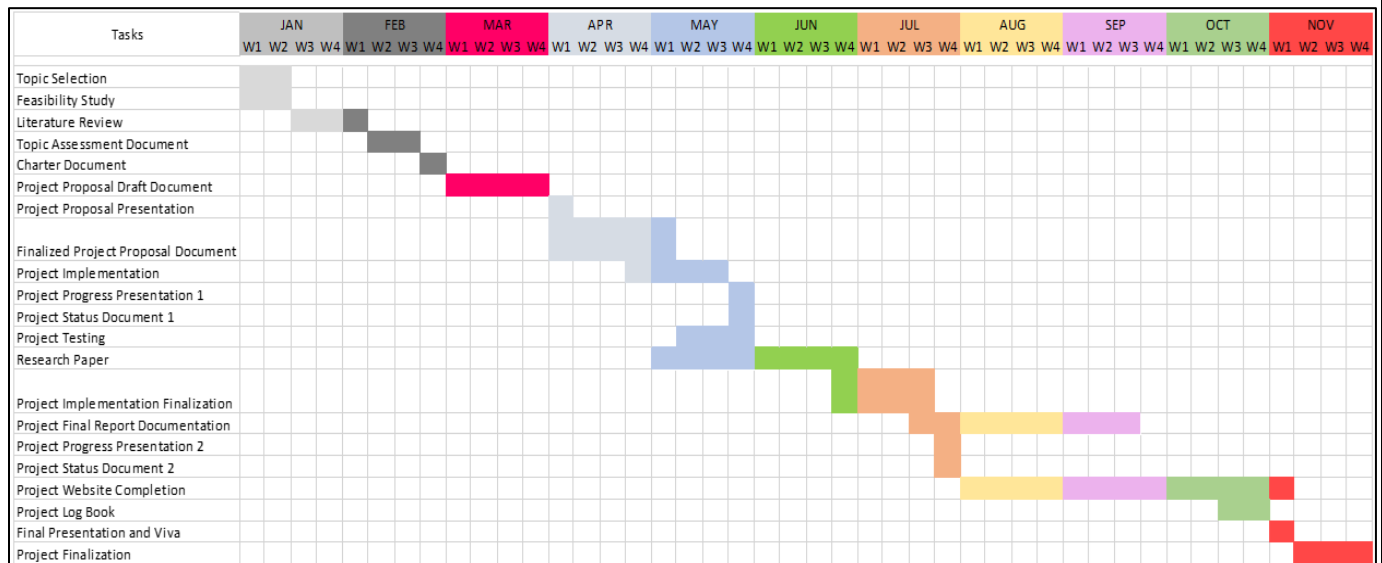


Figure 16: Project Gantt Chart

## 6. Work Breakdown Structure

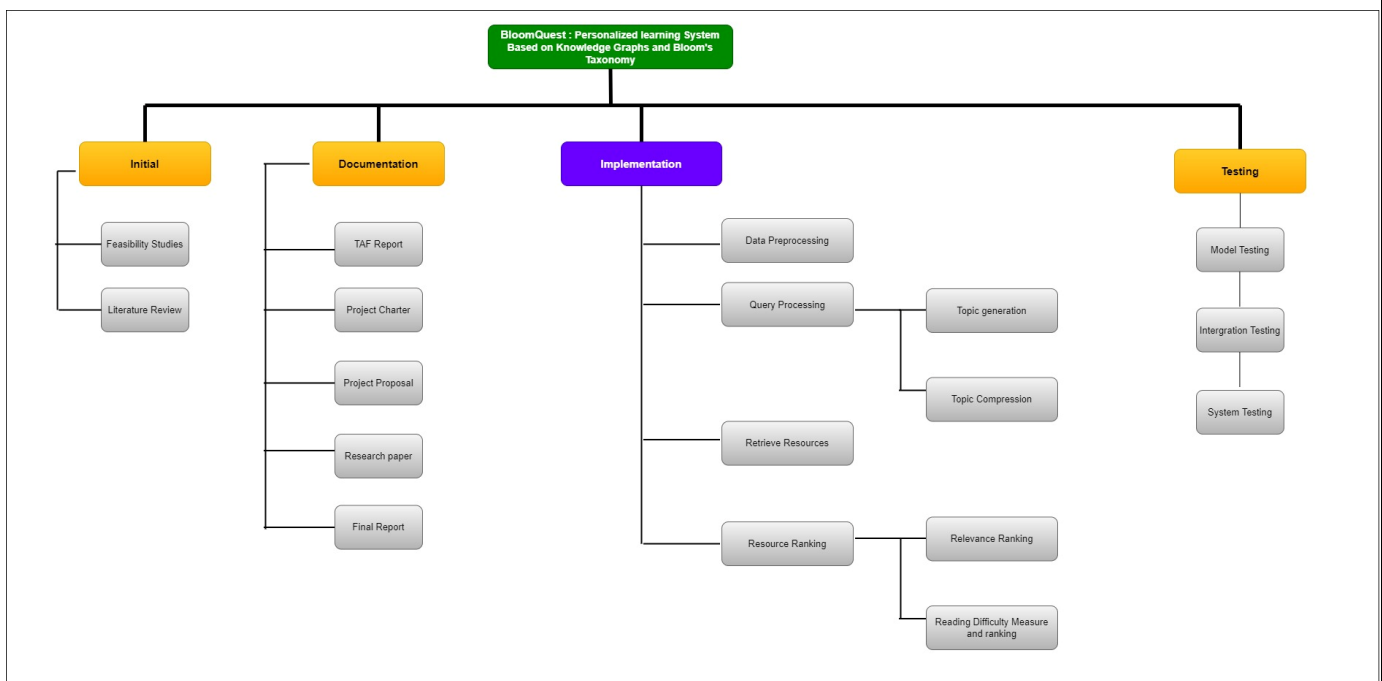


Figure 17: Work Breakdown Structure

## 7. Gitlab Commits

The screenshot shows the GitLab repository page for the branch 2023-035. At the top, it indicates that the user pushed to the repository. Below this, there are navigation links for the repository, branch, and commit history. A table lists the files changed in the latest commit, including FRE.py, LDA&Resources.py, README.md, and queries.html. The README.md file is highlighted, showing its content: "2023-035" and "BloomQuest - Personalized Learning System Based on Knowledge Graphs and Bloom's Taxonomy".

2023-035 > 2023-035 > Repository

You pushed to IT20133368\_Wijayasena.W.D.N.D.T just now [Create merge request](#)

IT20133368\_Wijay... 2023-035 / + ▾ History Find file Web IDE ▾ Clone ▾

**FRE changes**  
Dineth Wijayasena authored 3 minutes ago 16f24aaf

Name	Last commit	Last update
FRE.py	FRE changes	3 minutes ago
LDA&Resources.py	LDA Model	14 minutes ago
README.md	Update README.md	1 week ago
queries.html	HTML implementation	12 minutes ago

**README.md**

**2023-035**

BloomQuest - Personalized Learning System Based on Knowledge Graphs and Bloom's Taxonomy

Figure 18: Branch Commit Part1

The screenshot shows the GitLab repository page for the branch 2023-035, specifically the commit history. It lists several commits, including updates to README.md and the initial commit. Each commit entry shows the commit message, the author, the time since the commit, and the commit hash. The commit hashes are displayed in a box with a copy icon and a folder icon.

2023-035 > 2023-035 > Commits

IT20133368\_Wijay... 2023-035 [Create merge request](#) Filter by commit message

26 May, 2023 4 commits

- FRE changes**  
Dineth Wijayasena authored just now 16f24aaf
- FRE Model**  
Dineth Wijayasena authored 8 minutes ago 63a53064
- HTML implementation**  
Dineth Wijayasena authored 9 minutes ago 687fdf01
- LDA Model**  
Dineth Wijayasena authored 11 minutes ago 0a224aa4

19 May, 2023 3 commits

- Update README.md**  
Wijayasena W.D.N.D.T authored 1 week ago 395e256f
- Update README.md**  
Wijayasena W.D.N.D.T authored 1 week ago 32e05dab
- Update README.md**  
Wijayasena W.D.N.D.T authored 1 week ago 7c67bbfb

18 May, 2023 1 commit

- Initial commit**  
Wijayasena W.D.N.D.T authored 1 week ago b0cb15ff

Figure 19: Branch Commit Part2

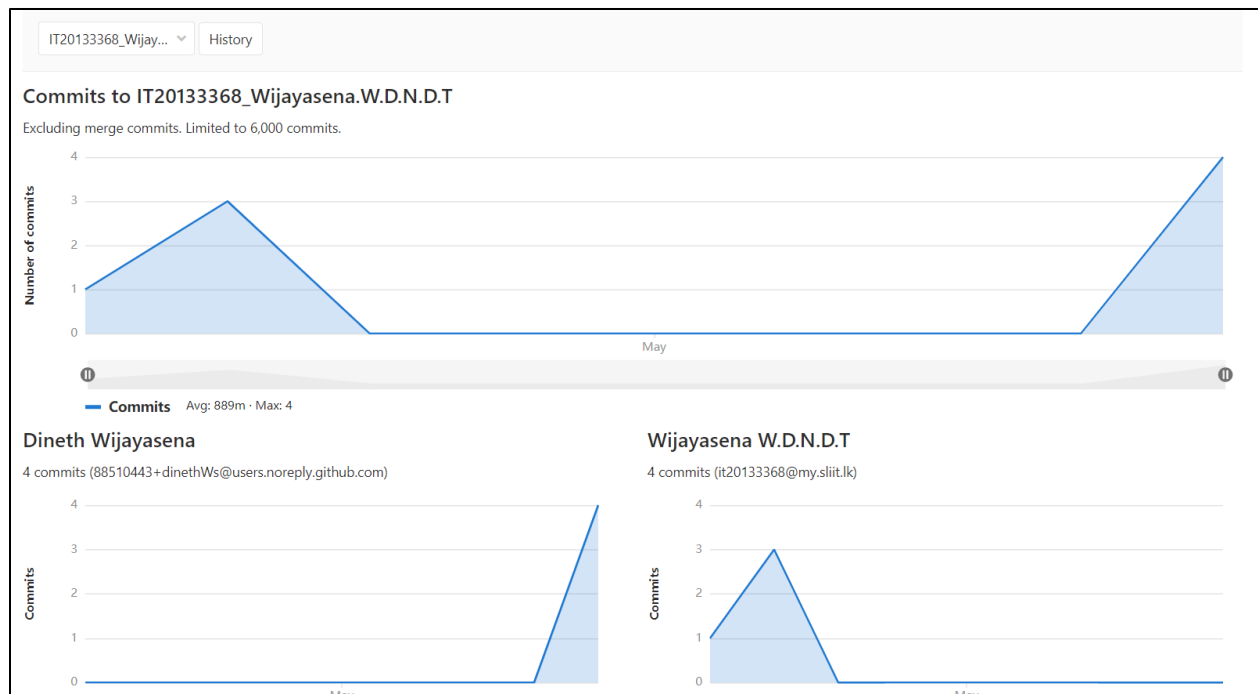


Figure 20: GitLab Contribution