

# SRI LANKA INSTITUTE OF INFORMATION TECHNOLOGY



## STATUS DOCUMENT 2

BLOOMQUEST: PERSONALIZED LEARNING SYSTEM BASED ON THE  
BLOOM'S TAXONOMY AND KNOWLEDGE BASED CONCEPTS.

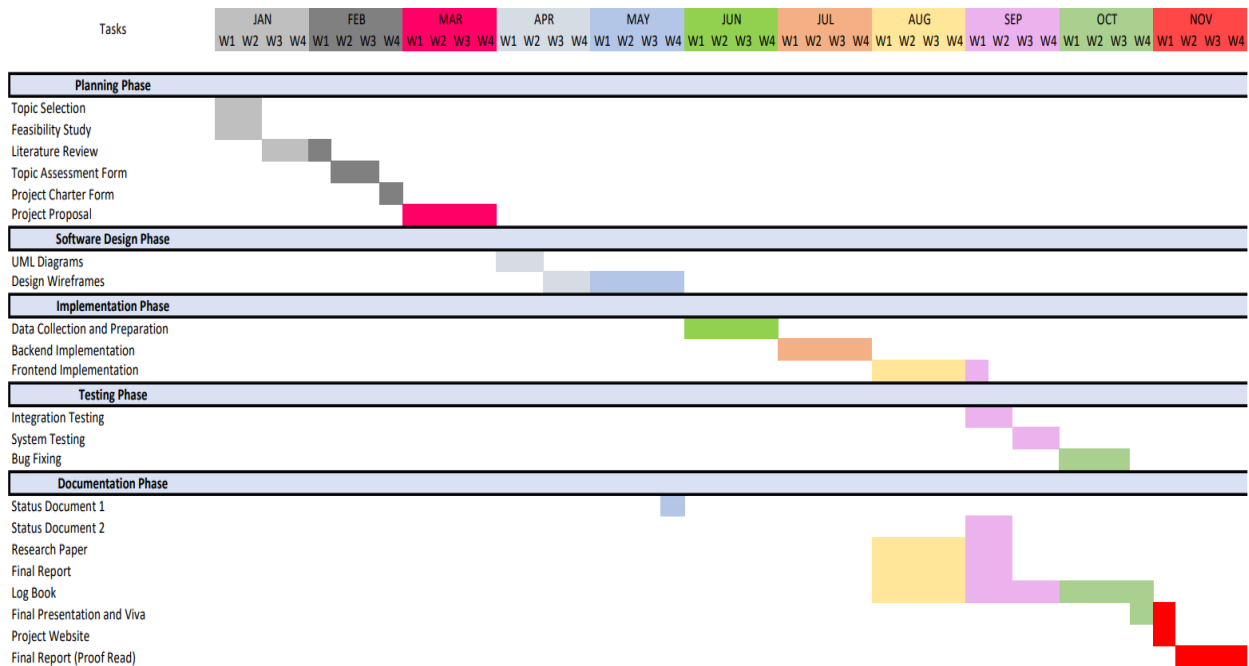
2023-035

**IT20126438 and Colambage K.G**

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2. Work Breakdown Structure .....	3
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## 1. Gantt Chart



## 2. Work Breakdown Structure



### 3. Screenshots of meetings and emails with the Supervisor and the Group.

**From:** [Wijayasena W.D.N.D.T. it20133368](#)

**Sent:** Wednesday, June 21, 2023 8:43 PM

**To:** [Prasanna Sumathipala](#); [Senaweera T.I.S. it20123468](#); [Weerasekara N.N it20133504](#); [Colambage K.G. it20126438](#)

**Subject:** RE: Final Proj

Sure Sir, We can have the meeting at 2pm.

Sent from [Mail](#) for Windows

---

**From:** [Prasanna Sumathipala](#)

**Sent:** Wednesday, June 21, 2023 7:26 PM

**To:** [Wijayasena W.D.N.D.T. it20133368](#); [Senaweera T.I.S. it20123468](#); [Weerasekara N.N it20133504](#); [Colambage K.G. it20126438](#)

**Subject:** Re: Final Proj

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

Can we meet Friday, 4-5 pm or 2-3 pm.

I have a meeting with another project group from 3-4 pm.

---

**From:** Wijayasena W.D.N.D.T. it20133368 <[it20133368@my.sliit.lk](mailto:it20133368@my.sliit.lk)>

**Sent:** Tuesday, June 20, 2023 9:54 PM

**To:** Prasanna Sumathipala <[prasanna.s@sliit.lk](mailto:prasanna.s@sliit.lk)>; Senaweera T.I.S. it20123468 <[it20123468@my.sliit.lk](mailto:it20123468@my.sliit.lk)>; Weerasekara N.N it20133504 <[it20133504@my.sliit.lk](mailto:it20133504@my.sliit.lk)>; Colambage K.G. it20126438 <[it20126438@my.sliit.lk](mailto:it20126438@my.sliit.lk)>

**Subject:** Re: Final Proj

Dear Sir,

Sorry for the delay in updating you regarding the project.

We were actually planning to email you. Can you tell us a free time slot to have a meeting?

Best Regards,

Dineth Wijayasena.

## Knowledge Graph - Research Project



Wijayasena W.D.N.D.T. it20133368 <it20133368@my.sliit.lk>

6/27/2023 10:15 PM

To: Prasanna Sumathipala; Weerasekara N.N it20133504; Senaweera T.I.S. it20123468; Colambage K.G. it20126438

When Friday, July 7, 2023 2:00 PM - 3:00 PM [View calendar](#)

Where Microsoft Teams Meeting



You set this up, so it's already on your calendar.

Research Project

Chat People Raise React View Rooms Apps More Camera Mic Share Leave

Recording has started  
Let everyone know they're being recorded.  
[Privacy policy](#)

SI Senaweera T.I.S. it20123468

CI Colambage K.G. it20126438

Prasanna Sumathipala

WI Weerasekara N.N it20133504

WI

Type here to search

9:04 PM 7/22/2023

## Draft Research Papers



Wijayasena W.D.N.D.T. it20133368 <it20133368@my.sliit.lk>

8/10/2023 10:02 PM



To: Prasanna Sumathipala Cc: Senaweera T.I.S. it20123468; Weerasekara N.N it20133504; Colambage K.G. it20126438

Hi Sir,

We will upload our draft research papers to the SharePoint link that is given by CDAP. Can you please go through it and comment on the things that need to be modified. I attached the link for that folder here.

<https://mysliit.sharepoint.com/sites/CDAPSubmissionCloud/2023RegCloud/Forms/AllItems.aspx?id=%2Fsites%2FCDAPSubmissionCloud%2F2023RegCloud%2F23%2D035%2DStudents%2F4%2E%20Research%20Paper%2FResearch%20Papers%20%28Drafts%29&viewid=c7aa1bbe%2Dee33%2D4483%2DBa4d%2D4498d8e42d08>

Thank You,  
Dineth Wijayasena

## Re: Draft Research Papers



Prasanna Sumathipala <prasanna.s@sliit.lk>

8/10/2023 10:17 PM



To: Wijayasena W.D.N.D.T. it20133368 Cc: Senaweera T.I.S. it20123468; Weerasekara N.N it20133504; Colambage K.G. it20126438

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

Send me files.

Research Proj meeting

01:07:16

Take control Pop out Chat People Raise React View Rooms Apps More Camera Mic Share Leave

Home | x | Calenda | x | Mail - P | x | GraphQ | x | Research | x | Thesis | x | Structur | x | Create | x | Scopus | x | Confere | x | +

https://cmt3.research.microsoft.com/SCSE2023/Review/View/201

Paper Title Classification Model to identify airline No-Show rate based on passengers in Sri Lankan context  
Track Name Smart Computing

REVIEW QUESTIONS

1. Paper is related to the scope of the conference. (Yes/No)  
Yes
2. Comments on relevance of the paper to the scope of the conference.  
Authors have developed a ML based applications to predict No-Show passengers.
3. Title of the paper is appropriate. (Yes/No)  
No
4. Comments on title of the paper.  
What do you mean by "No-Show rate" in the title? Why do you want to include other airline details if this is about Sri Lankan air line?
5. Objectives are clear. (Yes/No)  
Yes
7. Originality of the content and scientific merit is satisfactory. (Yes/No)  
Yes
9. Research design, methods, analysis of data, interpretation of results and conclusion are satisfactory. (Yes/No)  
No
10. Comments on research design, methods, analysis of data, interpretation of results and conclusion.  
I have couple of questions about the method followed:  
- To predict No-Show passengers use of data collected through a questionnaire is questionable. This prediction hard to do based on opinions others.  
- There are no enough details about the dataset.  
- It is unclear how the features used for prediction were selected. Without proper evidence or explanation, it becomes difficult to understand the rationale behind choosing these particular features and their relevance to the prediction task.
11. Language and grammar of the paper are satisfactory. (Yes/No)  
Yes
12. Comments on language and grammar of the paper.

Prasanna Sumathipala

Type here to search

10:07 PM 8/25/2023

AutoSave Off Research Paper-Ishma (1).docx Saved

File Home Insert Draw Design Layout References Mailings Review View Help RCM Grammarly

Clipboard Font Paragraph Styles Editing Voice Sensitivity Editor Reuse Files Open Grammarly

# Forecasting Student Outcomes: Leveraging a Performance Index Derived From Bloom's Taxonomy to Anticipate Final Exam Results.

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Prasanna Sumathip  
Title should less than 1  
Reply

Page 4 of 4 2496 words English (United Kingdom) Text Predictions: On

Type here to search

9:05 PM 8/25/2023



# What do you think?

## Paragraph

- Data mining techniques are used to extract valuable information and insights from large datasets. These techniques can include machine learning algorithms, statistical analysis, clustering, association rule mining, and more. Some common techniques include association rule mining, which discovers relationships between variables, and clustering, which groups similar data points. Other techniques include classification, regression, decision trees, neural networks, text mining, time series analysis, anomaly detection, and ensemble methods. These techniques are applied in various fields such as finance, healthcare, marketing, and many more to gain insights and make data-driven decisions. By analyzing large datasets, data mining techniques can reveal patterns and trends that may be difficult to discern through manual analysis, leading to more efficient and effective decision making

## Mind Map



WI

Weerasekara N.N it2013...



Prasanna Sumathipala

WI

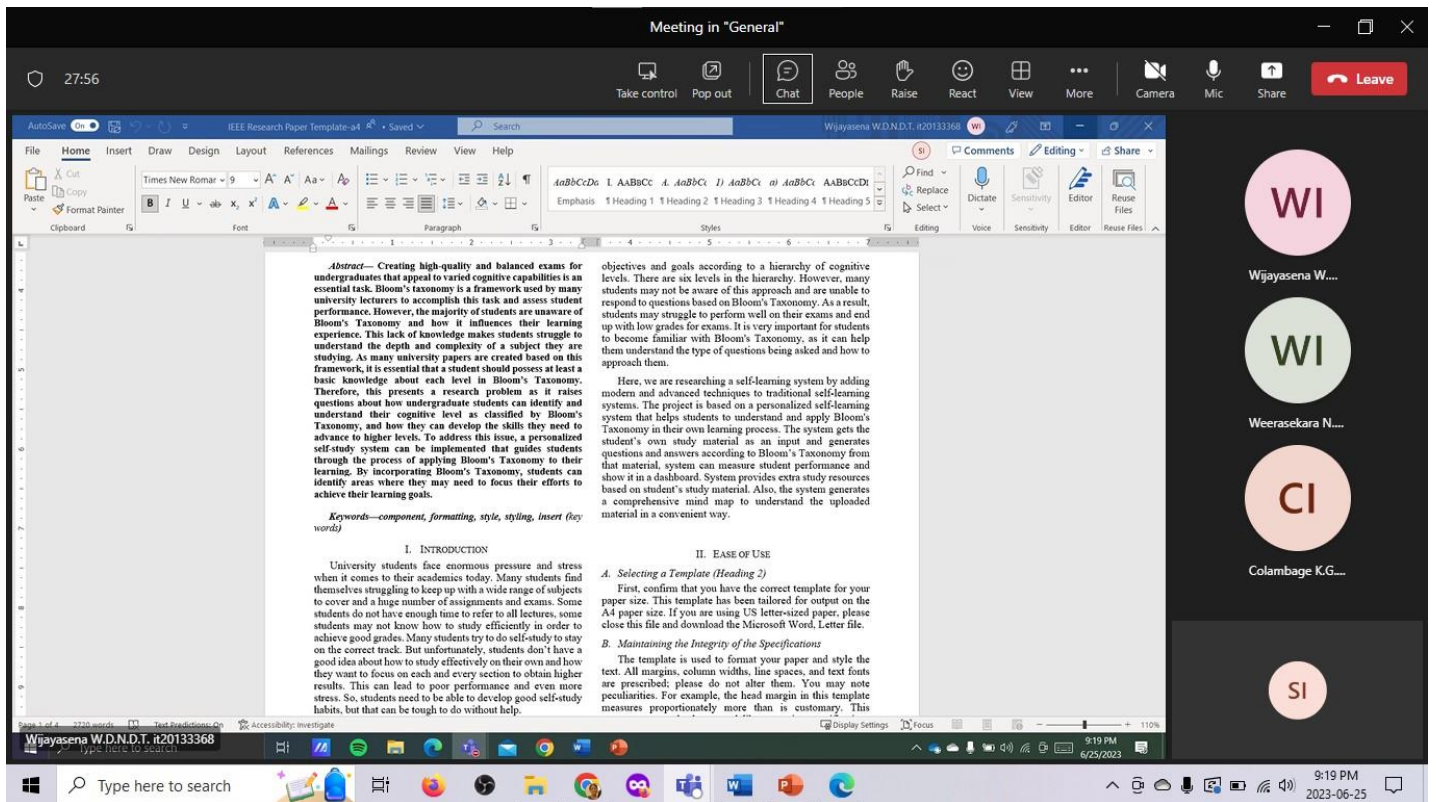
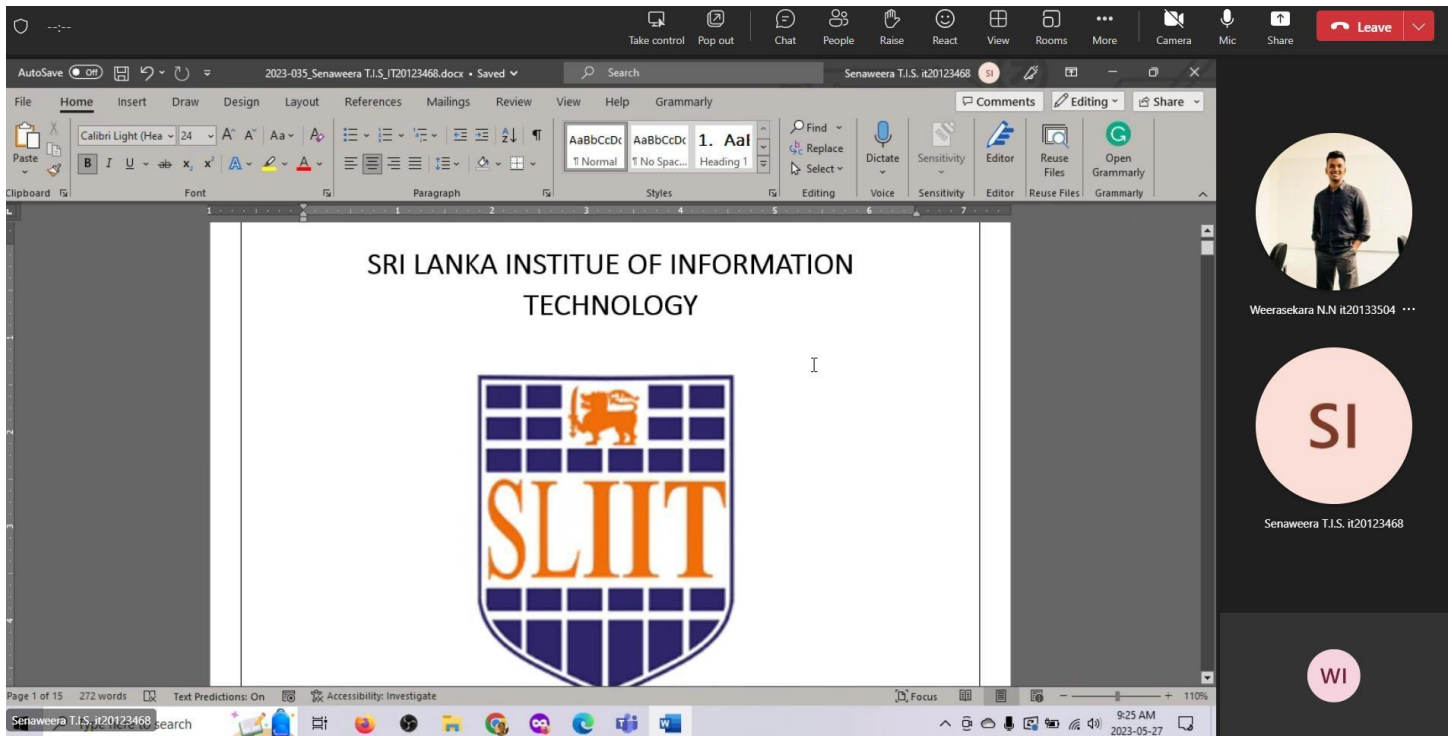
Wijayasena W.D.N.D.T. i...

SI

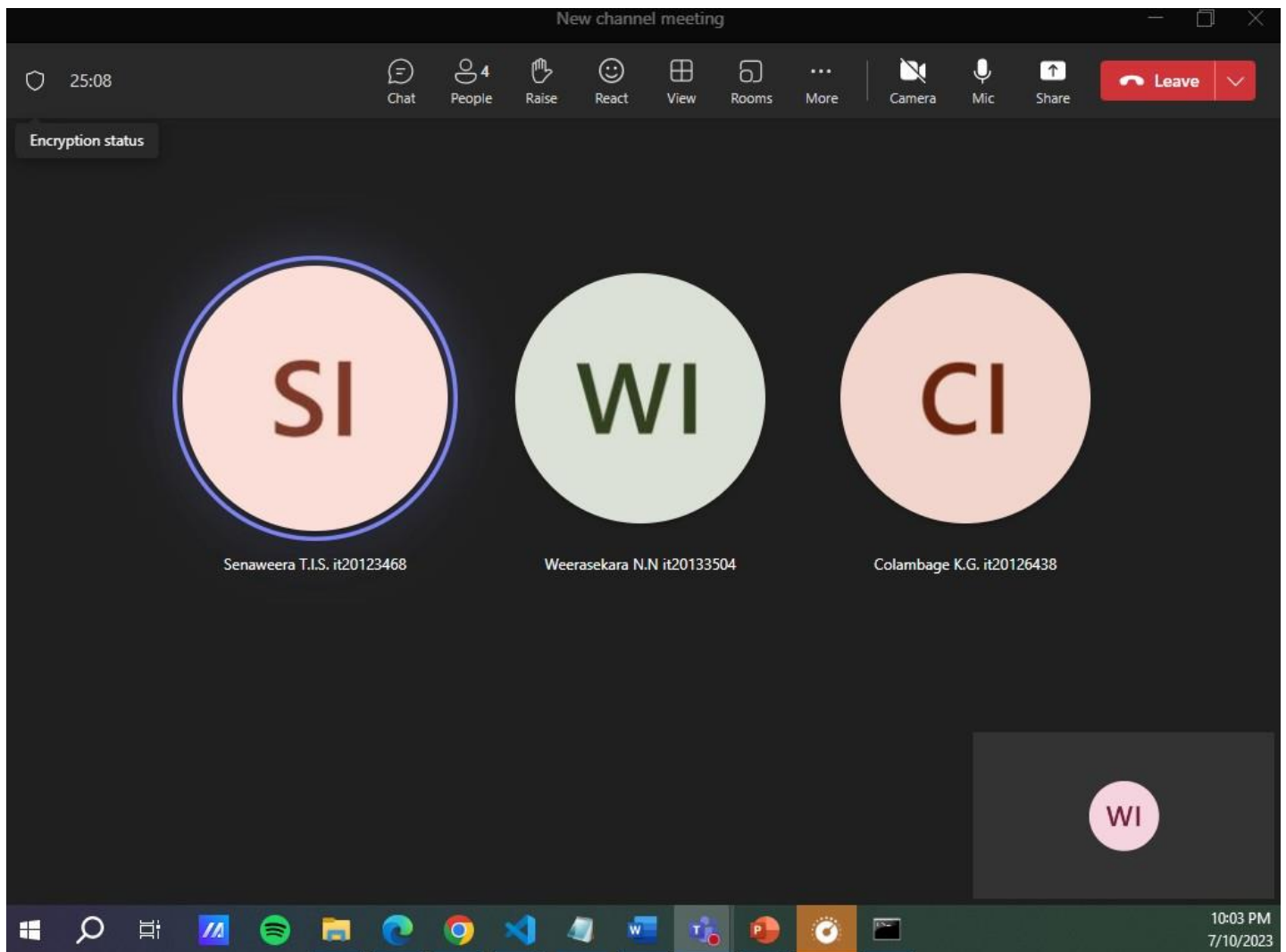
Senaweera T.I.S. it20123...



#### 4. Screenshots of meetings and chats with the Group.









Meeting in "General"

01:20:41

Take control Pop out Chat People Raise React View Rooms More Camera Mic Share Leave

EXPLORER

2023-035

BloomQuest

backend

Server

config

models

routes

main.py

venv

.env

.gitignore

README.md

requirements.txt

frontend

IT20123468

IT20133368

README.md

main.py

```

1 from flask import Flask, jsonify
2 from flask_pymongo import PyMongo
3 from pymongo.errors import PyMongoError
4 import os
5 from dotenv import load_dotenv
6
7 app = Flask(__name__)
8
9 # Load environment variables from .env file
10 load_dotenv()
11
12 # MongoDB connection string
13 MONGO_URI = os.getenv("MONGO_URI")
14
15 # Check if the connection string was loaded
16 if not MONGO_URI:
17     raise ValueError("Missing MongoDB URI")
18
19 # Setup Flask-PyMongo with the connection string
20 app.config["MONGO_URI"] = MONGO_URI
21
22 # Initialize PyMongo
23 mongo = PyMongo(app)

```

PROBLEMS OUTPUT TERMINAL GITLENS AZURE DEBUG CONSOLE

bash

DELL@DESKTOP-759071M MINGW64 /F/LECTURES/Year 4/Y4S1/Research - Year 4/2023-035 (IT20123468\_Senaweera.T.I.S)

\$

IT20123468\_Senaweera.T.I.S

Senaweera T.I.S. it20123468

Wijayasena W.D.N.D.T. it20133368

Colabage K.G. it20126...

WI



Wijayasena W.D.N.D.T. it20133368 8/15 10:14 PM

[https://scholar.google.com/citations?view\\_op=top\\_venues](https://scholar.google.com/citations?view_op=top_venues)

<https://www.scimagojr.com/>

[https://www.hugedomains.com/domain\\_profile.cfm?d=reserach.com](https://www.hugedomains.com/domain_profile.cfm?d=reserach.com)



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[www.hugedomains.com](http://www.hugedomains.com)

<https://www.connectedpapers.com/>

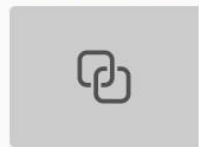


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Senaweera T.I.S. it20123468 8/15 10:44 PM

<https://beallslist.net/>



## Recording has started



Wijayasena W.D.N.D.T. it20133368 8/21 8:43 PM  
user - IT\_\_  
PWD - admin



Senaweera T.I.S. it20123468 8/21 8:43 PM  
node - v16.14.2  
Python 3.11.4



Wijayasena W.D.N.D.T. it20133368 8/21 9:10 PM  
ERROR in ./src/pages/Subjects/Subjects.jsx 6:0-82 c  
Module not found: Error: Cannot find file: 'SubjectContainer.jsx' does not matn  
match the corresponding name on disk: '.\src\components\SubjectContainer\suctCbjectContainer.jsx'.

[See more](#)



Senaweera T.I.S. it20123468 8/21 9:36 PM  
git stash  
  
git stash apply

## 5. GitLab Commits

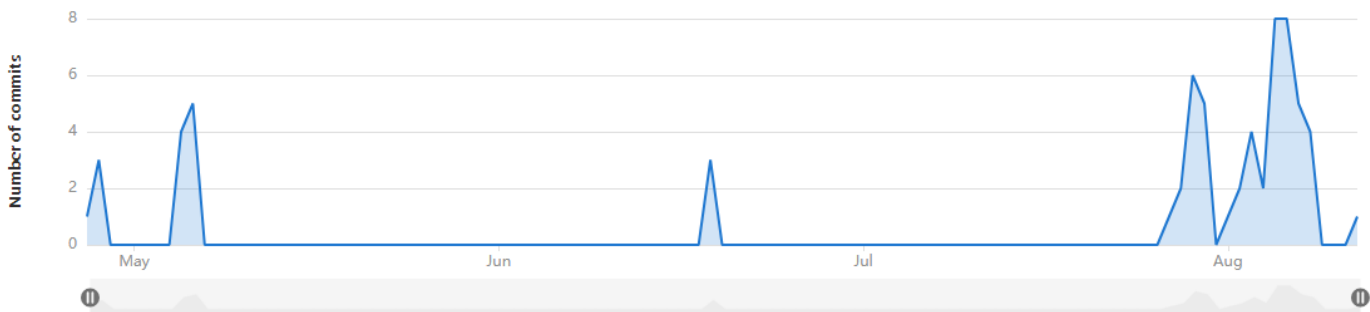
2023-035 > 2023-035 > Contributors

IT20126438\_Cola...

History

### Commits to IT20126438\_Colambage.K.G

Excluding merge commits. Limited to 6,000 commits.



2023-035 > 2023-035 > Repository > Branches

Overview Active Stale All

Filter by branch name

Delete merged branches

New branch

Active branches

Y master default protected				
-o- 6a690cfd · Merge branch 'IT20133504_Weerasekara.N.N' into 'master' · 3 days ago				
Y IT20123468_Senaweera.T.I.S	0   0	Merge request	Compare	
-o- 6a690cfd · Merge branch 'IT20133504_Weerasekara.N.N' into 'master' · 3 days ago				
Y IT20133504_Weerasekara.N.N merged	1   0	Merge request	Compare	
-o- 69c56d41 · Mind-map download feature added · 3 days ago				
Y IT20126438_Colambage.K.G_backup merged	5   0	Merge request	Compare	
-o- 0a7670a7 · Merge branch 'IT20133368_Wijayasena.W.D.N.D.T' into 'master' · 4 days ago				
Y IT20133368_Wijayasena.W.D.N.D.T merged	6   0	Merge request	Compare	
-o- f90f9f17 · Refactor code · 4 days ago				

Show more active branches

IT20126438\_Cola...

2023-035 / +

History

Find file

Web IDE

Download

Clone



## update backend &amp; frontend files

Colambage K.G authored 5 days ago

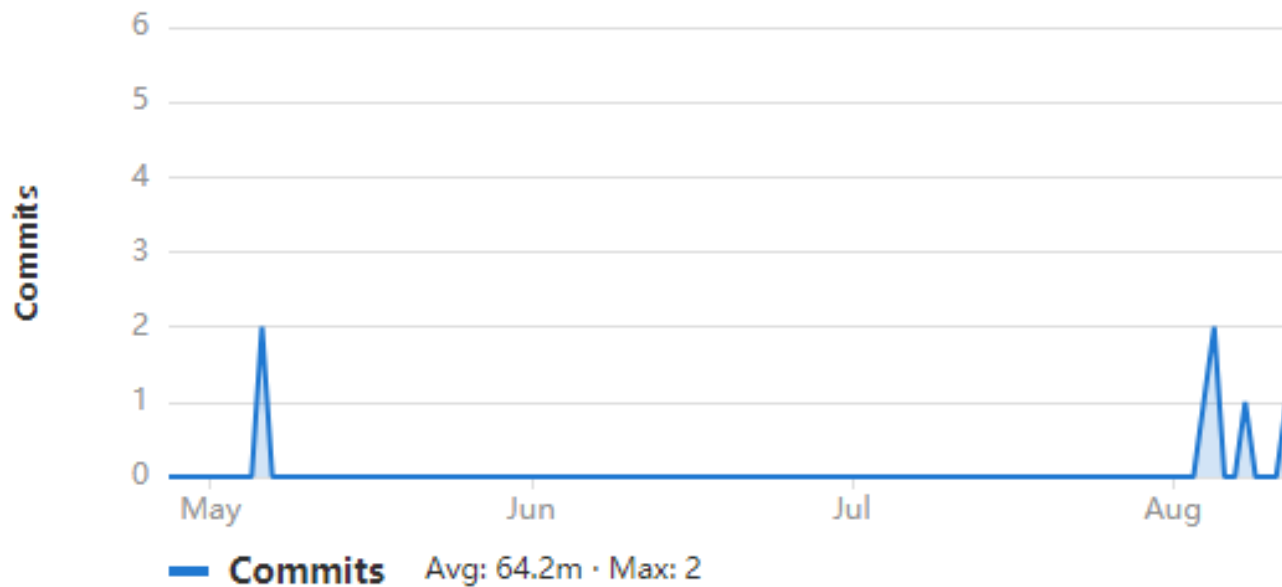
ea23366c



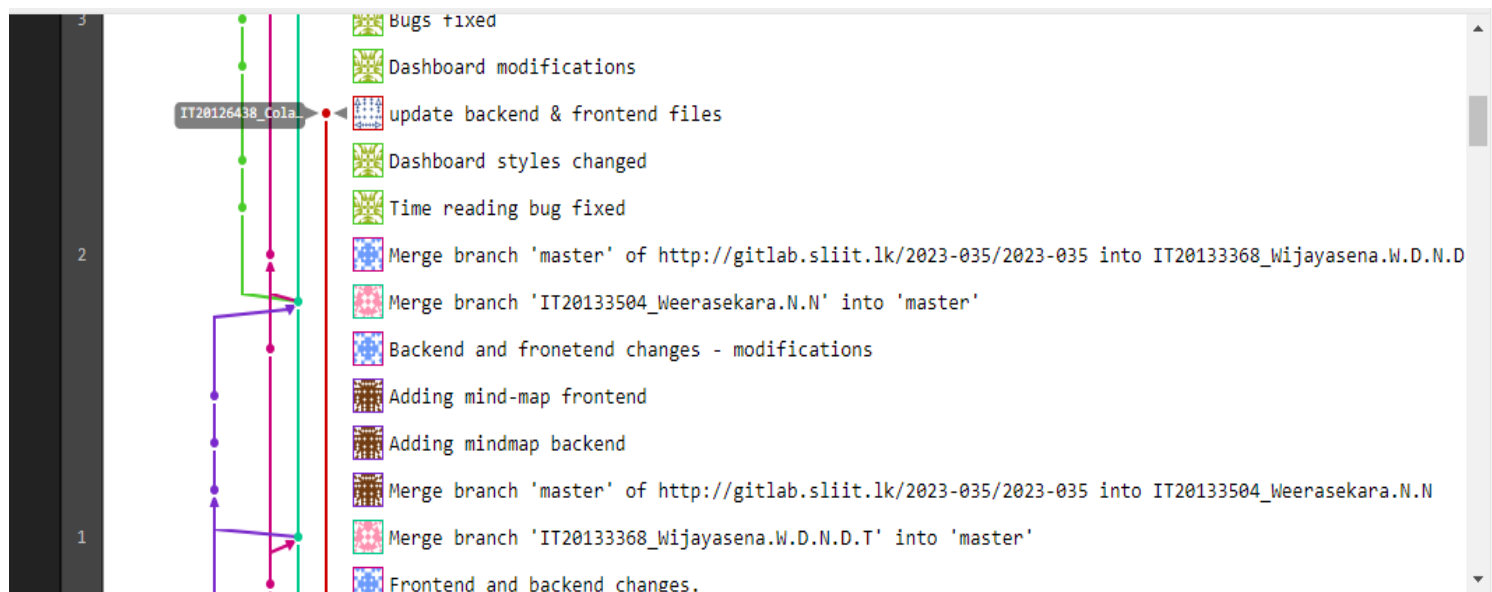
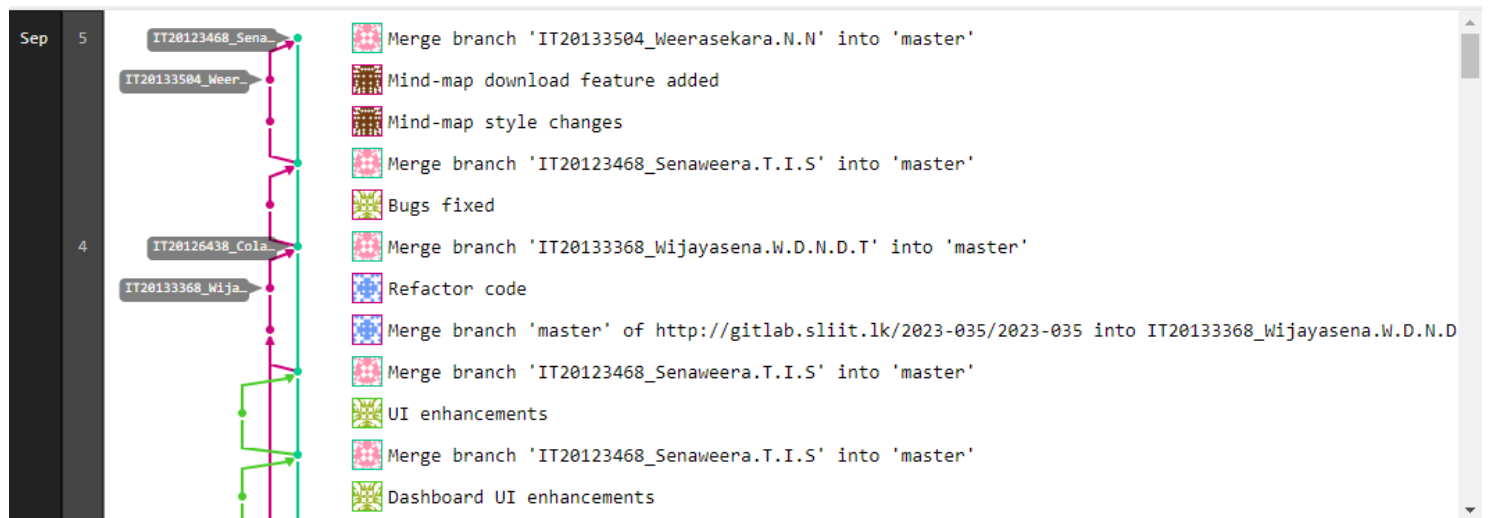
Name	Last commit	Last update
📁 BloomQuest	update backend & frontend files	5 days ago
📁 IT20123468	Changed folder structure	2 weeks ago
📁 IT20126438/Question & Answers	Change Folders	1 week ago
📁 IT20133368	Change Folders	1 week ago
📄 README.md	Update README.md	3 months ago

## Colambage

7 commits (it20126438@my.sliit.lk)







## 6. UI Designs and Testing

[Home](#) [Subjects](#) [Resources](#) [Feedback](#)

### IT1040

Database Management Systems

[Dashboard](#)

[+ Add Topic](#)

Introduction to DBMS. [Edit](#)


[Upload Material](#)

[View Material](#)

[View Mind Map](#)

[Attempt Quiz](#)

### Questions & Answers Based on Bloom's Taxonomy Level



#### Quiz

Blooms Taxnomy levels Category

5

Any Difficulty

Any Type

0

2

0

[Attempt Quiz](#)

**i** Question No.2 of 5  
{.Level 1 = Remembering Level.}

00

01

46

Q. What was Rage Against the Machine's debut album?

Please choose one of the following answers:

A. Bombtrack

B. Rage Against the Machine

C. Evil Empire

D. The Battle Of Los Angeles

Next



Stats

QNA

Sorry, YOU FAILED!

Grade: F

Total Questions: 5

Correct Answers: 2

Your Score: 40%

Passing Score: 60%

Time Taken: 0h 0m 36s



Re - Attempt



Back to Home



## Questions & Answers Based on Bloom's Taxnomy Level

Stats		QNA		
No.	Quiz -1 Questions	Your Answers	Correct Answers	Level 1 point
1	Tony Hawk's Pro Skater was released in 1999.	True	True	1
2	What was Rage Against the Machine's debut album?	The Battle Of Los Angeles	Rage Against the Machine	0
3	Bob Ross was a US Air Force pilot.	True	False	0
4	Who is the English voice actor for Sora from the Kingdom Hearts series?	Haley Joel Osment	Haley Joel Osment	1
5	What is the scientific name for the extinct hominin known as "Lucy"?	Australopithecus Antaris	Australopithecus Afarensis	0

## 7. Teams Planner

Completed ▾ Filter ▾ List Board Charts Schedule			
2023-035-Planner			
Task title	Completed by	Priority	Completed ↑
+ Add a task			
✓ use the python lyberie to Generate 10 questions	Colambage K.G. it20...	9/9	
✓ Implement a python liyberies to upgrade Bloom's level	Colambage K.G. it20...	9/9	
✓ Generate Question 3 Bloom's level	Colambage K.G. it20...	9/9	
✓ Catagerize Questions & Answers	Colambage K.G. it20...	9/9	
✓ Generate Questions & Answers	Colambage K.G. it20...	9/9	
✓ Categorize Questions and Answers Bloom's Taxonomy levels	Colambage K.G. it20...	9/9	

2023-035 > General > 2023-035-Planner
Group by Bucket ▾ Filter (1) ▾ List Board Charts Schedule

Implementation
+ Add task

Completed tasks 8 ^

✓ Implement a python liyberies to upgrade Bloom's level

CI Completed by Colambage K.G. it...

✓ Generate Questions & Answers

CI Completed by Colambage K.G. it...

✓ Develop time limit & See the Correct anaswers

CI Completed by Colambage K.G. it...

✓ Generate Question 3 Bloom's level

Presentations
+ Add task

○ Final presentation.

Due SI WI CI +1

Completed tasks 4 ^

✓ Progress-Presentation-2

CI Completed by Colambage K.G. it...

✓ Progress-presentation-2:

SI Completed by Senaweera T.I.S. it...

✓ Progress-presentation-1:

Testing
+ Add task

Completed tasks 1

✓ Q&A System - Unit Testing

CI Completed by Colambage K.G.

+ Add task

Due

WI

○ Project final report.

Documentation

!

09/10

SI

WI

CI

+1

○ Research paper.

Documentation

!

09/20

SI

WI

CI

+1

○ Final presentation.

Presentations

Due

CI

SI

WI

+1

Completed tasks22

111 | Page

## Status



Not started 1

In progress 2

Late 0

Completed 24



