

BLOCKCHAIN BASED CRIMINAL INFORMATION MANAGEMENT SYSTEM IN SRI LANKA

Project Id: TMP-23 -270

Status Document - 1

Brahanawardhan B - IT20150952

Supervisor – Mr. Kanishka Yapa

Co-Supervisor - Ms. Dinithi Pandithage

BSc (Hons) in Information Technology Specializing in Cyber
Security

Department of Computer System and Engineering

Sri Lankan Institute of Information Technology

Sri Lanka


May 2023

Contents

BSc (Hons) in Information Technology Specializing in Cyber Security	1
1. Microsoft Teams Details	3
1.1. Team Members.....	3
1.2. Meetings with Supervisor	3
1.3. Invite Supervisor to the Meeting - Outlook Mail	4
2. Teams calls with Research Team	4
3. Microsoft Teams Analytics	5
4. MS Teams Planner	6
4.1. Planner Board	6
5. Completed Tasks	7
5.2. Individual Tasks - Planning	9
6. WhatsApp Group with Supervisor and Co-Supervisor	10
6.2. Initial discussion With Supervisor	12
7. GitLab	14
7.1. Group Members in GitLab	14
7.2. GitLab Commits	14

1. Microsoft Teams Details


1.1.Team Members



Final year Research project 2023



Final year Research project 2023

[Members](#) [Pending Requests](#) [Channels](#) [Settings](#) [Analytics](#) [Apps](#) [Tags](#)







[Add member](#)


▼ **Owners (1)**

Name	Title	Location	Tags 	Role
 Brahamawawardhan B. it20150952				Owner ▼


▼ **Members and guests (3)**


Name	Title	Location	Tags 	Role
 Wijayarathne S. N it20171438				Member ▼ ✕
 Thushitharan .M it19983370				Member ▼ ✕
 Ahmed M.N.H it20157814				Member ▼ ✕


1.2.Meetings with Supervisor

















Proposal Presentation Discussion

[Chat](#) [Files](#) [Details](#) [Scheduling Assistant](#) [Attendance](#) [Meeting Whiteboard](#) +2 

[Join](#) [Close](#) 

[Cancel meeting](#)  Copy link [Show as: Busy](#) ▼ [Category: None](#) ▼ [Time zone: \(UTC+05:30\) Sri Jayawardenepura](#) ▼ ...

 Tuesday, March 28, 2023 2:30 PM - 3:30 PM [Show meeting info](#) ▼

       Paragraph ▼      

Microsoft Teams meeting


Join on your computer, mobile app or room device
[Click here to join the meeting](#)


Meeting ID: 438 217 564 636


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


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


Tracking


 Brahamawawardhan B. it20150952
Organizer

 Dinithi Pandithage
Accepted

 Kanishka Yapa
Unknown

 Wijayarathne S. N it20171438
Unknown

 Ahmed M.N.H it20157814
Unknown

 Thushitharan .M it19983370
Unknown

1.3. Invite Supervisor to the Meeting - Outlook Mail

The screenshot shows the Outlook web interface. On the left, the 'Results' pane lists several emails from 'Kanishka Yapa'. The selected email on the right is titled 'meeting link' and is from 'Brahamawawardhan B. it20150952' to 'Kanishka Yapa' on 2/7/2023 at 8:40 PM. The email body contains a Teams meeting link.

Results

- KY** Kanishka Yapa, Dinithi Pandithage, ... Wijayarathne S. N it20171438
> Proposal Presentation Discussion
Microsoft Teams meeting Join on your computer
3/28/2023
- KY** Kanishka Yapa
(no subject)
Sent from Mail for Windows
2/9/2023
- KY** Kanishka Yapa
meeting link
https://teams.microsoft.com/l/meetup-join/19%
2/7/2023
- KY** Kanishka Yapa
(no subject)
https://teams.microsoft.com/l/meetup-join/19%
2/7/2023
- KY** Kanishka Yapa, Wijayarathne S. N it20171438,
Confirmation for supervision to RP 2023
Dear sir, Could you please find the attachment
12/23/2022

meeting link

BI Brahamawawardhan B. it20150952 <it20150952@my.sliit.lk>
2/7/2023 8:40 PM

To: Kanishka Yapa

https://teams.microsoft.com/l/meetup-join/19%
3ameeting_NDYzMDYyZTETNTBIYS00MTYxLWI4NWUtZmE1N2U5YzFhYzNi%40thread.v2/0?
context=%7b%22Tid%22%3a%22bd7b1ded-1501-45d2-9e2d-070b865e616f%22%2c%22Oid%
22%3a%22007a7666-503f-4a9b-ac31-4b72072e33dd%22%7d

2. Teams calls with Research Team

The screenshot shows the Microsoft Teams 'Calls' interface. On the left is a list of contacts. The center pane shows a 'History' of calls, including outgoing and incoming calls with durations and dates. On the right, there are 'Contact groups' including 'Speed dial' and 'Other Contacts'.

Calls Phone Contacts

Type a name

- DB** Dilushiya D. bm20457648
- T** Thushitharan .M it19983370
- AI** Ahmed M.N.H it20157814
- YI** Yathurshan.K it20177614


History

- DB** Dilushiya D. bm2045 /648
Outgoing
5/4/2023
- T** Thushitharan .M it19983370
Outgoing
47m 47s 3/29/2023
- AI** Ahmed M.N.H it20157814
Incoming
29m 26s 10/16/2022
- AI** Ahmed M.N.H it20157814
Incoming
7s 10/16/2022
- YI** Yathurshan.K it20177614
Outgoing
38m 36s 10/13/2022
- YI** Yathurshan.K it20177614
Outgoing
10/13/2022
- YI** Yathurshan.K it20177614
Outgoing
10/13/2022
- YI** Yathurshan.K it20177614
Incoming
15m 50s 10/13/2022
- WI** IT20111410, IT20157814, +2
Incoming from Ahmed M.N.H it20157814
1h 34m 10/10/2022
- WI** Wijeratne A.I.B. it20111410
Missed incoming
10/10/2022
- WI** Wijeratne A.I.B. it20111410
Missed incoming
10/10/2022

Contact groups

- Speed dial
- Other Contacts

Don't forward




Final year Research project 2023

Final year Research project 2023

Members
Pending Requests
Channels
Settings
Analytics
Apps
Tags




▼

Owners (1)


Name	Title	Location	Tags	Role
 Brahanawawardhan B. it...				Owner ▼

▼

Members and guests (3)

Name	Title	Location	Tags	Role
 Wijayarathne S. N it2017...				Member ▼ ✕
 Thushitharan .M it19983...				Member ▼ ✕
 Ahmed M.N.H it20157814				Member ▼ ✕

3. Microsoft Teams Analytics



Final year Research project 2023

Final year Research project 2023

Members
Pending Requests
Channels
Settings
Analytics
Apps
Tags

Summary

4

Users

9

Apps

0

Meetings

1.46 MB

SharePoint files

Engagement

2

Posts

32

Replies


5

Mentions

6

Reactions

Role




4

Owners + Members

0

Guests

Active users



Top inactive channels

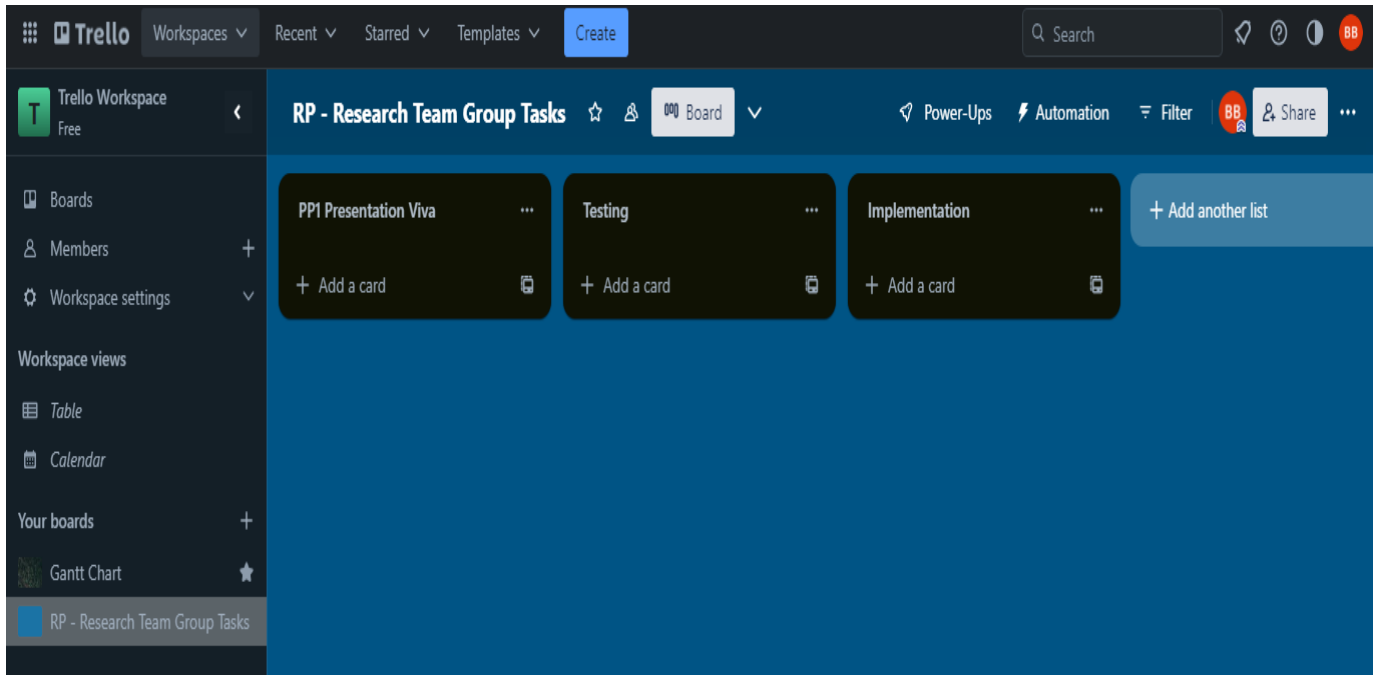
ⓘ

No Inactive Channels

4. MS Teams Planner

4.1.Planner Board

Group Tasks



4.2. Individual Tasks

The screenshot displays the 'Planner' application interface for project 'TMP-23-270' (Final year Research project 2023). The interface is divided into a left sidebar and a main workspace. The sidebar includes navigation options: 'New plan', 'Hub', 'Assigned to me', 'Pinned', and 'All'. The 'All' section is selected, showing the project 'TMP-23-270'. The main workspace is organized into five columns: 'Initiating', 'Planning', 'Executing', 'Monitoring and controlling', and 'Closing'. Each column has an 'Add task' button and a list of tasks. Tasks are represented by cards with a title, a 'Due' date, and a status indicator (a circle with a dot). The tasks are as follows:

- Initiating:**
 - Literature Review - Research Papers
 - Understand the Current system in Sri Lanka
 - Information Gathered related to Criminal System in Sri Lanka
 - Connect with Supervisor and Got some Ideas
 - Feasible Study on Blockchain Domain
 - Prepare Proposal Report - individual
 - Project Charter Conformation Form
- Planning:**
 - Update my blockchain network with future Requirement
 - Review Some More Research Papers related to Blockchain
 - Deep Feasible Study on Blockchain Based Criminal Information Management System
 - Build The Criminal Information System
- Executing:**
 - Prepare PP1 Presentation - 50%
 - Develop the Web3 Development for Criminal Information Management System
 - Understand Functional and Nonfunctional Requirement
 - Developing the Smart Contract using Solidity
 - Setup the Ethereum Blockchain Network
- Monitoring and controlling:**
 - Report monthly status
 - Conduct team performance

5. Completed Tasks

Group Tasks

This screenshot shows the same 'Planner' application interface, but with several tasks completed. The 'Initiating' column now has a yellow checkmark next to 'Connect with Supervisor and Got some Ideas'. The 'Planning' column has a yellow checkmark next to 'Update my blockchain network with future Requirement'. The 'Executing' column has a yellow checkmark next to 'Developing Criminal Information System Web Interface'. The 'Monitoring and controlling' column has a yellow checkmark next to 'Report monthly status'. The 'Closing' column has a yellow checkmark next to 'Summarise project results and learnt'. The tasks are as follows:

- Initiating:**
 - Literature Review - Research Papers
 - Understand the Current system in Sri Lanka
 - Information Gathered related to Criminal System in Sri Lanka
 - Connect with Supervisor and Got some Ideas
 - Feasible Study on Blockchain Domain
 - Prepare Proposal Report - individual
 - Project Charter Conformation Form
- Planning:**
 - Update my blockchain network with future Requirement
 - Review Some More Research Papers related to Blockchain
 - Deep Feasible Study on Blockchain Based Criminal Information Management System
 - Build The Criminal Information System
- Executing:**
 - Developing Criminal Information System Web Interface
 - Prepare PP1 Presentation - 50%
 - Develop the Web3 Development for Criminal Information Management System
 - Understand Functional and Nonfunctional Requirement
 - Developing the Smart Contract using Solidity
 - Setup the Ethereum Blockchain Network
- Monitoring and controlling:**
 - Report monthly status
 - Conduct team performance reviews
- Closing:**
 - Summarise project results and learnt

Planner

+

New plan

Hub

Assigned to me

Pinned

All

TMP-23-270

Show more

TMP-23-270

Final year Research project 2023

Grid

Board

Charts

Schedule

...

Initiating

+ Add task

Connect with Supervisor and Got some Ideas

Due

AI TI

+1

Feasible Study on Blockchain Domain

Due

Prepare Proposal Report - individual

Due

AI TI

+1

Project Charter Conformation Form

Due

AI TI

+1

Attend Proposal presentation

Due

AI TI

+1

Proposal Presentation

Due

AI TI

+1

Prepared a Topic Assessment Form

Due

AI TI

+1

Planning

+ Add task

Update my blockchain network with future Requirement

Due

Review Some More Research Papers related to Blockchain

Due

Deep Feasible Study on Blockchain Based Criminal Information Management System

Due

Build The Criminal Information System

Due

Executing

+ Add task

Developing Criminal Information System Web Interface

Due

AI TI

+1

Prepare PP1 Presentation - 50%

Due

AI TI

+1

Develop the Web3 Development for Criminal Information Management System

Due

UnderStand Functional and Nonfunctional Requirement

Due

Developing the Smart Contract using Solidity

Due

Setup the Ethereum Blockchain Network

Due

Individual Tasks

Planner

+

New plan

Hub

Assigned to me

Pinned

All

TMP-23-270

Show more

TMP-23-270

Final year Research project 2023

Grid

Board

Charts

Schedule

...

Initiating

+ Add task

Literature Review - Research Papers

Due

Understand the Current system in Sri Lanka

Due

Information Gathered related to Criminal System in Sri Lanka

Due

Connect with Supervisor and Got some Ideas

Due

AI TI

+1

Feasible Study on Blockchain Domain

Due

Prepare Proposal Report - individual

Due

AI TI

+1

Project Charter Conformation Form

Due

AI TI

+1

Planning

+ Add task

Update my blockchain network with future Requirement

Due

Review Some More Research Papers related to Blockchain

Due

Deep Feasible Study on Blockchain Based Criminal Information Management System

Due

Build The Criminal Information System

Due

Executing

+ Add task

Developing Criminal Information System Web Interface

Due

AI TI

+1

Prepare PP1 Presentation - 50%

Due

AI TI

+1

Develop the Web3 Development for Criminal Information Management System

Due

UnderStand Functional and Nonfunctional Requirement

Due

Developing the Smart Contract using Solidity

Due

Setup the Ethereum Blockchain Network

Due

Get the Planner app

5.1. Pending Tasks

Group Tasks

The screenshot displays the Planner app interface for a project named "TMP-23-270" (Final year Research project 2023). The interface is divided into three main columns: Initiating, Planning, and Executing. Each column contains a list of tasks with due dates and status indicators.

Initiating Column:

- Literature Review - Research Papers (Due)
- Understand the Current system in Sri Lanka (Due)
- Information Gathered related to Criminal System in Sri Lanka (Due)
- Connect with Supervisor and Got some Ideas (Due)
- Feasible Study on Blockchain Domain (Due)
- Prepare Proposal Report - individual (Due)
- Project Charter Conformation Form (Due)

Planning Column:

- Update my blockchain network with future Requirement (Due)
- Review Some More Research Papers related to Blockchain (Due)
- Deep Feasible Study on Blockchain Based Criminal Information Management System (Due)
- Build The Criminal Information System (Due)

Executing Column:

- Developing Criminal Information System Web Interface (Due)
- Prepare PP1 Presentation - 50% (Due)
- Develop the Web3 Development for Criminal Information Management System (Due)
- UnderStand Functional and Nonfunctional Requirement (Due)
- Developing the Smart Contract using Solidity (Due)
- Setup the Ethereum Blockchain Network (Due)

The left sidebar shows navigation options: New plan, Hub, Assigned to me, Pinned, and All. The bottom of the screen has a link to "Get the Planner app".

5.2. Individual Tasks - Planning

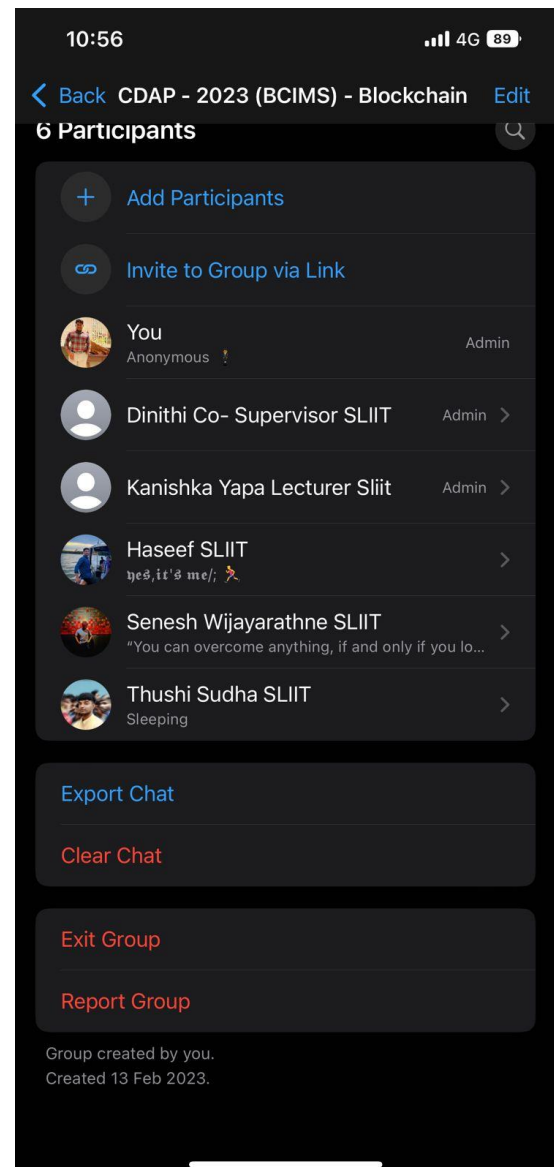
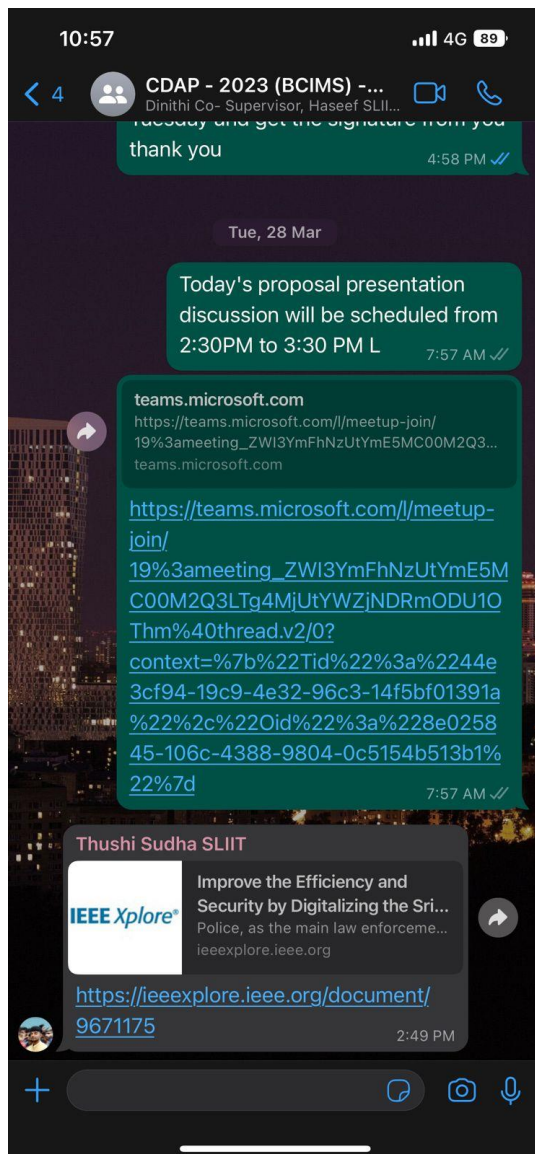
This screenshot is similar to the one above, but it highlights the "Planning" column. A yellow vertical line is drawn through the Planning column, emphasizing the tasks listed there.

Planning Column (Highlighted):

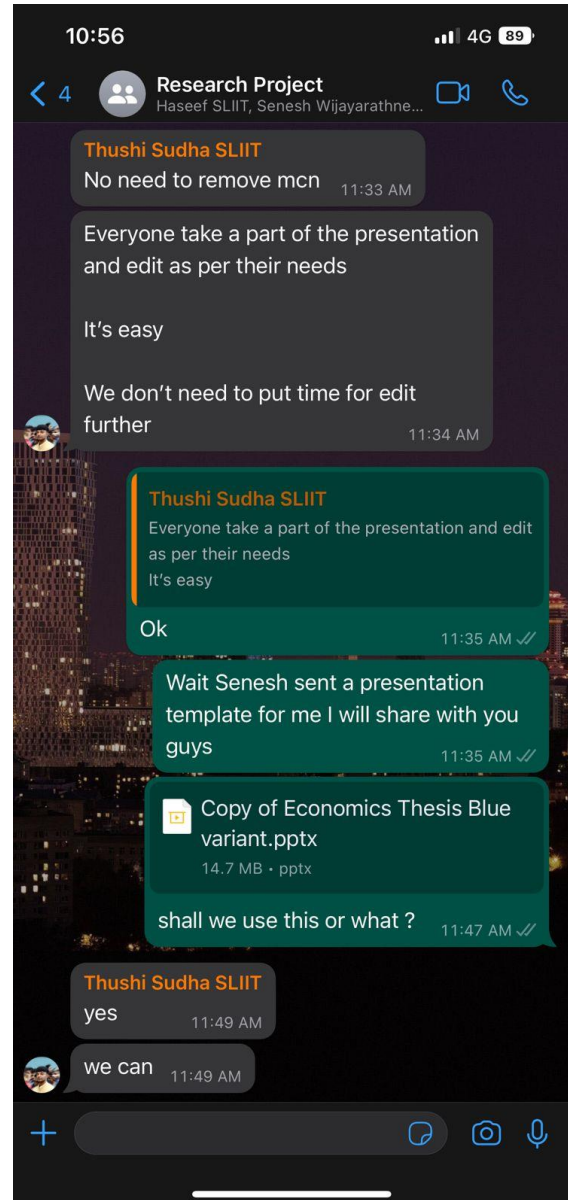
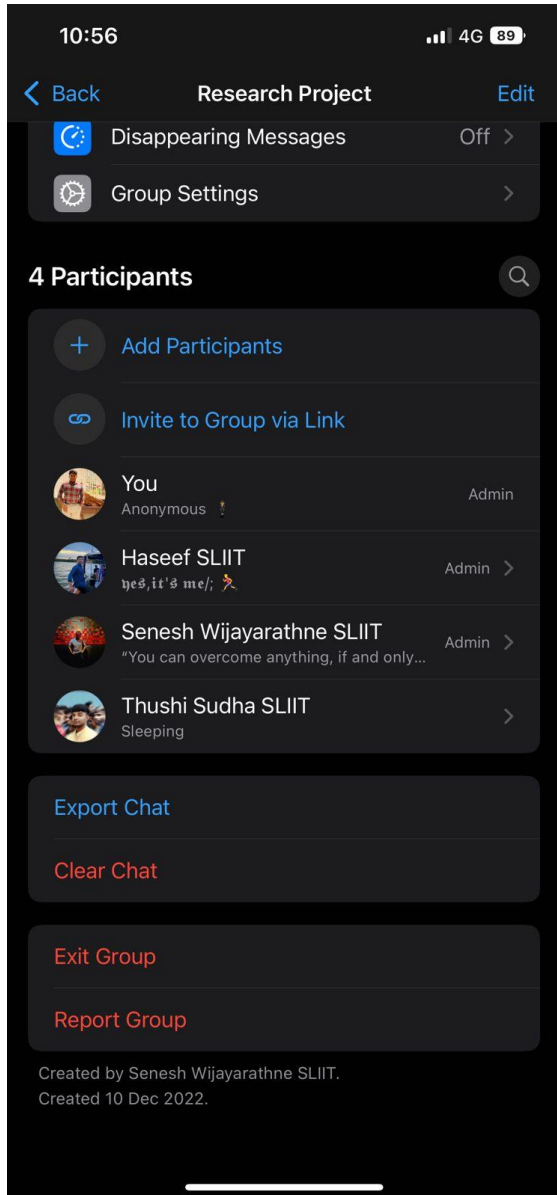
- Update my blockchain network with future Requirement (Due)
- Review Some More Research Papers related to Blockchain (Due)
- Deep Feasible Study on Blockchain Based Criminal Information Management System (Due)
- Build The Criminal Information System (Due)

The other columns and the sidebar remain the same as in the previous screenshot.

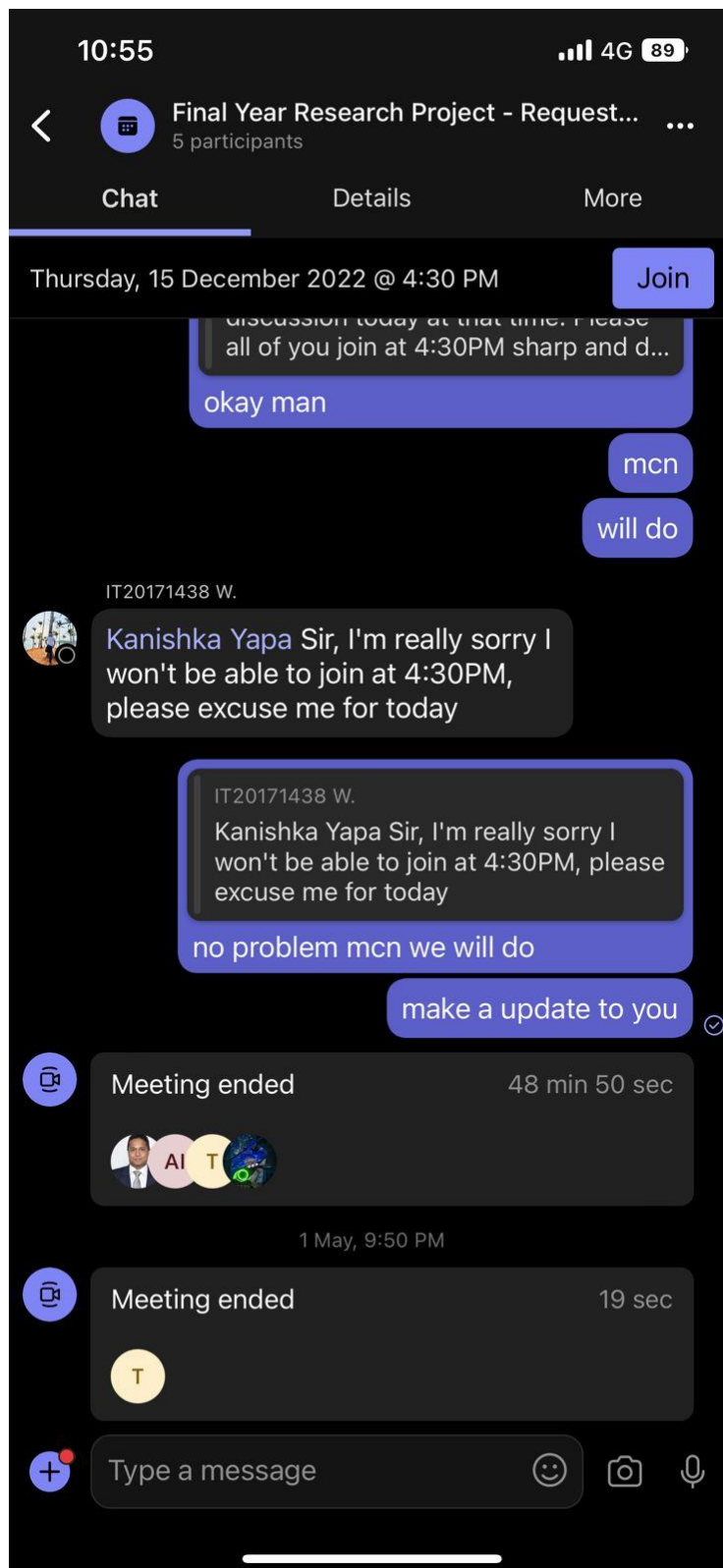
6. WhatsApp Group with Supervisor and Co-Supervisor



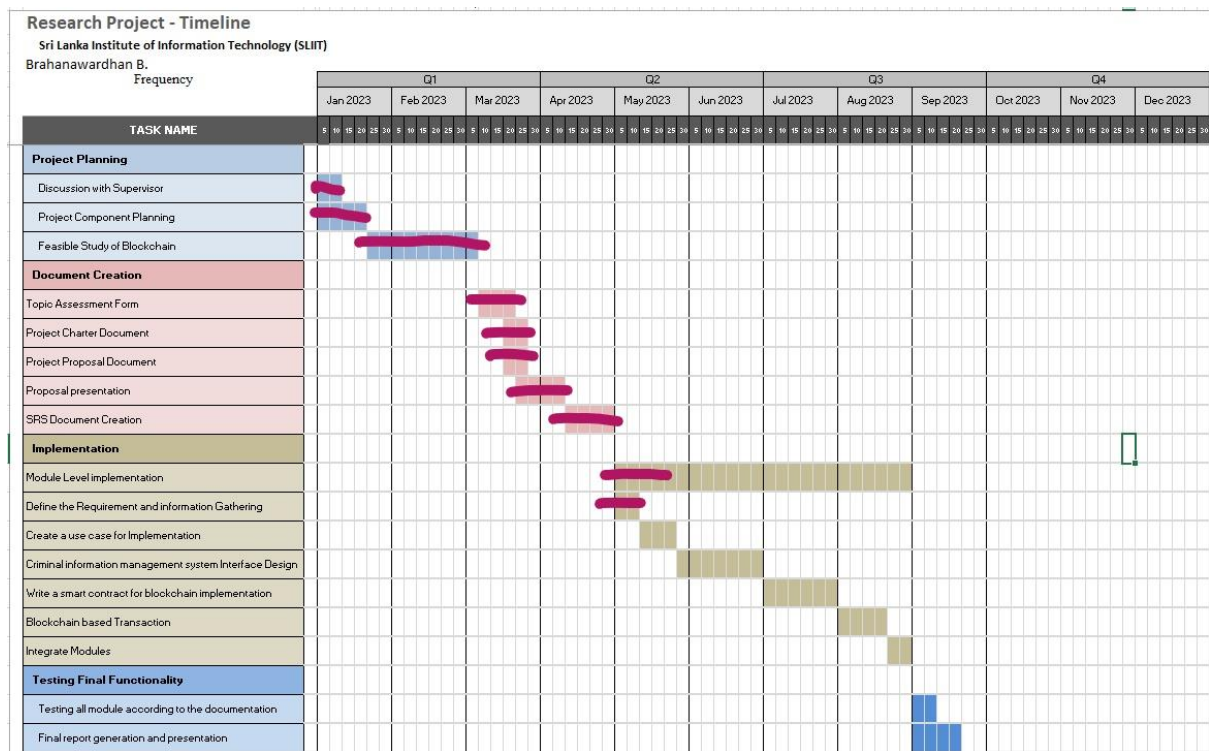
6.1. WhatsApp Group with Group Member



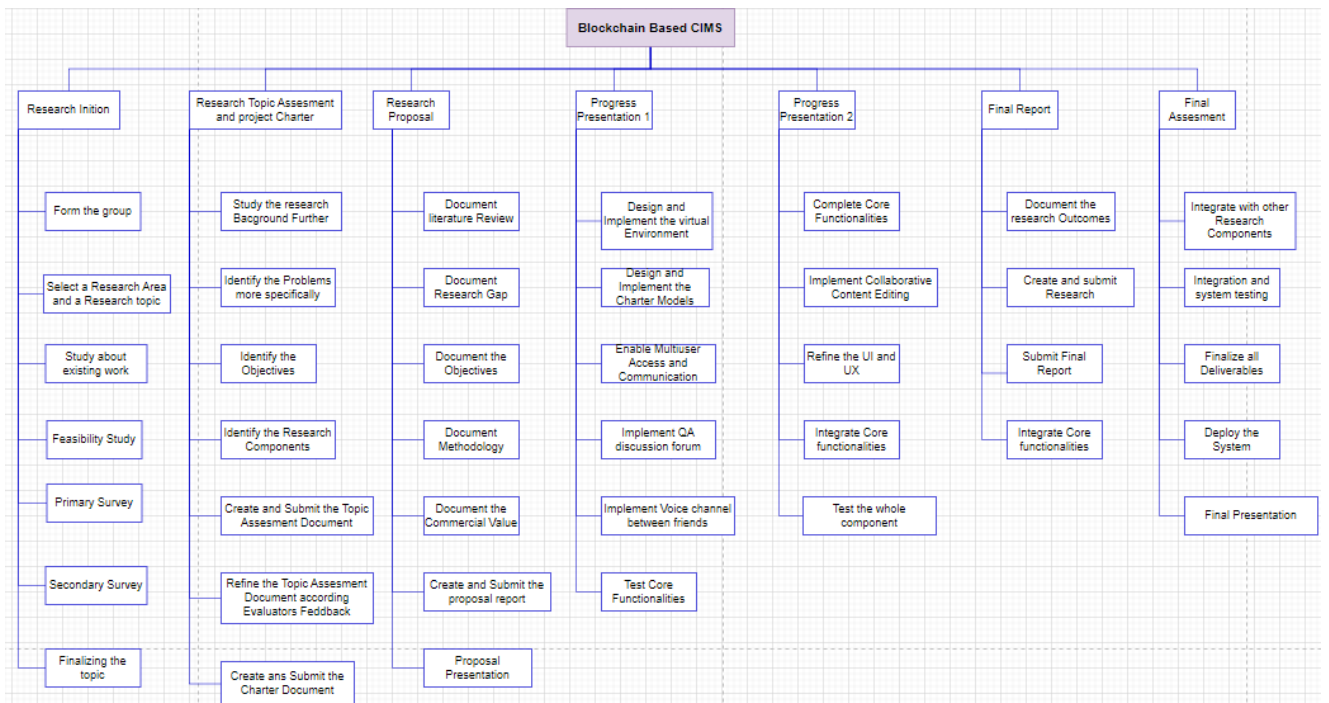
6.2. Initial discussion With Supervisor



7. Gantt Chart



8. Work Breakdown Structure



7. GitLab

7.1. Group Members in GitLab

The screenshot shows the GitLab web interface for the group 'TMP-23-270'. The left sidebar contains navigation links: Project overview, Repository, Issues (0), Merge Requests (0), CI / CD, Operations, Analytics, Wiki, Snippets, and Settings. The 'Settings' menu is expanded, showing options like General, Members (selected), Integrations, Webhooks, Repository, CI / CD, and Operations. The main content area is titled 'Invite member' and includes a search bar for 'GitLab member or Email address', a dropdown for 'Choose a role permission' (set to 'Guest'), and a field for 'Access expiration date'. Below this is a table of 'Existing members and groups' for 'TMP-23-270'. The table lists six members, all with the role 'Owner' and 'Given access 1 week ago'. The members are: Brahanawardhan Balasubramaniam, Dinithi Pandithage, Haseef Ahmed, Kanishka Yapa, Senesh Wijayarathne, and Thushitharan.

Members of TMP-23-270		Find existing members by name	Sort by	Name, ascending
	Brahanawardhan Balasubramaniam @Brahanawardhan_IT20150952 It's you · TMP-23-270 Given access 1 week ago			Owner
	Dinithi Pandithage @dinithi_sp · TMP-23-270 Given access 1 week ago			Owner
	Haseef Ahmed @IT20157814 · TMP-23-270 Given access 1 week ago			Owner
	Kanishka Yapa @kanishka · TMP-23-270 Given access 1 week ago			Owner
	Senesh Wijayarathne @it20171438 · TMP-23-270 Given access 1 week ago			Owner
	Thushitharan @it19983370 · TMP-23-270 Given access 1 week ago			Owner

7.2. GitLab Commits

The screenshot shows the GitLab 'Commits' page for the repository 'tmp-23-270'. The left sidebar is similar to the previous screenshot, but the 'Commits' link is selected. The main content area shows a list of commits. The top commit is 'Update README.md' by Senesh Wijayarathne, authored 3 days ago, with commit hash 57a1da9c. Below it are several other commits, all 'Update README.md' by Brahanawardhan Balasubramaniam, authored 1 week ago. The commits are listed in descending order of age. The commit hashes are: 7bd983f9, fe7cb37d, eca378a6, 97f22928, b9213b15, 4aadf306, 4f8169d2, da828328, c528b3fe, 51cb19c2, and a23d101a.

Commit Hash	Message	Author	Authored
57a1da9c	Update README.md	Senesh Wijayarathne	3 days ago
7bd983f9	Update README.md	Brahanawardhan Balasubramaniam	1 week ago
fe7cb37d	Update README.md	Brahanawardhan Balasubramaniam	1 week ago
eca378a6	Update README.md	Brahanawardhan Balasubramaniam	1 week ago
97f22928	Update README.md	Brahanawardhan Balasubramaniam	1 week ago
b9213b15	Update README.md	Brahanawardhan Balasubramaniam	1 week ago
4aadf306	Update README.md	Brahanawardhan Balasubramaniam	1 week ago
4f8169d2	Update README.md	Brahanawardhan Balasubramaniam	1 week ago
da828328	Update README.md	Brahanawardhan Balasubramaniam	1 week ago
c528b3fe	Update README.md	Brahanawardhan Balasubramaniam	1 week ago
51cb19c2	Update README.md	Brahanawardhan Balasubramaniam	1 week ago
a23d101a	Update README.md	Brahanawardhan Balasubramaniam	1 week ago

