

BLOCKCHAIN BASED CRIMINAL INFORMATION MANAGEMENT SYSTEM IN SRI LANKA

Project Id: TMP-23 -270

Status Document - 1

M.N.H Ahmed – IT20157814

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

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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
 Brahanawawardhan B...				Owner ▼


▼ **Members and guests (3)**


Name	Title	Location	Tags 	Role
 Wijayarathne S. N it2...				Member ▼ 
 Thushitharan .M it199...				Member ▼ 
 Ahmed M.N.H it2015...				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


 Brahanawawardhan 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 an Outlook email interface. On the left, under the 'Results' tab, there is a list of search results. The selected email is from 'Brahamawardhan B. it20150952' with the subject 'meeting link'. The email body contains a Teams meeting link and a confirmation message for supervision to RP 2023.

Results

All results

- KY** Kanishka Yapa, Dinithi Pandithage, ... Wijayarathne S. N it20171438
> Proposal Presentation Discussion 3/28/2023
Microsoft Teams meeting Join on your computer
- KY** Kanishka Yapa (no subject) 2/9/2023
Sent from Mail for Windows
- KY** Kanishka Yapa meeting link 2/7/2023
[https://teams.microsoft.com/l/meetup-join/19%](https://teams.microsoft.com/l/meetup-join/19%3ameeting_NDYzMDYyZTEtNTBiYS00MTYxLWl4NWUtZmE1N2U5YzFhYzNi%40thread.v2?context=%7b%22id%22%3a%22bd7b1ded-1501-45d2-9e2d-070b865e616f%22%2c%22oid%22%3a%22007a7666-503f-4a9b-ac31-4b72072e33dd%22%7d)
- KY** Kanishka Yapa (no subject) 2/7/2023
[https://teams.microsoft.com/l/meetup-join/19%](https://teams.microsoft.com/l/meetup-join/19%3ameeting_NDYzMDYyZTEtNTBiYS00MTYxLWl4NWUtZmE1N2U5YzFhYzNi%40thread.v2?context=%7b%22id%22%3a%22bd7b1ded-1501-45d2-9e2d-070b865e616f%22%2c%22oid%22%3a%22007a7666-503f-4a9b-ac31-4b72072e33dd%22%7d)
- KY** Kanishka Yapa, Wijayarathne S. N it20171438, Confirmation for supervision to RP 2023 12/23/2022
Dear sir, Could you please find the attachment

meeting link

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

To: Kanishka Yapa

https://teams.microsoft.com/l/meetup-join/19%3ameeting_NDYzMDYyZTEtNTBiYS00MTYxLWl4NWUtZmE1N2U5YzFhYzNi%40thread.v2?context=%7b%22id%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' tab. On the left, there is a list of contacts. The 'History' tab is selected, showing a list of calls. The calls are categorized by status: All, Missed, Incoming, and Voicemail. The 'Contact groups' section on the right shows '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


All Missed Incoming Voicemail

- DB** Dilushiya D. bm20457648 5/4/2023
Outgoing
- T** Thushitharan .M it19983370 47m 47s 3/29/2023
Outgoing
- AI** Ahmed M.N.H it20157814 29m 26s 10/16/2022
Incoming
- AI** Ahmed M.N.H it20157814 7s 10/16/2022
Incoming
- YI** Yathurshan.K it20177614 38m 36s 10/13/2022
Outgoing
- YI** Yathurshan.K it20177614 10/13/2022
Outgoing
- YI** Yathurshan.K it20177614 10/13/2022
Outgoing
- YI** Yathurshan.K it20177614 15m 50s 10/13/2022
Incoming
- WI** IT20111410, IT20157814, +2 1h 34m 10/10/2022
Incoming from Ahmed M.N.H it20157814
- WI** Wijeratne A.I.B. it20111410 10/10/2022
Missed incoming
- WI** Wijeratne A.I.B. it20111410 10/10/2022
Missed incoming

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



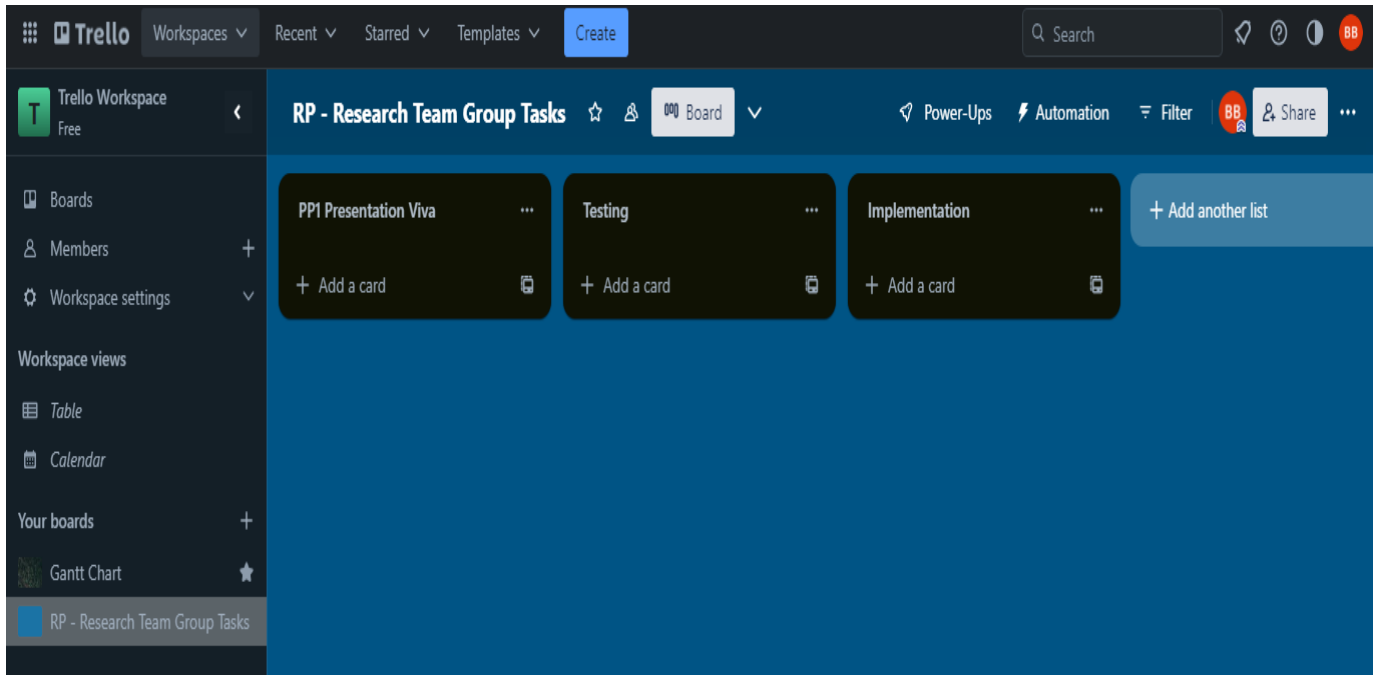
Top inactive channels

ⓘ 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 top bar includes the Planner logo and navigation tabs: Grid, Board, Charts, Schedule.

5.2. Individual Tasks - Planning

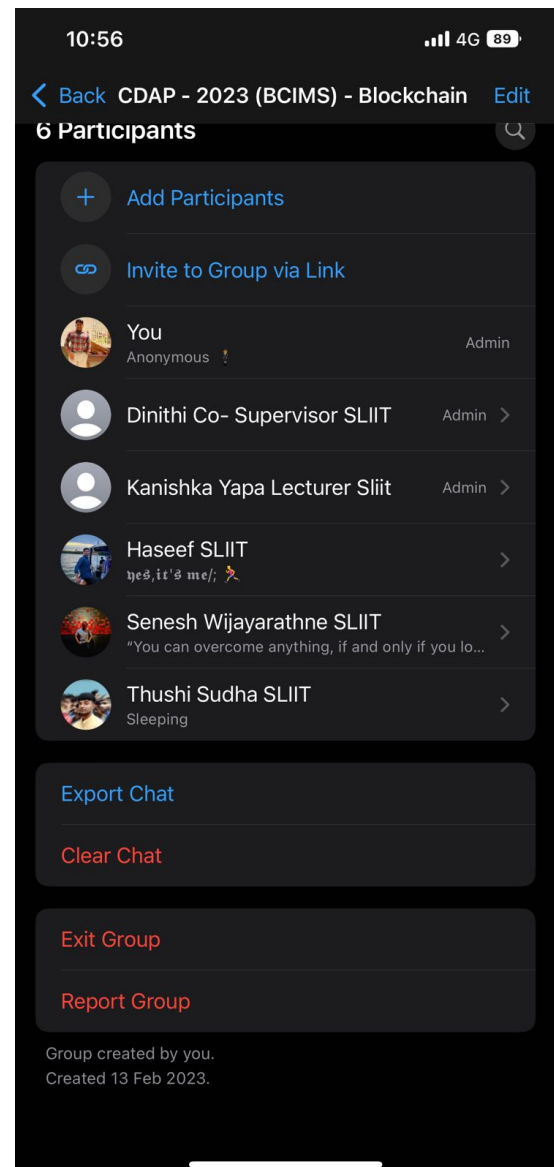
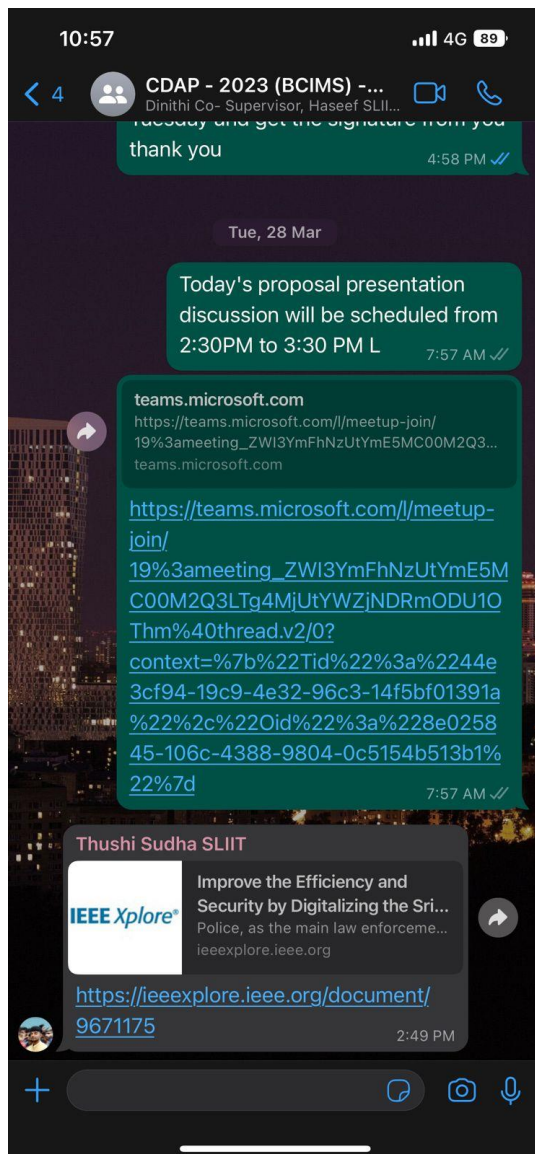
This screenshot is a zoomed-in view of the Planning column in the Planner app. It shows four tasks, each with a yellow highlight and a due date indicator.

Planning Column Tasks:

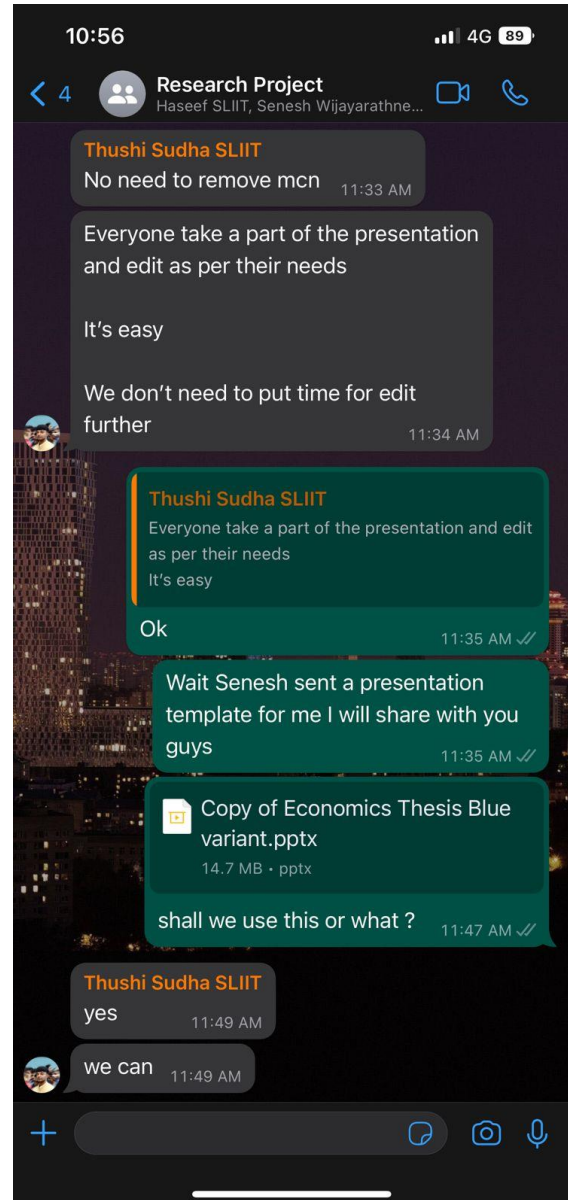
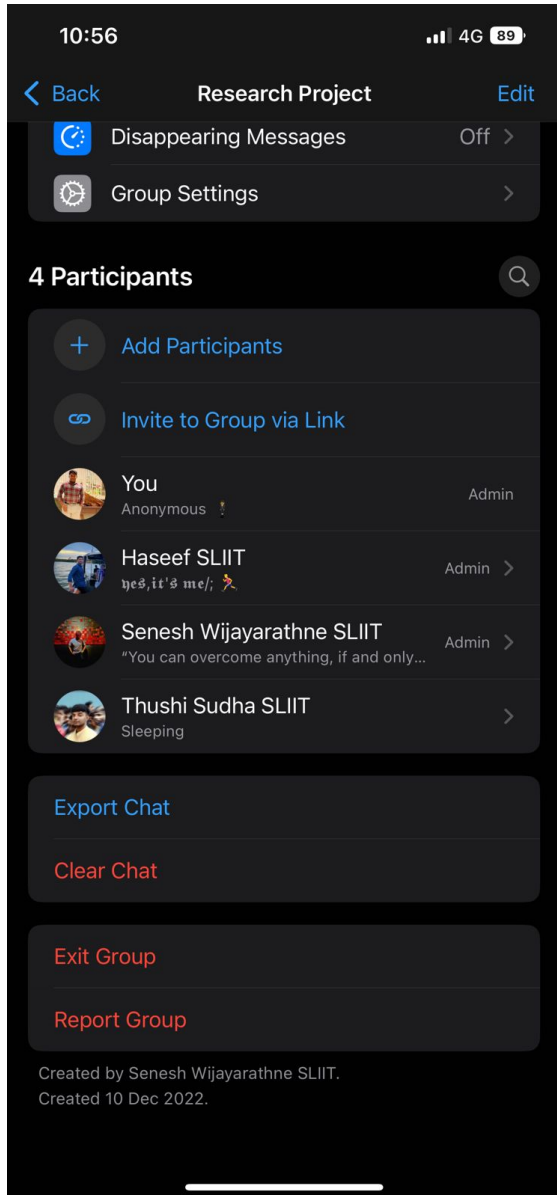
- Update my blockchain network with future Requirement (Due)
- Review Some More Research Papers related to Blockchain (Due)
- Deep Feasible Study on Blockchain Based Criminal Information Management System (Due)
- Build The Criminal Information System (Due)

The interface also shows the Initiating and Executing columns in the background, with their respective tasks. The left sidebar and top navigation bar are consistent with the previous screenshot.

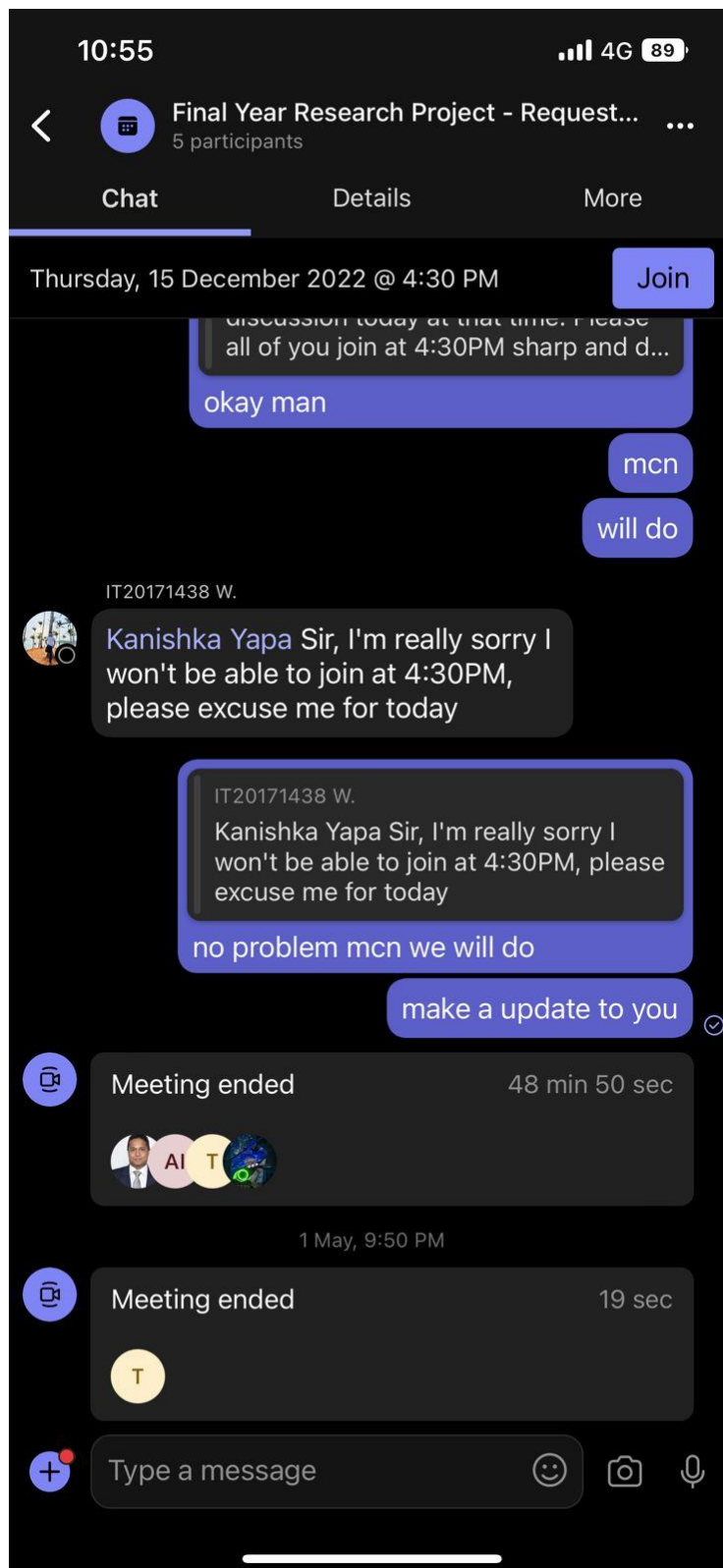
6. WhatsApp Group with Supervisor and Co-Supervisor



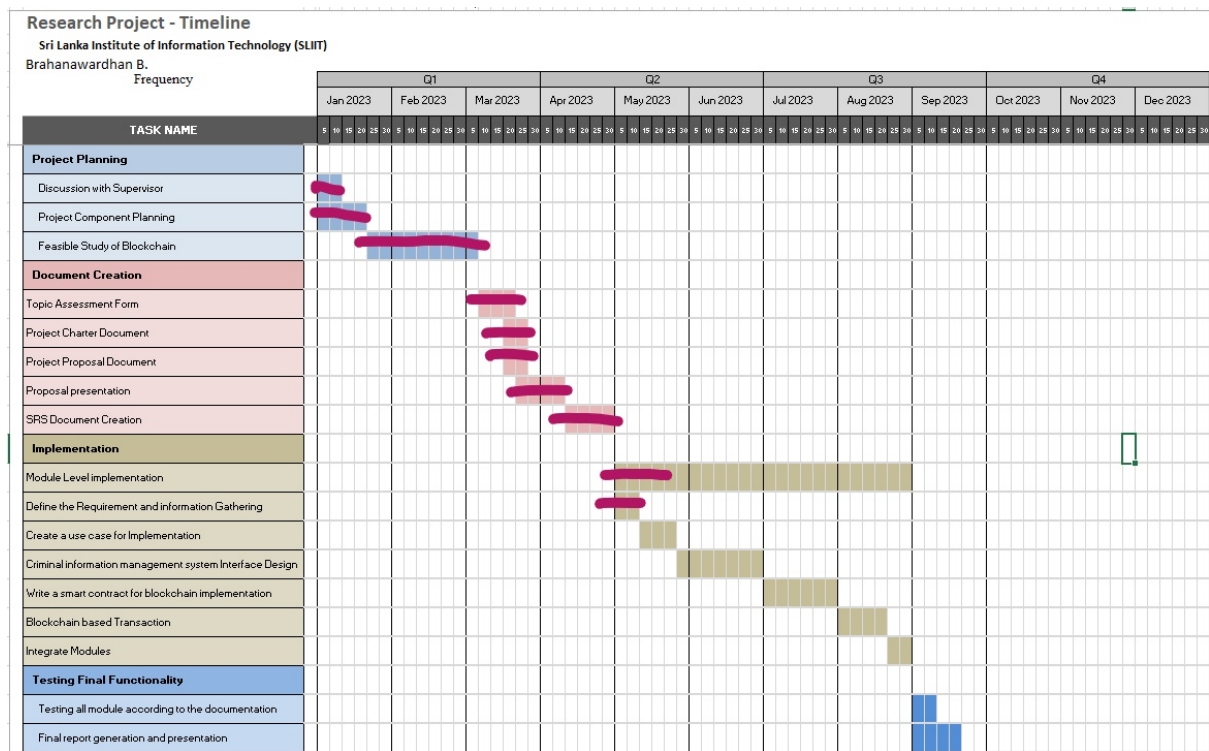
6.1. WhatsApp Group with Group Member



6.2. Initial discussion With Supervisor



7. Gantt Chart



8. Work Breakdown Structure

