

# BLOCKCHAIN BASED CRIMINAL INFORMATION MANAGEMENT SYSTEM IN SRI LANKA

Project ID: 23 -270

Status Document - 1

Wijayarathne S. N. - IT20171438

Supervisor – Mr. Kanishka Yapa

Co-Supervisor - Ms. Dinithi Pandithage

BSc (Hons) in Information Technology Specializing in Cyber Security

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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
 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](#)

**B** *I* U     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 email interface. On the left, the 'Results' pane displays a list of emails from 'kanishka.y@sliit.lk'. The main pane shows the selected email titled 'meeting link' from 'Brahamawardhan B. it20150952 <it20150952@my.sliit.lk>' dated 2/7/2023 8:40 PM. The email content includes a Teams meeting link: [https://teams.microsoft.com/l/meetup-join/19%3ameeting\\_NDYzMDYyZTEtNTBiYS00MTYxLWI4NWUzZmE1N2U5YzFhYzNj%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](https://teams.microsoft.com/l/meetup-join/19%3ameeting_NDYzMDYyZTEtNTBiYS00MTYxLWI4NWUzZmE1N2U5YzFhYzNj%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).

Results	meeting link
<p>kanishka.y@sliit.lk</p> <p>Sent Items</p> <p>All results</p> <p>KY Kanishka Yapa, Dinithi Pandithage, ... Wijayarath &gt; Proposal Presentation Discussion 3/28/2023 Microsoft Teams meeting Join on your computer</p> <p>KY Kanishka Yapa (no subject) 2/9/2023 Sent from Mail for Windows</p> <p>KY Kanishka Yapa meeting link 2/7/2023 <a href="https://teams.microsoft.com/l/meetup-join/19%3ameeting_NDYzMDYyZTEtNTBiYS00MTYxLWI4NWUzZmE1N2U5YzFhYzNj%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">https://teams.microsoft.com/l/meetup-join/19%</a></p> <p>KY Kanishka Yapa (no subject) 2/7/2023 <a href="https://teams.microsoft.com/l/meetup-join/19%3ameeting_NDYzMDYyZTEtNTBiYS00MTYxLWI4NWUzZmE1N2U5YzFhYzNj%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">https://teams.microsoft.com/l/meetup-join/19%</a></p> <p>KY Kanishka Yapa, Wijayarathne S. N it20171438, Confirmation for supervision to RP 2023 12/23/2022 Dear sir, Could you please find the attachment</p>	<p>Reply Reply all Forward ... Try the New Outlook</p> <p><b>meeting link</b></p> <p><b>BI</b> Brahamawardhan B. it20150952 &lt;it20150952@my.sliit.lk&gt; 2/7/2023 8:40 PM</p> <p>To: Kanishka Yapa</p> <p><a href="https://teams.microsoft.com/l/meetup-join/19%3ameeting_NDYzMDYyZTEtNTBiYS00MTYxLWI4NWUzZmE1N2U5YzFhYzNj%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">https://teams.microsoft.com/l/meetup-join/19%3ameeting_NDYzMDYyZTEtNTBiYS00MTYxLWI4NWUzZmE1N2U5YzFhYzNj%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</a></p>

### 2. Teams calls with Research Team

The screenshot shows the Microsoft Teams 'Calls' tab. On the left, there is a 'Calls' pane with a search bar and a list of contacts: Dilushiya D. (bm20457648), Thushitharan .M (it19983370), Ahmed M.N.H (it20157814), and Yathurshan.K (it20177614). On the right, the 'History' pane shows a list of calls with details like contact name, phone number, duration, and date. The 'Contact groups' pane on the far right shows 'Speed dial' and 'Other Contacts'.

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



## Final year Research project 2023 ...

Final year Research project 2023

Members Pending Requests Channels Settings Analytics Apps Tags

Search for members



Add member

▼ 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...

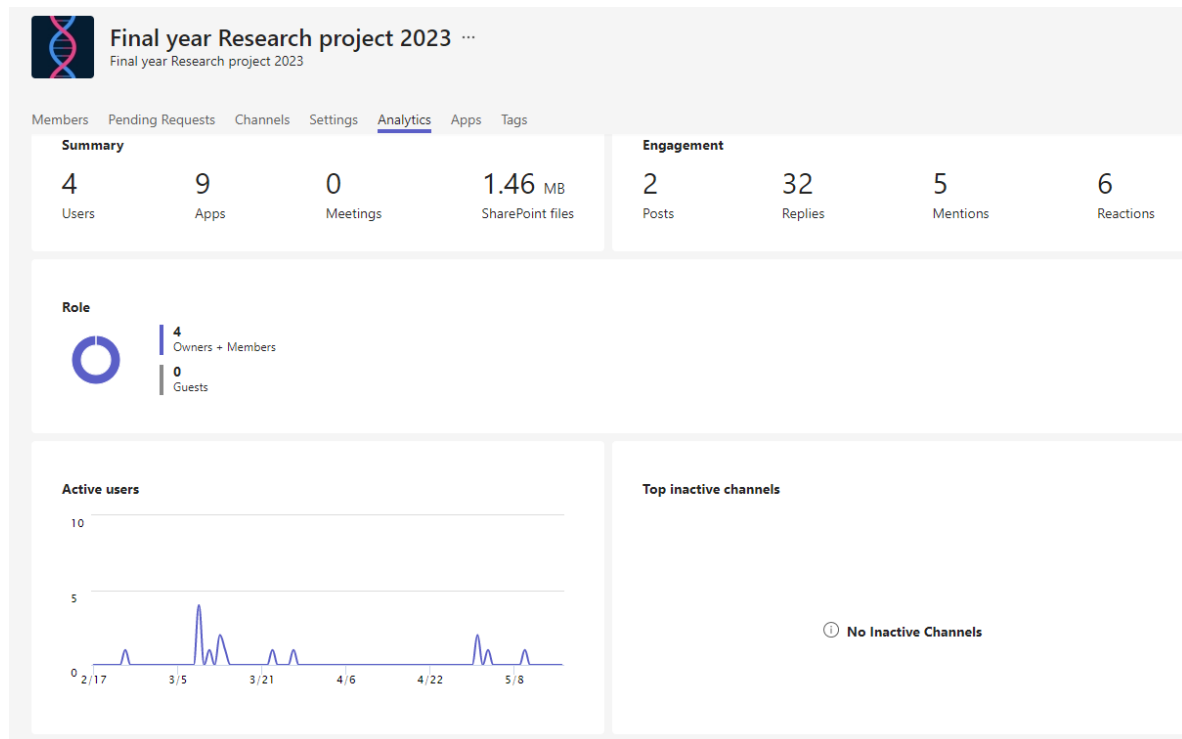
Member ▼



Ahmed M.N.H it20157814

Member ▼

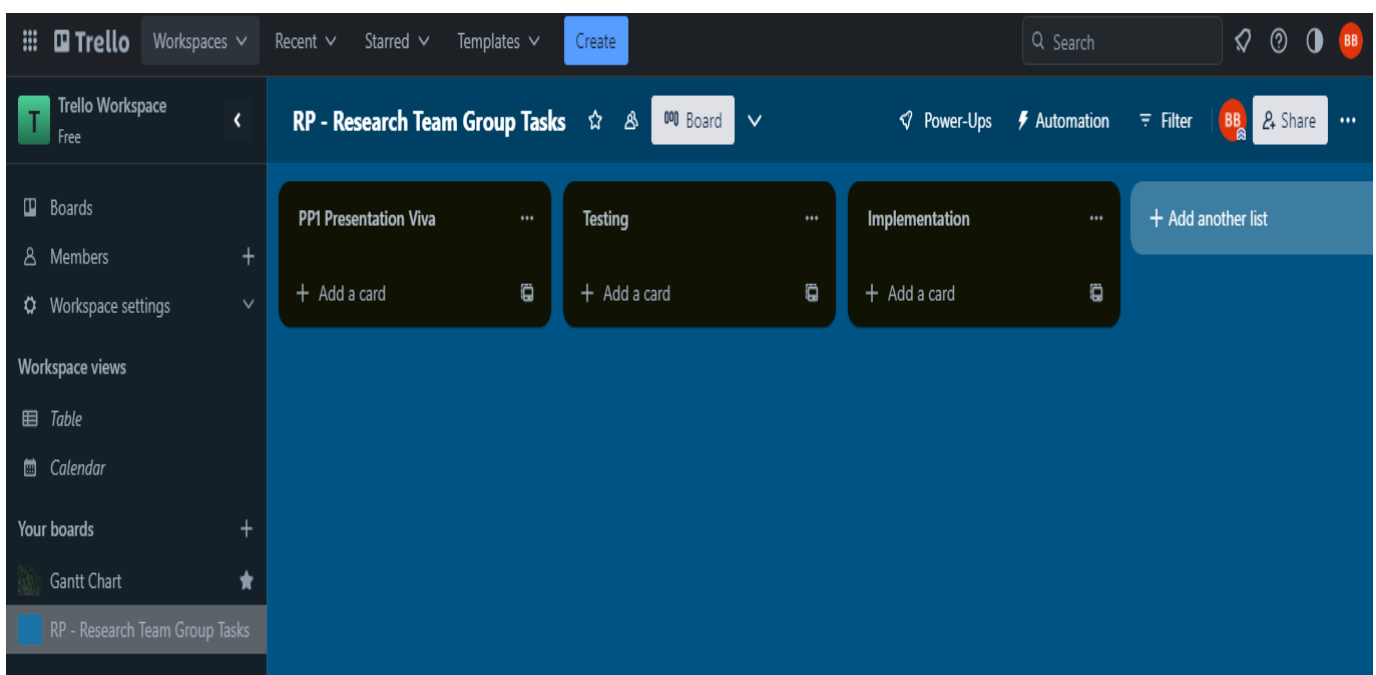
### 3. Microsoft Teams Analytics



### 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 organized into four main columns representing project phases: Initiating, Planning, Executing, and Monitoring and controlling. Each column contains a list of tasks with due dates and assigned team members (AI, TI, and others). The 'Initiating' column lists tasks like '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', and 'Project Charter Conformation Form'. The 'Planning' column includes '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', and 'Build The Criminal Information System'. The 'Executing' column shows 'Prepare PP1 Presentation - 50%', 'Develop the Web3 Development for Criminal Information Management System', 'UnderStand Functional and Nonfunctional Requirement', 'Developing the Smart Contract using Solidity', and 'Setup the Ethereum Blockchain Network'. The 'Monitoring and controlling' column contains 'Report monthly status' and 'Conduct team performan'. A sidebar on the left shows navigation options like 'New plan', 'Hub', 'Assigned to me', and 'Pinned' items.

## 5. Completed Tasks

### Group Tasks

This screenshot shows the 'Planner' application with the project 'TMP-23-270' (Final year Research project 2023). The interface is similar to the previous one but includes an additional 'Closing' column. The 'Initiating' column tasks are the same as in the previous view. The 'Planning' column tasks are also the same. The 'Executing' column now includes 'Developing Criminal Information System Web Interface' at the top, followed by 'Prepare PP1 Presentation - 50%', 'Develop the Web3 Development for Criminal Information Management System', 'UnderStand Functional and Nonfunctional Requirement', 'Developing the Smart Contract using Solidity', and 'Setup the Ethereum Blockchain Network'. The 'Monitoring and controlling' column tasks are 'Report monthly status' and 'Conduct team performance reviews'. The new 'Closing' column contains 'Summarise project results and learnt' and 'Work with the project team to capt, relevant experience and lessons lear the benefit of future projects'. The sidebar on the left remains the same.





## Individual Tasks

The screenshot displays the 'Planner' app interface for a project titled 'TMP-23-270' (Final year Research project 2023). The interface is organized into three main columns representing project phases: Initiating, Planning, and Executing. Each column contains a list of tasks, each with a status indicator (a circle) and a 'Due' date. The tasks are color-coded by phase: yellow for Initiating, light blue for Planning, and light green for Executing. The left sidebar shows navigation options like 'New plan', 'Hub', 'Assigned to me', and a list of pinned plans, with 'TMP-23-270' currently selected. The top navigation bar includes options for 'Grid', 'Board', 'Charts', and 'Schedule'. The bottom of the screen features a prompt to 'Get the Planner app'.

**Planner**

**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)
- Feasible Study on Blockchain Domain (Due)
- Prepare Proposal Report - individual (Due)
- Project Charter Conformation Form (Due)

**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)
- 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)

Get the Planner app

### 5.1. Pending Tasks

## Group Tasks

**Planner**

**Project:** TMP-23-270 (Final year Research project 2023)

**Columns:** Grid, Board, Charts, Schedule

**Initiating Column:**

- + 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 Column:**

- + 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 Column:**

- + 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)

## 5.2. Individual Tasks - Planning

**Planner**

**Project:** TMP-23-270 (Final year Research project 2023)

**Columns:** Grid, Board, Charts, Schedule

**Initiating Column:**

- + 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)

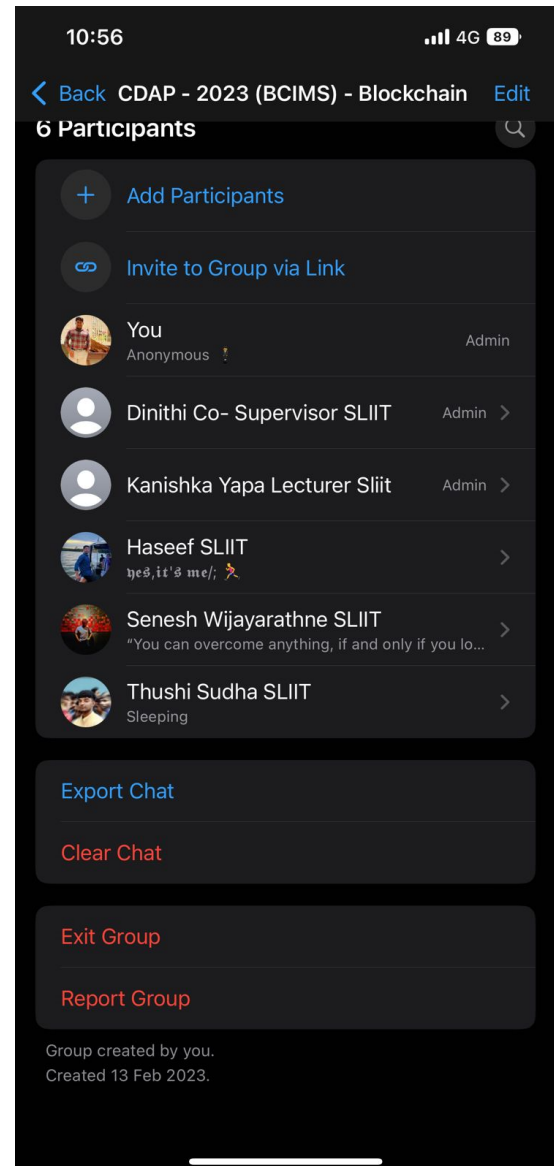
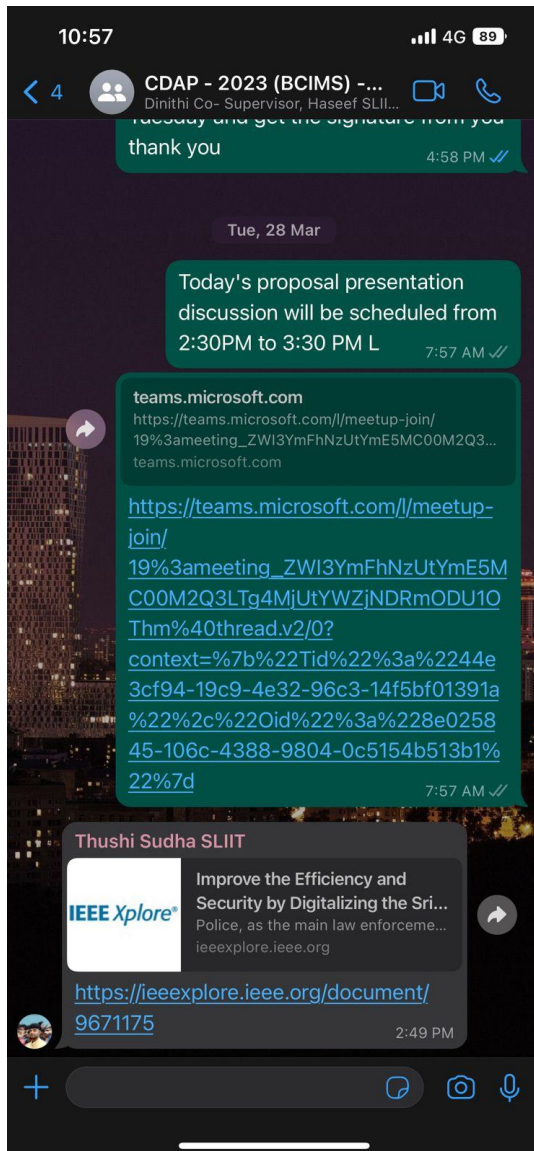
**Planning Column:**

- + 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)

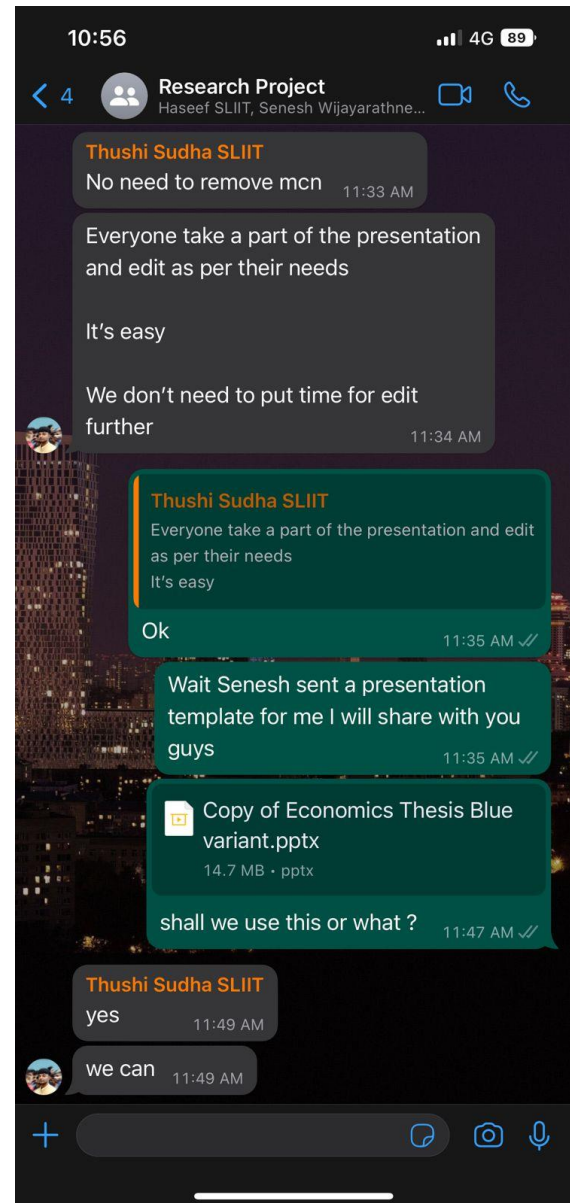
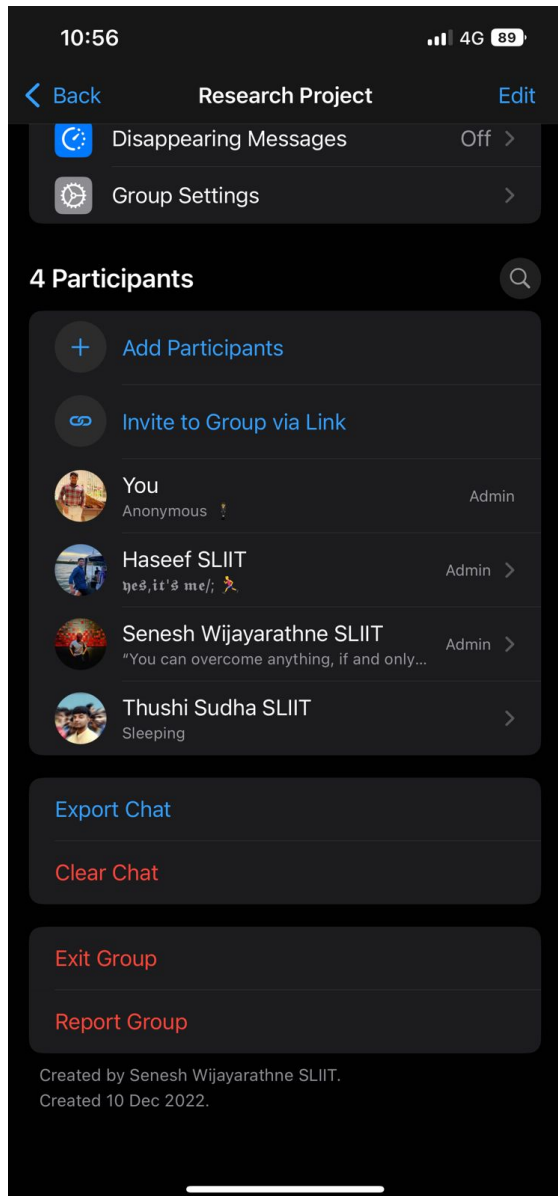
**Executing Column:**

- + 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)

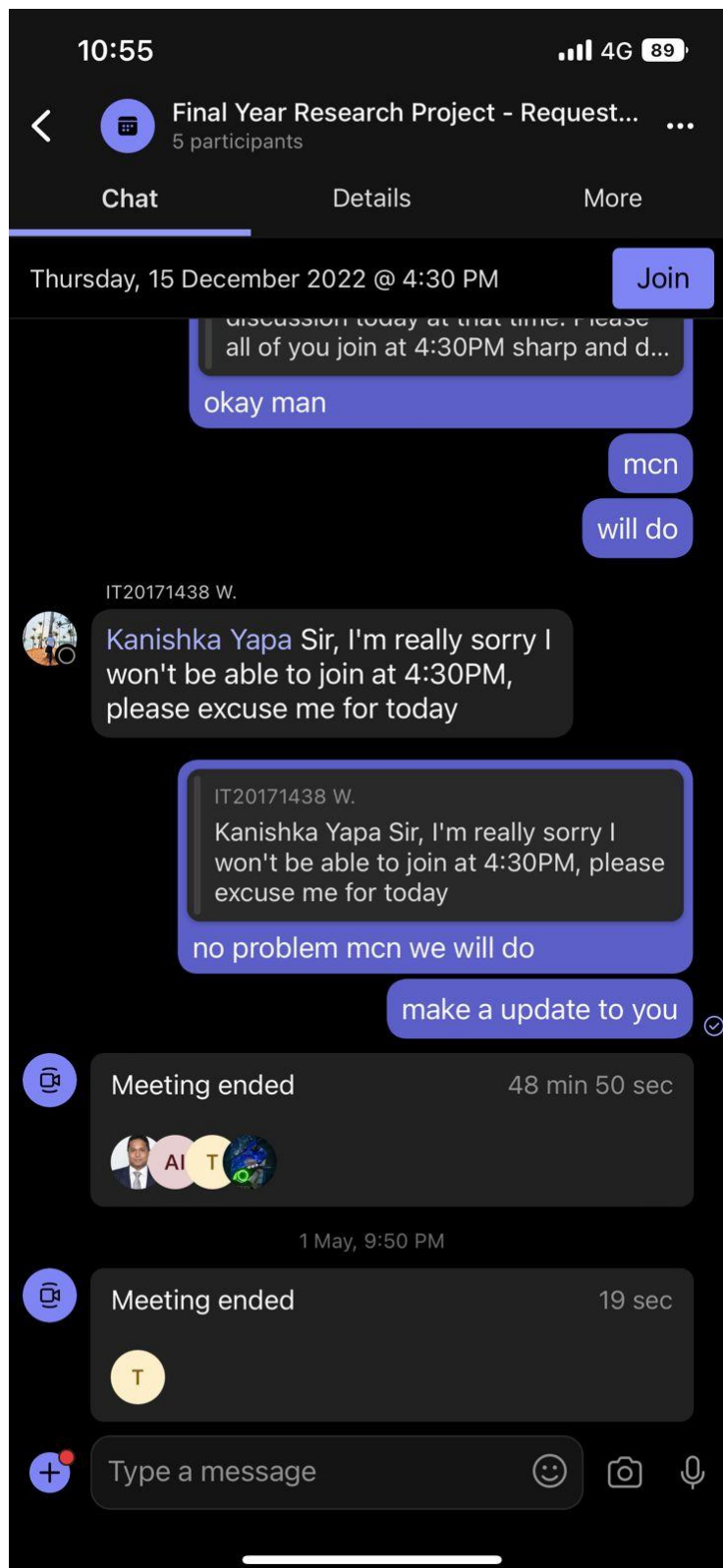
## 6. WhatsApp Group with Supervisor and Co-Supervisor



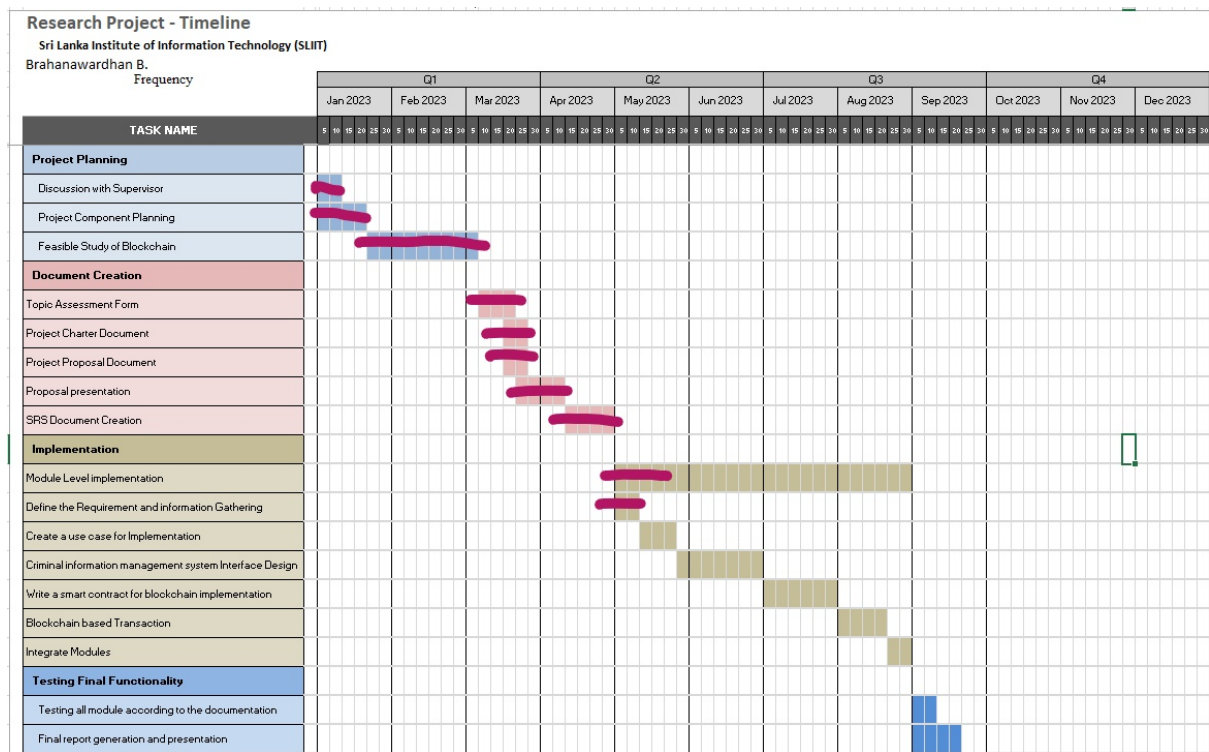
## 6.1. WhatsApp Group with Group Member



## 6.2. Initial discussion With Supervisor



## 7. Gantt Chart



## 8. Work Breakdown Structure

