



The Future of Crime Prevention: Police Case Analysis Using Machine Learning

(Police Accident Case Analysis)

Project ID
2023-224

Log Book
Dharsan.R - IT20003982

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Co-Supervisor: Ms. Sanjeevi Chandrasiri

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Sri Lankan Institute of Information Technology
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October 2023

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1. Summary of Group Meetings

Date	Time	Platform	Dharsan.R	Discussions	Conclusions
2022-11-15	4:30 PM	MS Teams	Present	Diverse ideas were generated and discussed in Brainstorming workshop.	Gained knowledge regarding the research.
2022-11-16	8:00 PM	MS Teams	Present	Component separation, supervisor selection	Chosen topic 1 as the priority idea Started working on component separation
2022-11-22	1:00 PM	MS Teams	Present	Complete the supervisory record. Forward a mail to the supervisor. prompt and informative in regards to Journal task distribution	
2022-11-23	10:30 AM	MS Teams	Present	Notifying beforehand of attendance. Time of meeting.	
2022-11-29	10:00 AM	MS Teams	Present	Determine distinctive research elements Assign sections.	Decided to research about each sections.
2022-12-01	10:30 AM	MS Teams	Present	Research component search progress Supervisor issue	Decided to mail the Supervisor for a meet this week.
2022-12-02	10:30 AM	MS Teams	Present	New division of components. Assignment of components. Classes System Diagram. Time allotted for submitting the title submission form	Decided to send a mail to supervisor requesting a meeting.
2022-12-02	5:00 PM	MS Teams	Present	Mail sent Tasks identified	
2022-12-05	10:30 AM	MS Teams	Present	Tasks identified Supervisor status. Form submissions	Decided to send the supervisor a follow-up email regarding topic selection, co-supervisor, and supervision. Decided to start holding meetings on a regular basis.

2022-12-06	10:30 AM	MS Teams	Present	Supervisor issue Dataset issue Sending a third mail	Decided to finalize supervisor.
2022-12-06	9:00 PM	MS Teams	Present	Data and Topic issue Send mail to Hansika and Sanji miss	Sent mails to supervisors.
2022-12-10	10:30 AM	MS Teams	Present	Updates on mails Data science technologies	
2022-12-11	9:00 PM	MS Teams	Present	Choice of Topic Choosing a co-supervisor Ingredients Interactions with the supervisor (eg:- teams)	Find additional components that are pertinent to this topic idea. Find a more creative concept.
2022-12-12	10:30 AM	MS Teams	Present	New idea formation. Additional resources for the initial concept	Opted to forward new idea documents to the supervisor.
2022-12-12	10:30 AM	MS Teams	Present	Adding new components to the new idea.	Sent a request to Hansi Madam.
2022-12-12	8:00 PM	MS Teams	Present	Setting up a new meeting with the supervisor.	Wait for co-supervisormeeting
2022-12-13	8:00 PM	MS Teams	Present	Novel/new concepts Viability of the concepts Questions to put to supervisor/co-supervisor.	Opted to request a timetable from the co-supervisor/supervisor.
2022-12-14	10:30 AM	MS Teams	Present	What to talk about with supervisor/co-supervisor Any new ideas	Go with the second idea
2022-12-14	8:00 PM	MS Teams	Present	Determine subjects Name of product.	
2022-12-16	10:00 AM	Google form	Present	Group Registration	
2023-01-10	10:30AM	MS Teams	Present	Forming topic Submitting the topic	
2023-01-13	8:00 PM	MS Teams	Present	Review of the literature review aspect.	No meeting on Monday morning.

2023-01-16	8:00 PM	MS Teams	Present	Task allocation New idea finding	
2023-01-20	8:00 PM	MS Teams	Present	New ideas TAF rewrite Supervisor contact	Look for a relevant component for Anubama.
2023-01-20	10:00AM	MS Teams	Present	Topic Evaluation	
2023-01-21	8:00 PM	MS Teams	Present	Progress status	Proceed with the planned course of action
2023-01-27	8:00PM	MS Teams	Present	Progress status	Proceed with the planned course of action.
2023-01-28	10:00AM	MS Teams	Present	Project Charter discussions	Discussed and concluded Project charter.
2023-01-30	10:00AM		Present	Project Charter submission	
2023-02-07	19:00PM	MS Teams	Present	Proposal report draft	Proceed with the planned course of action.
2023-02-12	19:00 PM	MS Teams	Present	Proposal report draft	
2023-02-15	19:00 PM	MS Teams	Present	Proposal report draft	Proceed with the planned course of action.
2023-02-16	19:00 PM	MS Teams	Present	Proposal report draft	Proceed with the planned course of action.
2023-02-17	19:00 PM	MS Teams	Present	Progress status	Proceed with the planned course of action.
2023-02-19	19:00 PM	MS Teams	Present	Progress status	Proceed with the planned course of action.
2023-02-22	19:00 PM	MS Teams	Present	Progress status	Proceed with the planned course of action.
2023-02-23	19:00 PM	MS Teams	Present	Progress status	Proceed with the planned course of action.
2023-02-24	19:00 PM	MS Teams	Present	Progress status	Proceed with the planned course of action.
2023-02-26	19:00 PM	MS Teams	Present	Progress status	Proceed with the planned course of action.
2023-02-26	19:00 PM	MS Teams	Present	Progress status	
2023-02-27	19:00 PM	MS Teams	Present	Progress status	Proceed with the planned course of action.
2023-02-28	19:00 PM	MS Teams	Present	Cancelled due to connection issue	
2023-03-03	9.00PM	MS Teams	Present	Proposal report draft	Go Forward with the scheduled plan
2023-03-12	9:00PM	MS Teams	Present	Proposal report draft	

2023-03-15	9:00PM	MS Teams	Present	Proposal report draft	Go Forward with the scheduled plan
2023-03-16	9:00PM	MS Teams	Present	Proposal report draft	Go Forward with the scheduled plan
2023-03-17	9:00PM	MS Teams	Present	Proposal report draft	Go Forward with the scheduled plan
2023-03-19	19:00	MS Teams	Present	Proposal report draft	Go Forward with the scheduled plan
2023-03-21	19:00	MS Teams	Present	Proposal report draft	
2023-03-22	19:00	MS Teams	Present	Proposal report draft	Go Forward with the scheduled plan
2023-03-23	19:00	MS Teams	Present	Working on Proposal Presentation	Go Forward with the scheduled plan
2023-03-24	19:00	MS Teams	Present	Working on Proposal Presentation	Go Forward with the scheduled plan
2023-03-26	19:00	MS Teams	Present	Working on Proposal Presentation	Go Forward with the scheduled plan
2023-03-29	19:00	MS Teams	Present	Worked on Coding	
2023-03-30	19:00	MS Teams	Present	Worked on Coding	Go Forward with the scheduled plan
2023-03-31	19:00	MS Teams	Present	Worked on Coding	
2023-04-02	19:00	MS Teams	Present	Worked on Coding	
2023-04-05	19:00	MS Teams	Present	Worked on Coding	Go Forward with the scheduled plan
		MS			Go Forward with the

2023-04-06	19:00	Teams	Present	Worked on Coding	scheduled plan
2023-04-07	19:00	MS Teams	Present	Worked on Coding	
2023-04-09	19:00	MS Teams	Present	Worked on Coding	Go Forward with the scheduled plan
2023-04-12	19:00	MS Teams	Present	Worked on Coding	
2023-04-13	19:00	MS Teams	Present	Worked on Coding	Go Forward with the scheduled plan
2023-04-14	19:00	MS Teams	Present	Cancelled due to New year	
2023-04-16	19:00	MS Teams	Present	Worked on Coding	Go Forward with the scheduled plan
2023-04-19	19:00	MS Teams	Present	Worked on Coding	Go Forward with the scheduled plan
2023-04-20	19:00	MS Teams	Present	Final proposal report	Go Forward with the scheduled plan
2023-04-21	19:00	MS Teams	Present	Final proposal report	Go Forward with the scheduled plan
2023-04-23	19:00	MS Teams	Present	Final proposal report	Go Forward with the scheduled plan
2023-04-26	19:00	MS Teams	Present	Progress status, PP1 Marking Rubric discussion	Go Forward with the scheduled plan
2023-04-27	7:00 PM	MS Teams	Present	Progress status, meeting journal	Do the changes discussed
2023-04-28	7:00 PM	MS Teams	Present	Progress status	Do the changes discussed
		MS			Do the changes discussed

2023-05-03	7:00 PM	Teams	Present	Progress status	
2023-05-04	7:00 PM	MS Teams	Present	50% Progress status for PP1, PP1 Marking Rubric discussion, PP1 Slides Preparation	Go Forward with the plan
2023-05-05	7:00 PM	MS Teams	Present	50% Progress status for PP1, PP1 Marking Rubric discussion, PP1 Slides Preparation	Go Forward with the plan
2023-05-07	7:00 PM	MS Teams	Present	50% Progress status for PP1, PP1 Marking Rubric discussion, PP1 Slides Preparation	Go Forward with the plan
2023-05-10	7:00 PM	MS Teams	Present	50% Progress status for PP1, PP1 Marking Rubric discussion, PP1 Slides Preparation	Go Forward with the plan
2023-05-11	7:00 PM	MS Teams	Present	50% Progress status for PP1, PP1 Marking Rubric discussion, PP1 Slides Preparation	Go Forward with the plan
2023-05-12	7:00 PM	MS Teams	Present	50% Progress status for PP1, PP1 Marking Rubric discussion, PP1 Slides Preparation	Go Forward with the plan
2023-05-14	7:00 PM	MS Teams	Present	Progress status	Go Forward with the plan
2023-05-17	7:00 PM	MS Teams	Present	Progress status	Go Forward with the plan
2023-05-18	7:00 PM	MS Teams	Present	Progress status	Go Forward with the plan
2023-05-19	7:00 PM	MS Teams	Present	Progress status	Go Forward with the plan

2023-05-21	7:00 PM	MS Teams	Present	Discussion with the supervisor regarding the pp1 presentation slides	Make changed according to supervisor's comments
2023-05-24	7:00 PM	MS Teams	Present	Progress status	Go Forward with the plan
2023-05-25	7:00 PM	MS Teams	Present	Progress status	Go Forward with the scheduled plan
2023-05-26	7:00 PM	MS Teams	Present	Progress status	Go Forward with the scheduled plan
2023-05-28	7:00 PM	MS Teams	Present	Progress status	Go Forward with the scheduled plan
2023-05-31	7:00 PM	MS Teams	Present	Progress status	Go Forward with the scheduled plan
2023-06-02	5:00 PM	MS Teams	Present	Discussion about researchpaper references.	Starting research paper writing.
2023-06-04	6:00 PM	MS Teams	Present	Discussion about researchpaper references.	Research paper writing.
2023-06-10	6:30 PM	MS Teams	Present	Discussion about research paper and conferences	Research paper writing.
2023-06-15	7:15 PM	MS Teams	Present	Discussion about research paper context. Discussion with supervisor about the Doubts regarding the research paper.	Research paper writing, Do the changes that mentioned by the Supervisor
2023-06-19	5:00 PM	MS Teams	Present	Code implementation discussion, start research paper writing.	Research paper writing and Initiate software development.
2023-06-25	6:00 PM	MS Teams	Present	Code implementation discussion, Discussion about research paper and start research	Research paper writing and Initiate software development.

				paper writing.	
2023-06-29	7:00 PM	MS Teams	Present	Code implementation discussion, Discussion about research paper and conferences, Discussion with co supervisor about the conferences and research paper	Go forward with the scheduled plan, Do the changes that mentioned by the Supervisor, Focus on the grammar and the research paper Standards.
2023-06-30	8:00 PM	MS Teams	Present	Code implementation discussion, Discussion about research paper and start research paper writing.	Research paper writing with the grammar and the research paper Standards checking and Initiate software development.
2023-07-03	7:30 PM	MS Teams	Present	Discussion about the Backend and Frontend development, got feedback about the research paper from Supervisor	Research paper writing and Initiate software development.
2023-07-05	5:00 PM	MS Teams	Present	Discussion about the Backend and Frontend development, research paper writing discussion.	Research paper writing and Initiate software development for backend.
2023-07-07	4:00 PM	MS Teams	Present	Begin Code implementation of backend, research paper writing discussion.	Go forward with the scheduled plan, Research paper writing and scripting for backend.
2023-07-13	8:00 PM	MS Teams	Present	Code implementation of backend, research paper writing discussion.	Research paper writing and Commence coding for backend.
2023-07-16	7:00 PM	MS Teams	Present	Code implementation of backend, research paper writing discussion.	Research paper writing and scripting for backend.
2023-07-19	4:30 PM	MS Teams	Present	Begin Code implementation of frontend, backend implementation, research paper writing discussion.	Research paper writing and Commence coding for frontend, scripting for backend.
2023-07-22	7:15 PM	MS Teams	Present	Code implementation of backend and frontend, research paper writing.	Go forward with the scheduled plan, Research paper writing and scripting for frontend and backend.
2023-07-24	5:00 PM	MS Teams	Present	Code implementation of backend and frontend, research paper writing.	Research paper writing and scripting for frontend and backend.
2023-07-27	6:00 PM	MS Teams	Present	Code implementation of backend and frontend, research paper writing.	Research paper writing and scripting for frontend and backend.

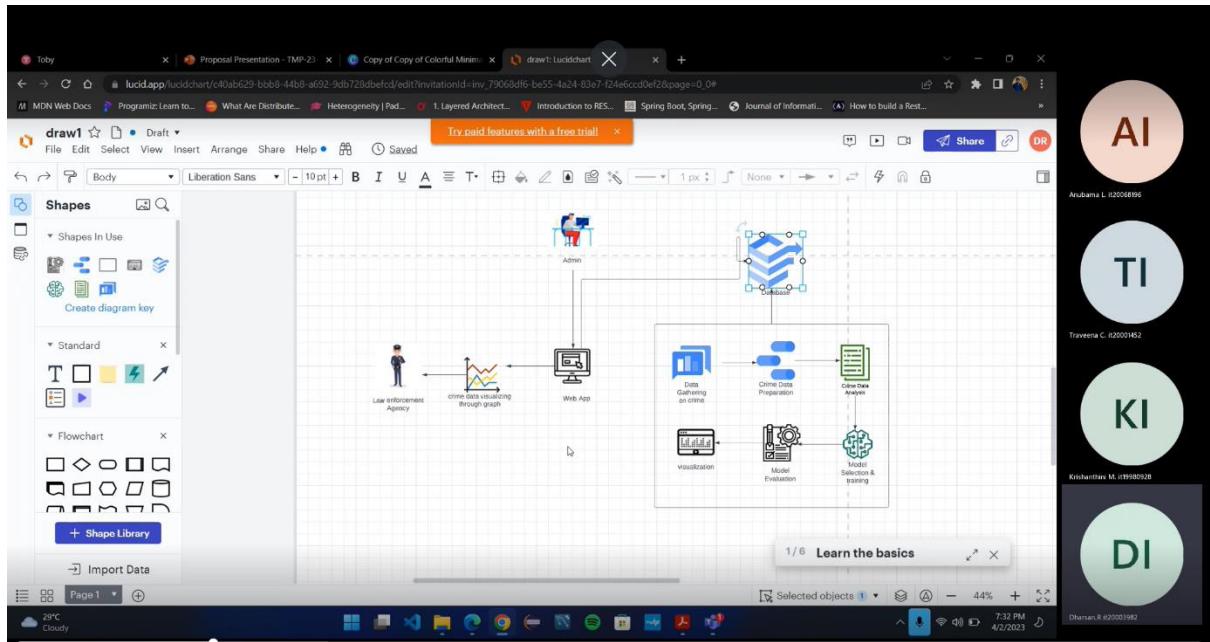
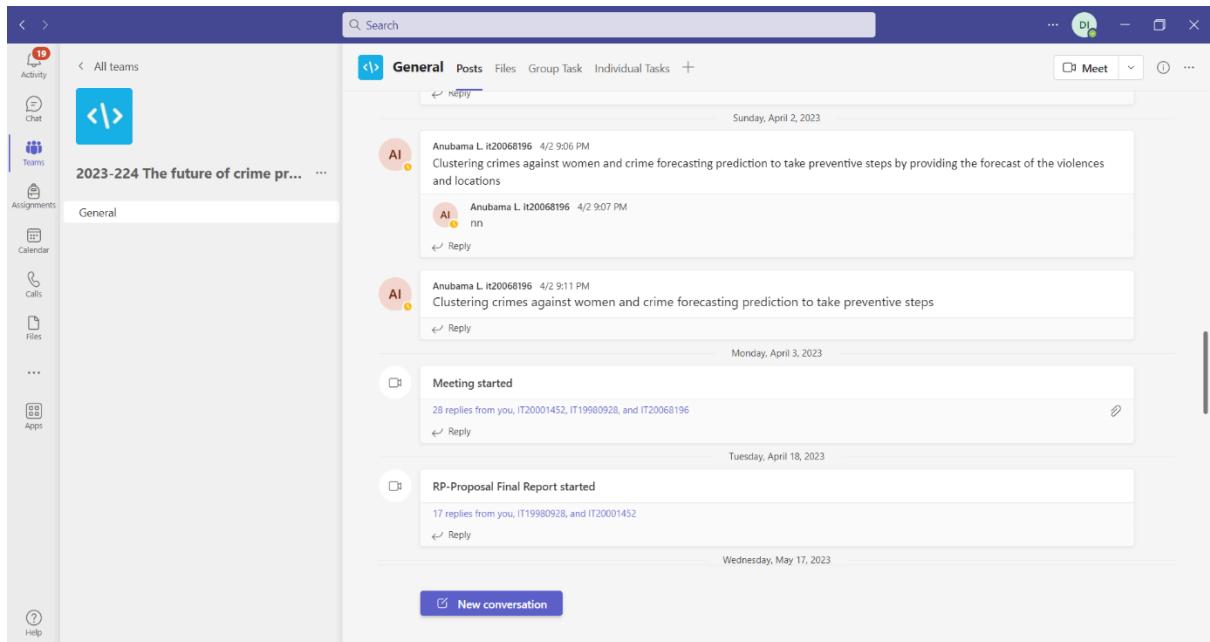
2023-07-30	7:00 PM	MS Teams	Present	Code implementation of backend and frontend, research paper writing.	Research paper writing and scripting for frontend and backend.
2023-08-01	5:00 PM	MS Teams	Present	Code implementation of backend and frontend, research paper writing.	Research paper writing and scripting for frontend and backend.
2023-08-04	6:00 PM	MS Teams	Present	Code implementation of backend and frontend, research paper writing. discussion with the supervisor to clear doubts.	Research paper writing and scripting for frontend and backend. Do the changes that mentioned by the Supervisor
2023-08-07	7:00 PM	MS Teams	Present	Individual component testing and research paper writing	Research paper writing and code testing.
2023-08-10	7:00 PM	MS Teams	Present	Confirm Individual component testing result changes and research paper writing	Research paper writing and code testing.
2023-08-12	12:00 PM	MS Teams	Present	System integration and research paper writing	Research paper writing and code testing.
2023-08-16	01:00 PM	MS Teams	Present	Start system integration testing and research paper draft finalizing.	Research paper writing and code testing.
2023-08-19	7:00 PM	MS Teams	Present	System integration testing changes update checking and research paper draft finalizing.	Research paper writing and code testing.
2023-08-22	4:00 PM	MS Teams	Present	System integration testing and changes update checking and research paper draft finalizing.	Research paper writing and code testing.
2023-08-24	8:00 PM	MS Teams	Present	system testing and research paper draft finalizing.	Finalizing Research paper writing and code testing.
2023-08-25	7:00 PM	MS Teams	Present	Finalizing system coding for the PP1 presentation.	Finalizing Research paper writing and code testing.
2023-08-29	8:00 PM	MS Teams	Present	Progress presentation 1 final checking	Progress presentation 1 finalization
2023-09-01	6:30 PM	MS Teams	Present	PP2 Discussions – Code Discussions. Regarding PP2 Slides Discussions regarding Status Document 2	Started to write status document 2
2023-09-02	10:30 AM	MS Teams	Present	Creating Slides for Each Member's Component,	Common slides are done

				and discussions regarding status document 2 progress	
2023-09-03	6:30 PM	MS Teams	Present	Checks PP2 Slides and Running the Web Application (Checking)	Application runs successfully. PP2 Slide need Improvements
2023-09-04	6:30 PM	MS Teams	Present	Discussing to finalize the PP2 Slides and Integrated code	Finalize the PP2 Slides and Integrated code
2023-09-05	6:30 PM	MS Teams	Present	Checking the PP2 code and slide. Preparation	Go forward with the plan
2023-09-06	6:30 PM	MS Teams	Present	Discussing regarding status document 2 submission, Discussions regarding Final Report(draft)	Status document 2 submitted
2023-09-07	6:30 PM	MS Teams	Present	Continuing the draft final report. And progress of the report	Modify the final report
2023-09-08	10:30 AM	MS Teams	Present	Individual Report Discussions (status update)	Go forward with the plan
2023-09-09	10:30 AM	MS Teams	Present	Individual Report, Group Report Discussions (status update)	Finalize the Report
2023-09-10	10:30 AM	MS Teams	Present	Report submission with group meeting	Submitted the final report in CDAP
2023-09-15	6:30 PM	MS Teams	Present	Discussions regarding remaining submissions in Research Project	Go forward with the plan
2023-09-17	6:30 PM	MS Teams	Present	Discussions regarding our project application and its functions	Go forward with the plan

2023-09-18	6:30 PM	MS Teams	Present	Discussing to publish the research paper in some other conferences/journals	Go forward with the plan
2023-09-19	6:30 PM	MS Teams	Present	Discussing to publish the research paper in some other conferences.	We have previously submitted our work in ICAC, and after careful consideration, we have concluded that there is no need to publish it on other platforms.
2023-09-22	6:30 PM	MS Teams	Present	Testing the application	Go forward with the plan
2023-09-23	6:30 PM	MS Teams	Present	Testing the application	Go forward with the plan
2023-09-25	6:30 PM	MS Teams	Present	Discussions about the dataset proof. (Meeting with Kurunegala DIG)	Go forward with the plan
2023-09-27	8:30 PM	MS Teams	Present	Addressing code errors with the team	Fixed the error
2023-09-29	7:30 PM	MS Teams	Present	Initiated work on the remaining 10% of the code and held discussions.	provided guidance to the team.
2023-10-01	6:30 PM	MS Teams	Present	Status Update	Go forward with the plan
2023-10-03	6:30 PM	MS Teams	Present	Discussions regarding logbook	Go forward with the plan
2023-10-05	6:30 PM	MS Teams	Present	Discussing dataset proof and remaining code.	Go forward with the plan
2023-10-07	6:30 PM	MS Teams	Present	Reviewing remaining issues in the app.	Go forward with the plan
2023-10-10	6:30 PM	MS Teams	Present	Reviewing remaining issues in the app.	Fixed the issues
2023-10-12	6:30 PM	MS Teams	Present	Meeting to address alterations made to the track name in the ICAC research paper submission.	Go forward with the plan
2023-10-14	6:30 PM	MS Teams	Present	Conversations concerning the acceptance email for the ICAC Research Paper.	Discussed Next Steps

2023-10-16	6:30 PM	MS Teams	Present	Conversations about the reviews of the ICAC research paper.	Acknowledged the reviews and modifications.
2023-10-18	6:30 PM	MS Teams	Present	Discussions regarding Final Viva and Code (Status Update)	Go forward with the plan
2023-10-19	6:30 PM	MS Teams	Present	Conversations about the PDF Express and Camera-Ready Submission	Understanding the next steps
2023-10-21	6:30 PM	MS Teams	Present	Do modifications in the Research Paper	Go forward with the plan
2023-10-23	6:30 PM	MS Teams	Present	Final Viva Code Integration testing	Code works well
2023-10-24	6:30 PM	MS Teams	Present	Final Viva Presentation Slides Preparation	Go forward with the plan
2023-10-25	6:30 PM	MS Teams	Present	Status update on slide and code	Go forward with the plan
2023-10-26	10:30 AM	MS Teams	Present	Discussions regarding research paper registration	Go forward with the plan
2023-10-27	10:30 AM	MS Teams	Present	Final Code Checking	Application works well
2023-10-28	10:30 AM	MS Teams	Present	Individual Component Discussions on Presentation Slides	Preparation for presentation
2023-10-29	6:30 PM	MS Teams	Present	Finalizing each member's logbooks	Logbooks are ready
2023-10-30	6:30 PM	MS Teams	Present	Final Viva Preparation and Q&A Readiness	Preparation Completed

2. MS Teams discussions with group members



RP - Ethical report form Chat Files Attendance Meeting Notes 4 more + Join 8:3

Friday, April 28, 2023 8:40:10 PM

Summary

4 Attended 8:40 PM - 9:16 PM 36m 45s Meeting duration 33m 8s Average attendance time

Participants

Name	First join	Last leave	In-meeting duration	Role
Dharsan.R.it20003982	8:40 PM	9:16 PM	36m 5s	Organizer
Krishanthini M. it19980928	8:40 PM	9:16 PM	34m 3s	Presenter
Anubama Logarithinam	8:44 PM	9:16 PM	32m 38s	Presenter
Traveena C. it20001452	8:47 PM	9:16 PM	29m 46s	Presenter

CrimeShield

Home Accidents Crimes Crime Classifier Women - Crime

Recording has started Let people in the meeting know they're being recorded. Privacy policy

Meeting chat

11:51 AM Meeting started

12:53 PM https://www.figma.com/file/U11VBF6znDmsb2XkID8s/Untitled?type=design&node-id=0-1&t=KjzC3H9o7x8f5B-0

1:19 PM Recording has

31°C Light rain

Participants: Krishanthini M. it19980928, Traveena C. it20001452, Anubama L. it20068196

```

File Edit Selection View Go Run Terminal Help < > project_name
EXPLORER ... .py view_records.html prediction.py views.py urls.py styles.css home.py settings.py homepage.html predict.html
PROJECT_NAME
prediction
__pycache__
migrations
static
templates
homepage.html
prediction.html
view_records.html
__init__.py
admin.py
apps.py
forms.py
models.jobslib
models.py
predictions.py
tests.py
urls.py
views.py
project_name
__pycache__
__init__.py
asgi.py
settings.py
urls.py
wsgi.py
__init__.py
manage.py
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL
Exception ignored in: <function Variable._del_ at 0x000002E237B940>
Traceback (most recent call last):
  File "C:\Users\Aduhar\Apptools\Local\Programs\Python\Python311\lib\http\client\__init__.py", line 410, in __del__
    if self._original_conn:
        ^^^^^^^^^^^^^^
RuntimeError: main thread is not in main loop
TCL_AsyncDelete: async handler deleted by the wrong thread
python manage.py runserver
>>> E:\ML4IT\ML4IT - IT4010\Accident_code\Sample\project_name>
watching for FILE changes with StatFileloader
Performing system checks...
System check identified no issues (0 silenced).
May 17, 2023 - 23:32:27
Django version 4.2.1, using settings 'project_name.settings'
Starting development server at http://127.0.0.1:8000/
Quit the server with CTRL-BREAK.
[17/May/2023 23:32:27] "GET /predict/ HTTP/1.1" 200 2695

```

Predict accident & fatal percentage for future years

```

In [15]: import pandas as pd
from statsmodels.tsa.arima.model import ARIMA
import warnings
import joblib
import numpy as np

# Disable the warnings
warnings.filterwarnings("ignore")

# Load the dataset
data = pd.read_csv('fatalAccident.csv')

```

```

In [16]: # Select relevant columns
data = data[['DIVISION_NAME', 'YEAR', 'VE_TOTAL', 'TOTALS']]

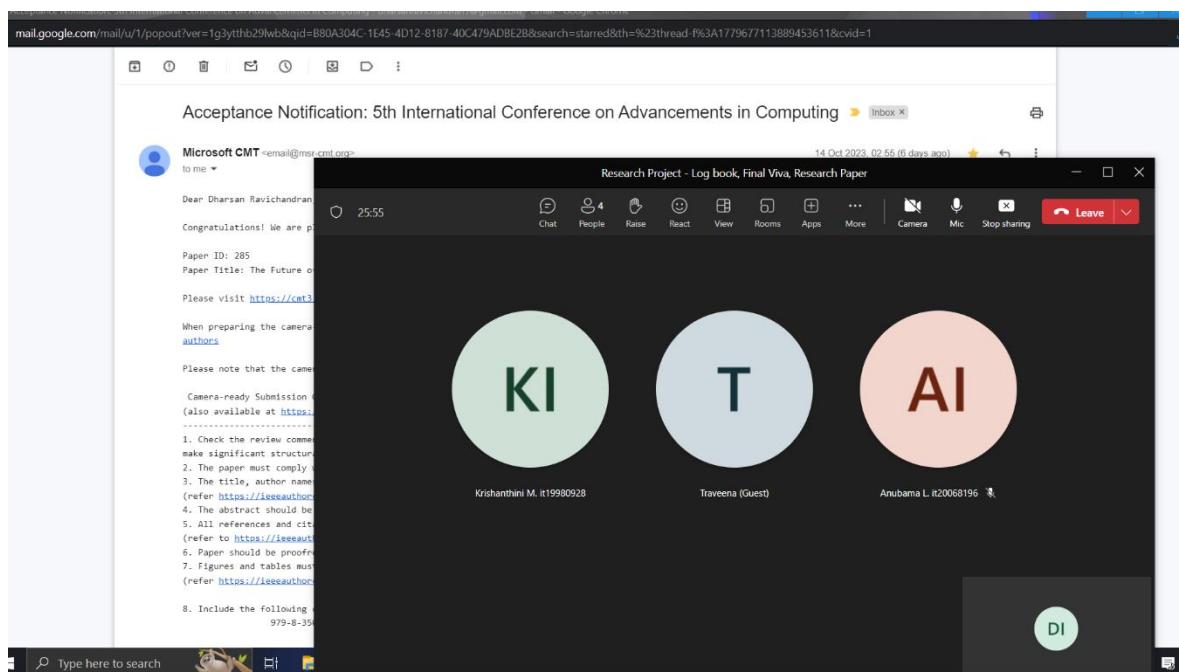
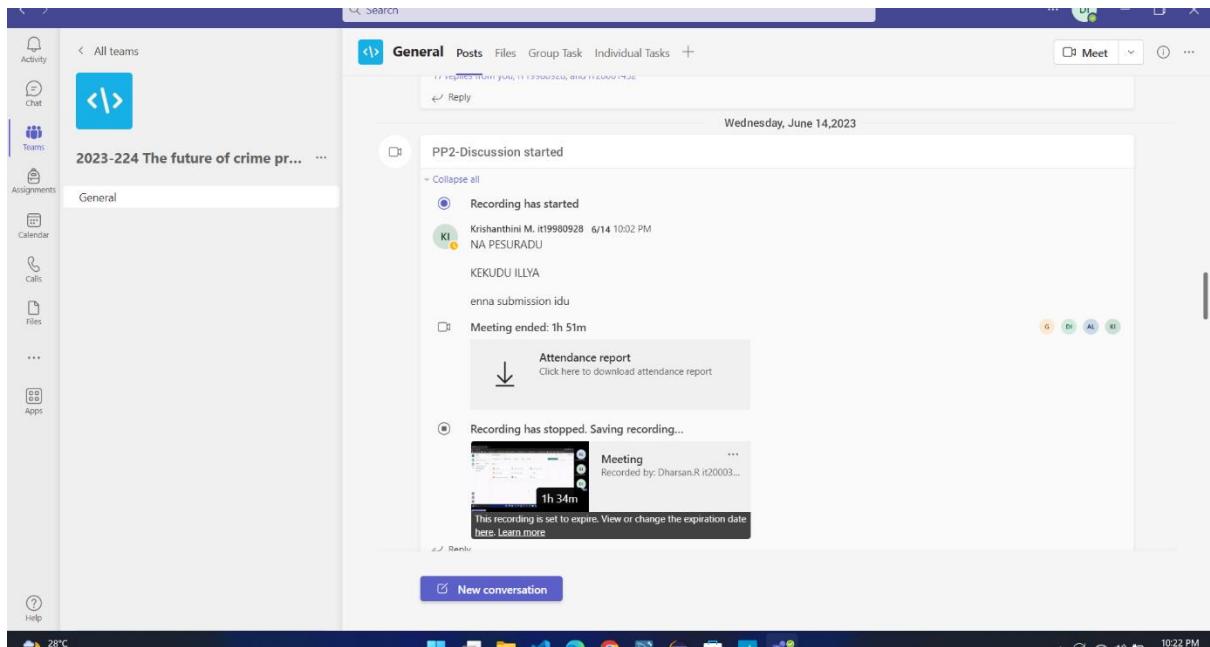
# Convert YEAR column to datetime
data['YEAR'] = pd.to_datetime(data['YEAR'], format='%Y')

```

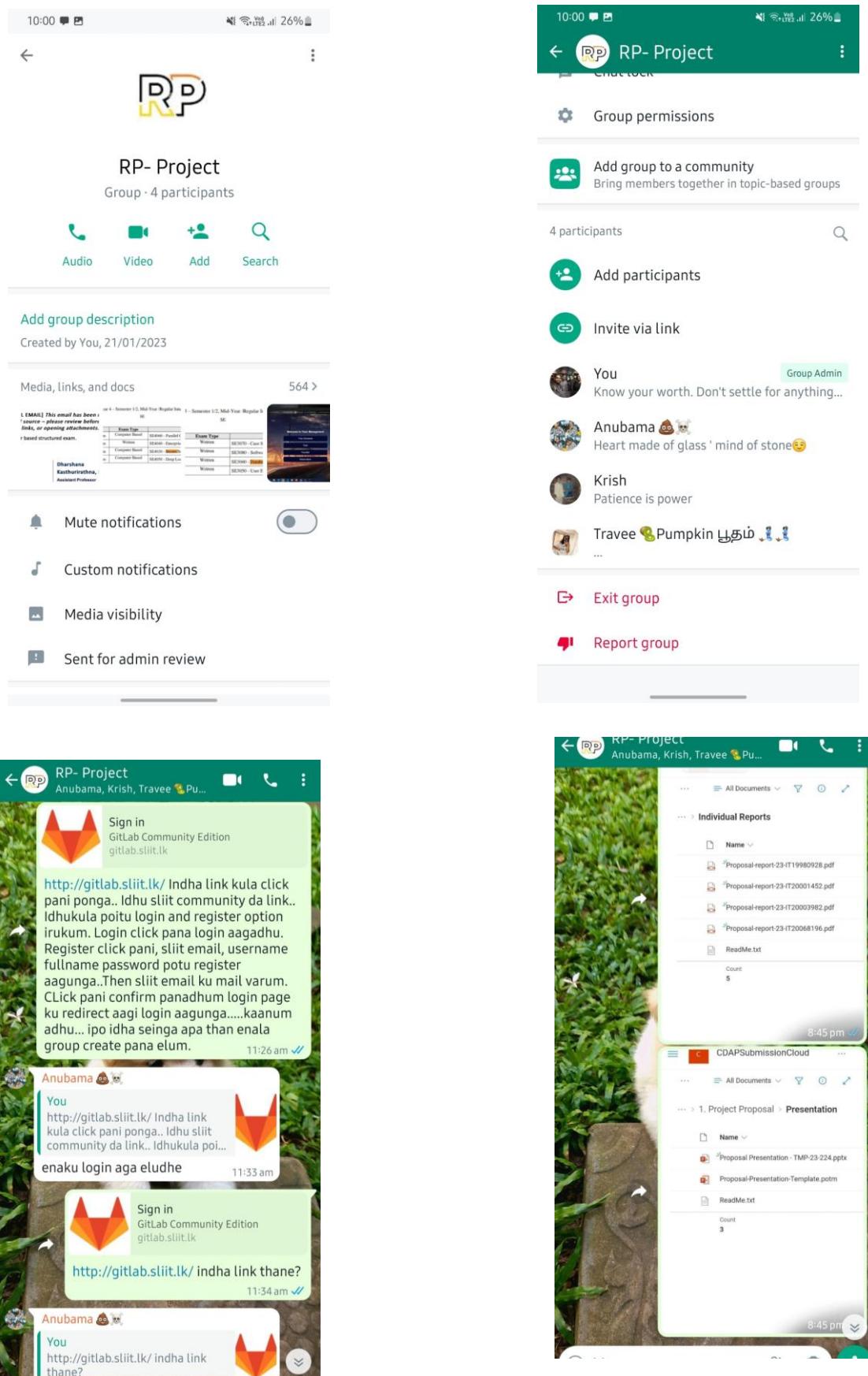
```

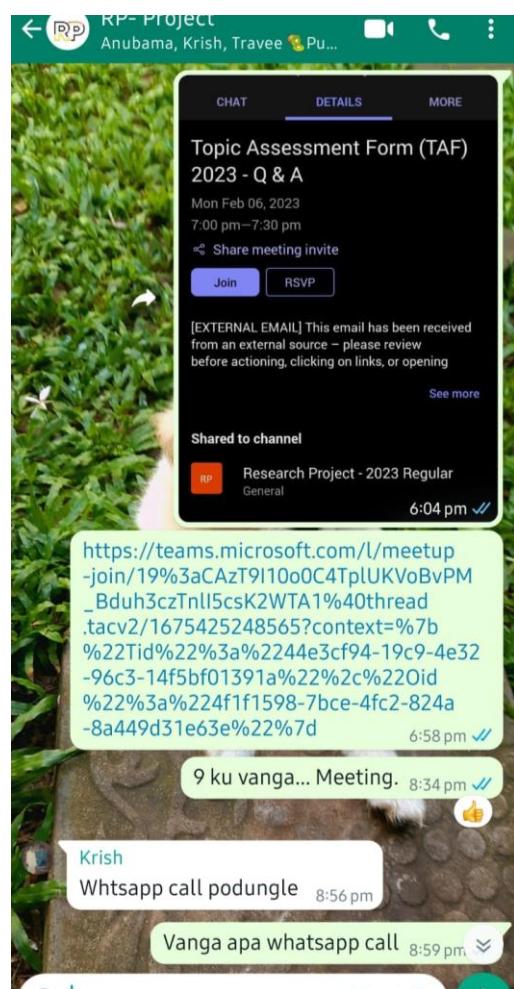
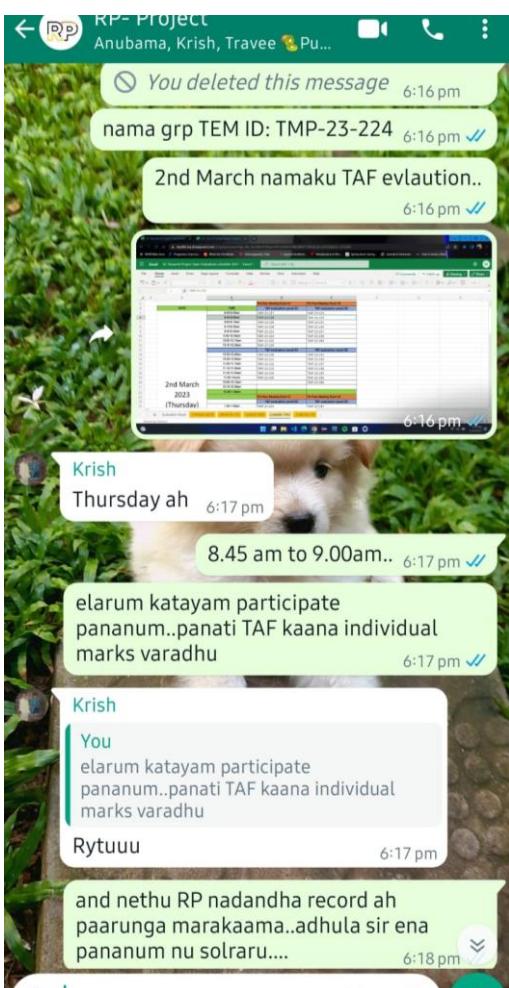
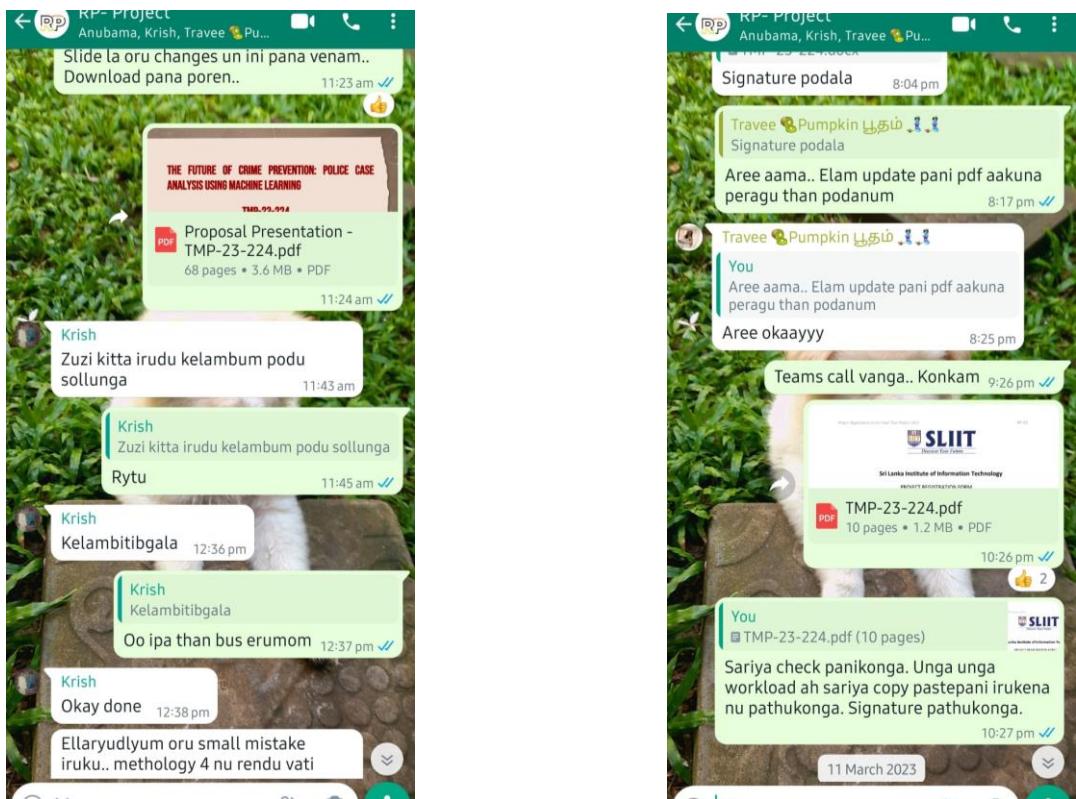
In [17]: # Group by DIVISIONNAME and YEAR, calculate total accidents and fatalities

```



3. WhatsApp discussions with group members





RP- Project
Anubama, Krish, Travee, You

FRIDAY

PDF RP assessment schedule - 2023-regular.pdf
1 page • PDF • 97 kB
8:43 pm ✓

TXT Table of Content.txt
TXT • 375 B
9:09 pm ✓

Start November 27 2022 9:09 pm ✓

DOCX 2022-044-IT19107110_Logbook.docx
DOCX • 3 MB
9:10 pm ✓

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Type a message

RP- Project
Anubama, Krish, Travee, You

FRIDAY

30th October Research Project logbook submission

31st October RP viva /Presentation

1st November : Research Paper Registration deadline(need to modify and submit)

6th November : Research Project Form Submission deadline

6th November : PROJECT Website.

You Nalaku evening call iruku.
7:30 PM Research Paper, logbook, Code Related.

teams.microsoft.com
https://teams.microsoft.com/l/meetup-join/19%3ameeting_MTjhNzk5MzA1NTRhMC00ZjU4LWlyM2YtZmJNTA1ODQ4Mz1%40thread.v2/0?context=%7cb%22Tid%22%3a%224e3cf94-19c9-4e32-96c3-14f5bf01391a%22%2c%220ld%22%3a%22bc4954dd-f4e0-493f-a210-75906c308207%22%7d

7:45 pm ✓

8PM 7:45 pm ✓

Type a message

RP- Project
Anubama, Krish, Travee, You

WEDNESDAY THURSDAY

Send paniten sir ku 11:16 pm ✓

Forwarded

PP2 RESULTS.pdf
52 pages • PDF • 977 kB
3:56 pm ✓

Krish 🎉🎉🎉

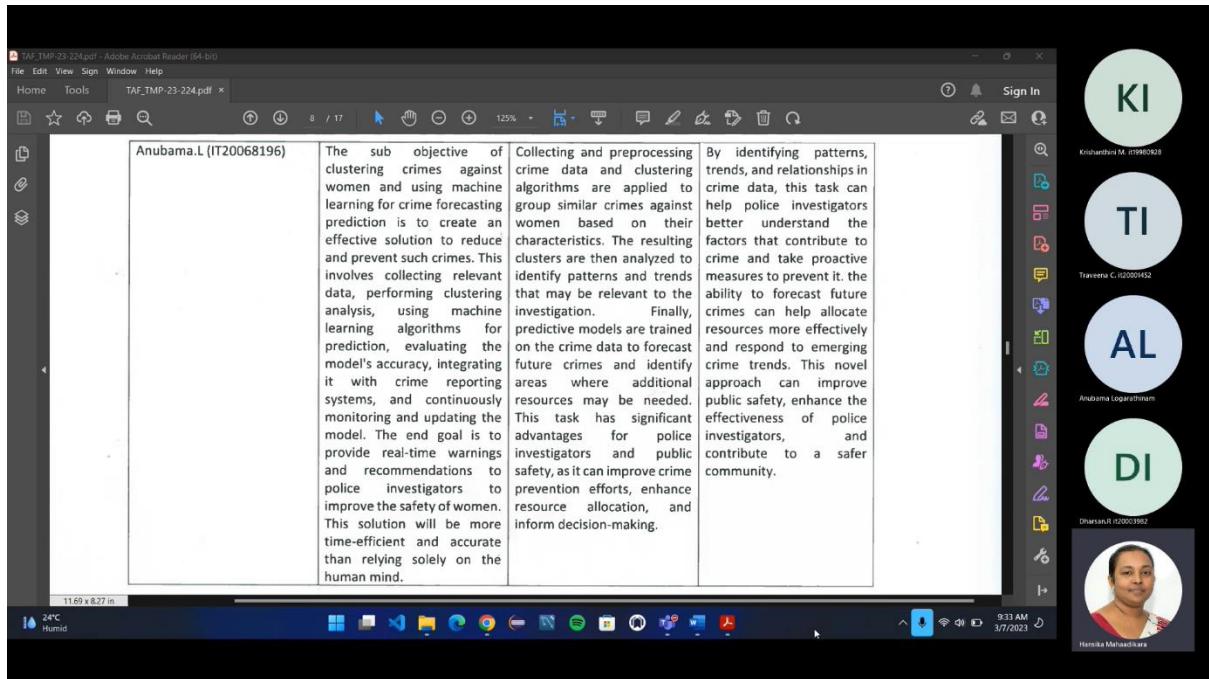
Travee 🎃 Pumpkin ප්‍රතිඵල ප්‍රතිඵල

You PP2 RESULTS.pdf • 52 pages

Excellent ah thne Excellent nu potu irikudhugal

Type a message

4. MS Teams discussions with supervisors



RP - Charter - Discussion with supervisor

Meeting ended: 15s

Attendance

3/7 8:38 AM Meeting ended: 15s

3/7 8:41 AM Meeting started

Krishanthini M. it19980928 was invited to the meeting.

Anubama Logarithnam was invited to the meeting.

3/7 9:01 AM Recording has started

3/7 9:04 AM Recording has stopped. Saving recording...

Recording
Dharsan.R it20003982
3m 25s

This recording is set to expire. View or change the expiration date here. Learn more

Hansika Mahaadikara was invited to the meeting.

3/7 9:13 AM Recording has started

3/7 9:42 AM Recording has stopped. Saving recording...

Anubama Logarithnam left the chat.

Type a new message

RP - Police 2023 Chat Files +

Recording
Dharsan.R it20003982

This recording is set to expire. View or change the expiration date [here](#). [Learn more](#)

Friday, December 23, 2022

Hansika Mahaadikara 12/23/2022 11:03 AM What's the project title?

12/23/2022 11:04 AM A Detective Analysis System for Police Stations with Minor Facilities

Dharsan.R it20003982 12/23/2022 11:04 AM A Detective Analysis System for Police Stations with Minor Facilities

If we need to do any amendments, please let us know madam.

Dharsan.R it20003982 added Traveena C. it20001452 to the chat.

Dharsan.R it20003982 changed the group name to RP - Police 2023.

2/6 8:24 AM Call ended 1m 3s

Type a new message

Chat

Pinned: Dharsan.R it20003982 (You)

Recent: PP1 - Discussion, You: yes madam!, IT4070- PPW- Lecture - Monday 6.00 P..., Aptitude Test_SE Full Stack Java_Dharsan.R it20003982 (You: I have completed the test.), RP - Ethical report form, Recording is ready, ML Assignment, Recording is ready, Cloud computing Rescheduled lecture ..., Yathurshan.P it20246532, Jayantha Amararachchi, ML Project, Jagath Wickramaratne, Sent an image, Traveena C. it20001452, Krishanthini M. it19980928 (User added)

PP1 - Discussion Chat Files Attendance Meeting Notes 4 more +

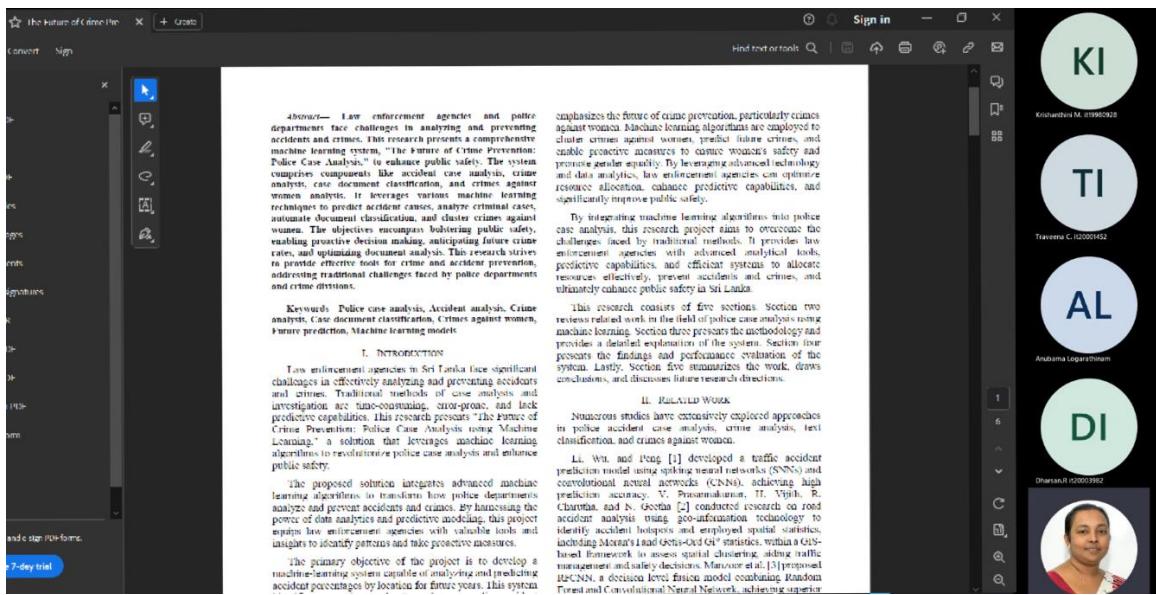
Saturday, May 20, 2023 10:02:42 AM Download

Summary

4 Attended	10:02 AM - 10:35 AM Start and end time	32m 33s Meeting duration	16m 44s Average attendance time

Participants

Name	First join	Last leave	In-meeting duration	Role
Dharsan.R it20003982 it20003982@my.slit.lk	10:11 AM	10:35 AM	23m 29s	Organizer
AL Anubama Logarithnam anubama.logarithnam@telasoft.com	10:17 AM	10:35 AM	17m 26s	Presenter
KI Krishanthini M. it19980928 it19980928@my.slit.lk	10:19 AM	10:35 AM	15m 37s	Presenter
Hansika Mahaadikara hansika.m@slit.lk	10:24 AM	10:35 AM	10m 24s	Presenter



Research Paper- Discussion with supervisor

Chat Files Attendance Meeting Notes 4 more + Join 4 people

6/2 8:38 AM Meeting ended: 15s

Attendance

6/2 8:40 AM Meeting started

Krishanthini M. it19980928 was invited to the meeting.

Anubama Logarithnam was invited to the meeting.

6/2 9:01 AM Recording has started

6/2 9:04 AM Recording has stopped. Saving recording...

Recording
Dharsan.R it20003982
3m 25s

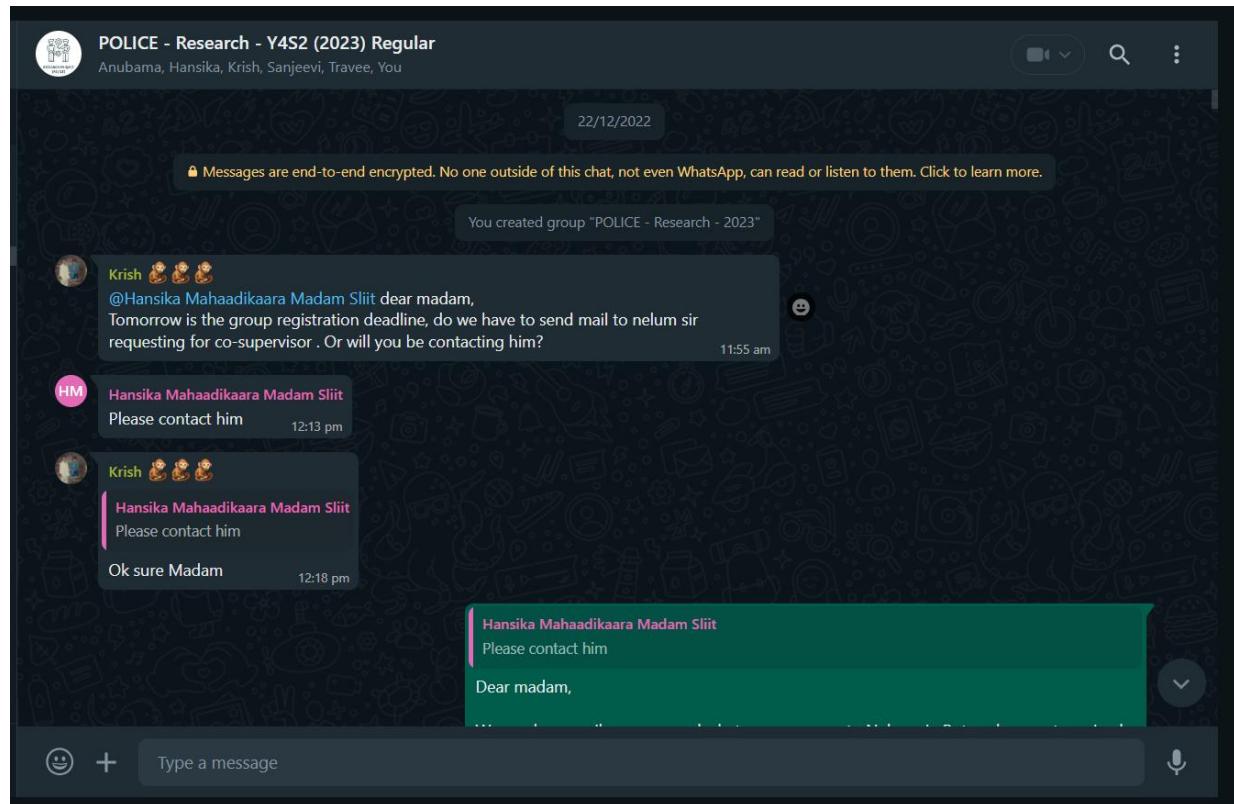
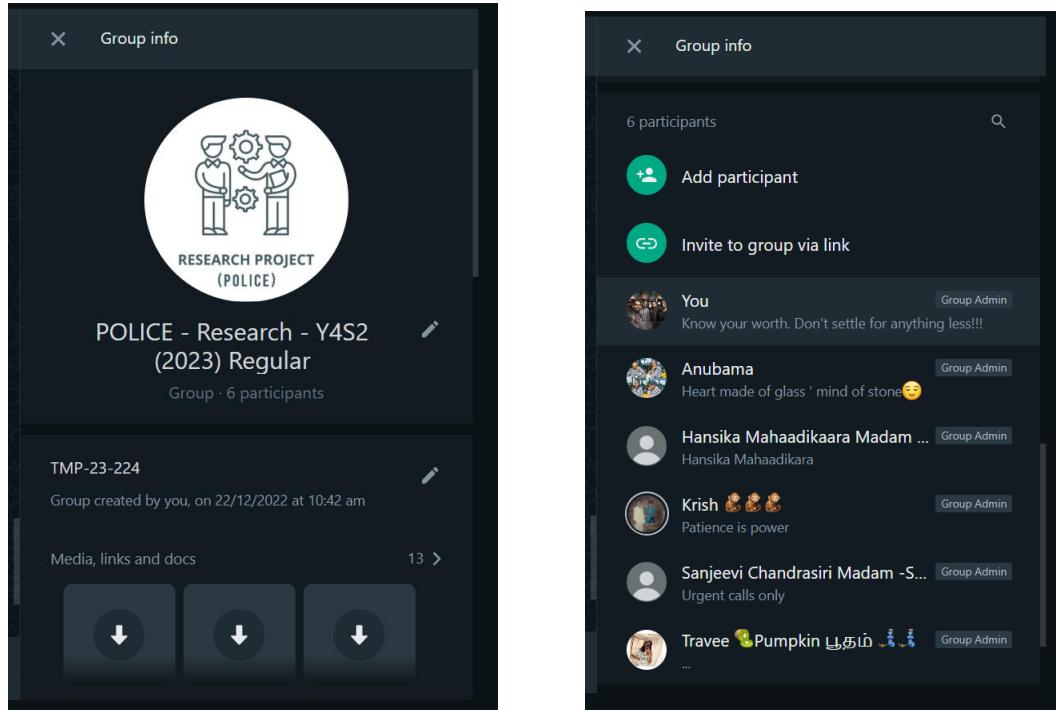
This recording is set to expire. View or change the expiration date [here](#). [Learn more](#)

Hansika Mahaadikara was invited to the meeting.

Dharsan.R it20003982 Organizer
Hansika Mahaadikara
Krishanthini M. it19980928...
Traveena C. it20001452
Add people

- On the 17th of April 2023, we held an in-person meeting specifically to address our Proposal Report, with the main agenda being discussions with our supervisor regarding this report.
- On May 20th 2023, we met with our supervisor and co-supervisors to discuss the first progress presentation PP1. During this meeting, we had meaningful discussions about the progress of our research project.
- On the 11th of August 2023, our team conducted a fruitful in-person meeting with our supervisor and co-supervisor on campus. During this meeting, we engaged in extensive discussions covering various facets of our research project, with a particular focus on the progress of our research paper and its potential submission to a conference.
- On October 23, 2023, our group had a productive face-to-face meeting with both our supervisor and co-supervisor on campus. The focus of this meeting was the publication of our research paper. We had recently received the acceptance email from ICAC, and our discussions during the meeting revolved around planning the next steps.

5. WhatsApp discussions with supervisors



POLICE - Research - Y4S2 (2023) Regular

Anubama, Hansika, Krish, Sanjeevi, Travee, You

Dear @Hansika Mahaadikaara Madam Sliit madam, is there any free time for you in order to clarify some doubts.

12:29 pm ✓

Hansika Mahaadikaara Madam Sliit
Get a normal call now 12:30 pm

Hansika Mahaadikaara Madam Sliit
Get a normal call now
Okay madam 12:31 pm ✓

03/02/2023

Hansika Mahaadikaara Madam Sliit
Forwarded

IT4010-TAF.docx
5 pages • DOCX • 64 kB

9:56 am

U need to get the supervisors signature physically 9:58 am

Hansika Mahaadikaara Madam Sliit
U need to get the supervisors signature physically
Okay madam. 10:05 am ✓

Type a message

POLICE - Research - Y4S2 (2023) Regular

Anubama, Hansika, Krish, Sanjeevi, Travee, You

06/02/2023

You
https://teams.microsoft.com/l/meetup-join/19%3ameeting_MDgwOTE3ZjktMGmxNC00NTijLWlwOtcOWI0Njg5Y2M4MzFh%40thread.v2/0?context=%7b%22Id%22%3a%2244e3cf94-19c9-4e32-96c3-...

Dear madam, please join with the same link! 8:22 am ✓

You
Dear madam, please join with the same link!!
@Hansika Mahaadikaara Madam Sliit madam 8:28 am ✓

Dear @Sanjeevi Chandrasiri Madam -SL - co Supervisor madam, we need to get your signature on the TAF form. Therefore, will you be available on Thursday 9th of February at sliit?
12:45 pm ✓

Sanjeevi Chandrasiri Madam -SL - co Supervisor
Yes 1:30 pm

Sanjeevi Chandrasiri Madam -SL - co Supervisor
Yes
Okay madam 1:34 pm ✓

08/02/2023

Type a message

POLICE - Research - Y4S2 (2023) Regular

Anubama, Hansika, Krish, Sanjeevi, Travee, You

8:54 am

I am available at main building 7th floor 8:54 am

Okay madam 8:59 am ✓

Hansika Mahaadikaara Madam Sliit
Lecturer
Hansika Mahaadikara 9:02 am

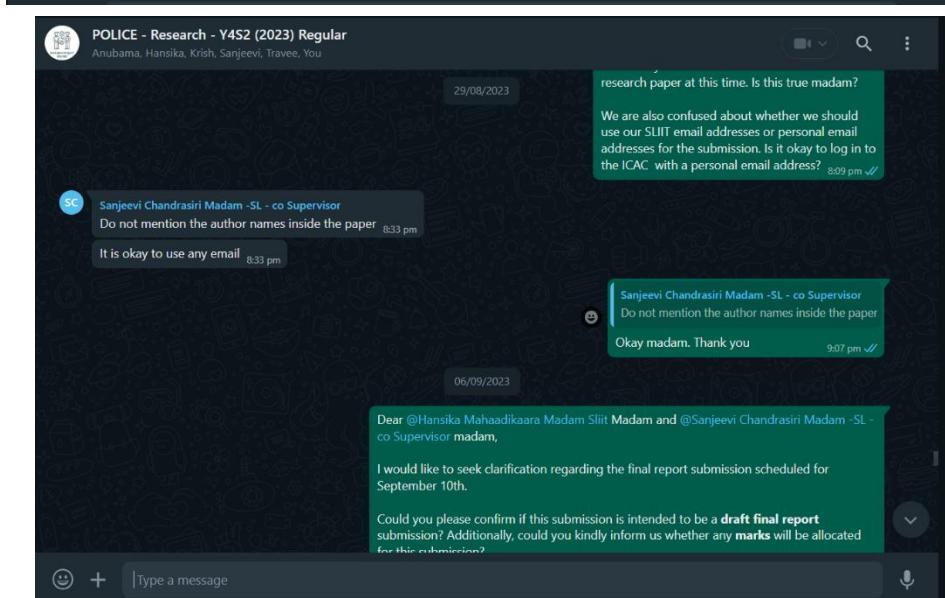
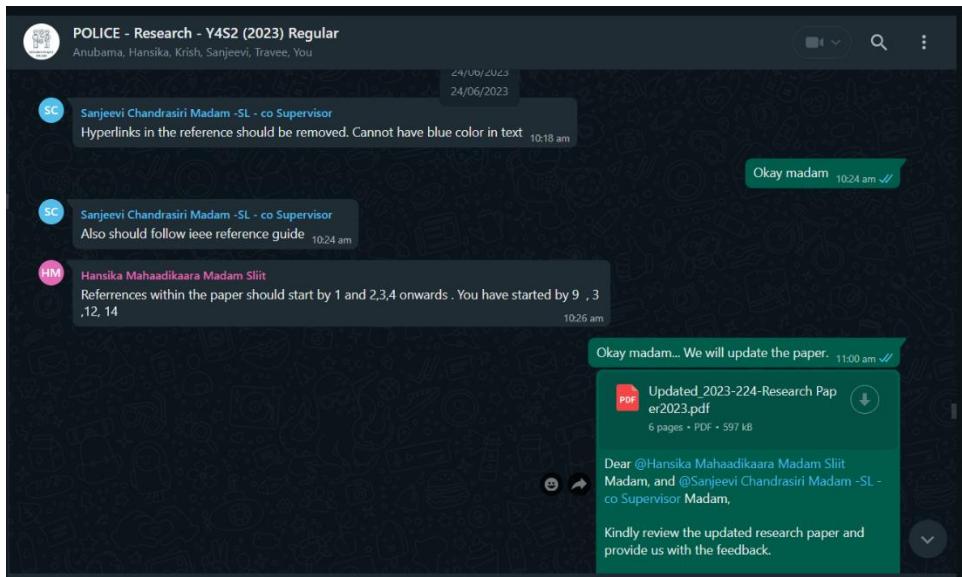
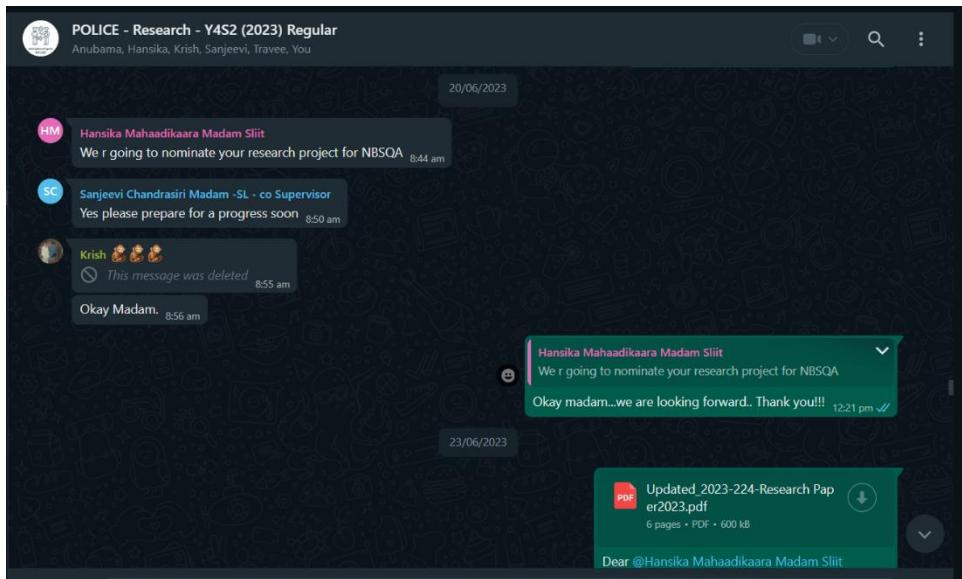
Thank you madam 9:10 am ✓

Type a message

Screenshot 1 (Top): A message from 'Hansika Mahaadikaara Madam Sliit' dated 18/03/2023 at 10:49 pm. The message reads: 'Dear @Hansika Mahaadikaara Madam Sliit madam and @Sanjeevi Chandrasiri Madam -SL - co Supervisor madam, I would like to know if you both are available tomorrow (Sunday 19th March) to sign our proposal report. If possible, could you please let us know your availability and the best time for you?' A file attachment 'TMP-23-224.pdf' (10 pages, 719 kB) is shown. Response from 'Hansika Mahaadikaara Madam Sliit' at 10:47 pm: 'Okay madam. Thank you!'.

Screenshot 2 (Middle): A message from 'Hansika Mahaadikaara Madam Sliit' dated 20/05/2023 at 12:25 pm. The message reads: 'Dear @Hansika Mahaadikaara Madam Sliit Madam, I have a quick question regarding our research project. Is it possible to use multiple algorithms for a specific component, or are we restricted to using only one algorithm? Could you please let me know?' Response from 'Hansika Mahaadikaara Madam Sliit' at 11:57 am: 'Thank you!'. A file attachment '2023-224-Research Paper2023.pdf' (8 pages, 693 kB) is shown. Response from 'Hansika Mahaadikaara Madam Sliit' at 12:29 pm: 'Okay madam. Thank you!!!'.

Screenshot 3 (Bottom): A message from 'Hansika Mahaadikaara Madam Sliit' dated 20/06/2023 at 8:28 pm. The message reads: 'My name Mahadikara M.D.J.T. Hansika Faculty of Computing, Sri Lanka Institute of Information Technology , Malabe , Sri Lanka'. Response from 'Sanjeevi Shahikala Chandrasiri' at 8:30 pm: 'Do not use titles'. Response from 'Sanjeevi Shahikala Chandrasiri' at 8:30 pm: 'Okay madam!!!'. A message from 'Sanjeevi Chandrasiri Madam -SL - co Supervisor' dated 20/06/2023 at 9:30 pm. The message reads: 'Sanjeevi not w please'.



6. Git Details and Commits

The screenshots illustrate the GitLab interface for a project named "2023-224".

- Screenshot 1: Project Overview - Members**
Shows the "Members" section of the project settings. It lists existing members and groups, including:
 - Anubama Logaratnam (@Anubama_L_IT20068196) - Given access 6 days ago, Expires in over 2 years, Developer, 2025-12-30
 - Dharsan.R_IT20003982 (@it20003982DharsanR) - It's you, 2023-224, Given access 6 days ago, Owner
 - Hansika Mahadikara (@hansika.m) - Given access 1 day ago, Expires in about 2 years, Guest, 2025-07-01
 - Krishanthini.M (@Krishanthini.M_IT19980928) - Given access 6 days ago, Expires in over 2 years, Developer, 2025-12-30
 - Sanjeevi Sashikala Chandrasiri (@sanjeevichan) - Given access 1 day ago, Expires in about 2 years, Guest, 2025-07-01
 - traveena chandrasegar (@it20001452) - Given access 6 days ago, Expires in over 2 years, Developer, 2025-12-30
- Screenshot 2: Project Overview - Details**
Shows the "Details" section of the project overview. It displays recent commits:
 - policeAnalysis/policeAnalysis - modified template, 15 minutes ago
 - README.md - Update README.md, 3 months ago
 The commit for README.md includes a detailed description of the project's purpose and research questions.
- Screenshot 3: Project Overview - Details**
Shows the "Details" section of the project overview. It displays individual research questions and objectives for each team member:
 - IT20003982: How can machine learning models predict future accident locations and causes for accidents? How effective are machine learning algorithms in identifying connections in accident data that may be difficult for humans to detect?
 - IT19980928: What is the importance of technology-based methods in predicting future criminal activities based on the nature of the crime? Why Current manual methods of analysis are inefficient and often lead to inaccuracies in investigate cases? How Machine learning algorithm could be used to develop an automated system for analyzing criminal cases?
 - IT20001452: What are the specific challenges faced by law enforcement agencies and the court system in Sri Lanka regarding the handling of criminal cases? What are the current challenges in the criminal case handling procedure in Sri Lanka, and how do they impact the judicial system? How can an automated text analysis system assist in improving the efficiency and accuracy of the criminal justice system in Sri Lanka?
 - IT20068196: How can clustering-based crime forecasting models accurately predict future locations and types of crimes against women, and identify high-risk areas for such crimes? What is the problem with current crime forecasting models in regards to crimes against women? How can a clustering-based crime forecasting model contribute to the development of effective crime prevention strategies for crimes against women?
 - IT20003982: Develop a machine learning system that can analyze and predict accident locations, causes as well as identify connections between police accident cases, in order to inform targeted safety measures and accident prevention strategies.
 - IT19980928: Criminal case analysis System for Police to predicting future crimes cases through identifying patterns and trends in terms of nature of the crime.
 - IT20001452: Develop an automated text analysis system that classifies crime occurrences into relevant categories for law enforcement agencies in Sri Lanka which helps to improve the accuracy and quality of criminal investigations.
 - IT20068196: Develop a model for predicting crimes against women. Provide information on the locations and types of crimes against women. Enable law enforcement agencies to take preventive measures and allocate resources more effectively.

Project overview

Repository

Commits

Branches

Tags

Contributors

Graph

Compare

Issues

2023-224

2023-224 > 2023-224 > Commits

master 2023-224 Filter by commit message

01 Sep, 2023 7 commits

modified template Dharsan.R_IT20003982 authored just now ddda0cf0d

modified template Dharsan.R_IT20003982 authored just now 98e3f630

modified template Dharsan.R_IT20003982 authored 1 minute ago bdb34d93

modified view.py Dharsan.R_IT20003982 authored 2 minutes ago f2bf4877

modified view.py Dharsan.R_IT20003982 authored 4 minutes ago c5b71855

Not secure | gitlab.sliit.lk/2023-224/2023-224/-/commits/master

CDAP-RP CAREER JDK 17 Documentat... Wiley - Associate S...

GitLab Projects Groups More

2 2023-224

Project overview

Repository

Commits

Branches

Tags

Contributors

Graph

Compare

Issues

Commits

Files

Branches

Tags

Contributors

Graph

Compare

Issues

Merge Requests

CI / CD

Operations

Analytics

Collage sidebar

modified template
Dharsan.R_IT20003982 authored just now
modified template
Dharsan.R_IT20003982 authored just now
modified template
Dharsan.R_IT20003982 authored 1 minute ago
modified view.py
Dharsan.R_IT20003982 authored 2 minutes ago
modified view.py
Dharsan.R_IT20003982 authored 4 minutes ago
modified view.py
Dharsan.R_IT20003982 authored 6 minutes ago
final code updated
Dharsan.R_IT20003982 authored 7 minutes ago

31 Aug, 2023 1 commit

added
Dharsan.R_IT20003982 authored 1 day ago
08bcf6f6

24 Jul, 2023 2 commits

area mapping
Krishanthini.M authored 1 month ago
0f8ced6e

changes made on text doc
Krishanthini.M authored 1 month ago
5619449d

23 Jul, 2023 1 commit

Updated
Dharsan.R_IT20003982 authored 1 month ago
e3585d06

18 May, 2023 2 commits

Update README.md
Dharsan.R_IT20003982 authored 3 months ago
a61a35be

Add README.md
Dharsan.R_IT20003982 authored 3 months ago
b4ff9574