THE FUTURE OF CRIME PREVENTION: POLICE CASE ANALYSIS USING MACHINE LEARNING.

(Criminal Case Analysis: Analyzing and grouping commonalities among criminal cases and predicting the future crimes in terms of the nature of the crime.)

Project Id:

2023-224

Logbook

Krishanthini.M- IT19980928

Supervisor - Ms. Hansika Mahadikara
Co-Supervisor -Ms. Sanjeevi Chandrasiri

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Sri Lanka

October 2023

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1. Summary of Daily Group Meetings

Date	Time	Platform	Krishanthini .M	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 thepriority 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 researchabout each sections.
2022-12-01	10:30 AM	MS Teams	Present	Research component search progress Supervisor issue	Decided to mail the Supervisor for a meetthis 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 requestinga 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 tosupervisors.
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 toHansi 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	Absent	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 Mondaymorning.

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	Absent	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	Forward with the heduled 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 thatmentioned 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 researchpaper and conferences, Discussion with co supervisor about the conferences and research paper	Go forward with thescheduled plan, Do the changes thatmentioned 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 researchpaper 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 thescheduled 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 thescheduled 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 thatmentioned 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

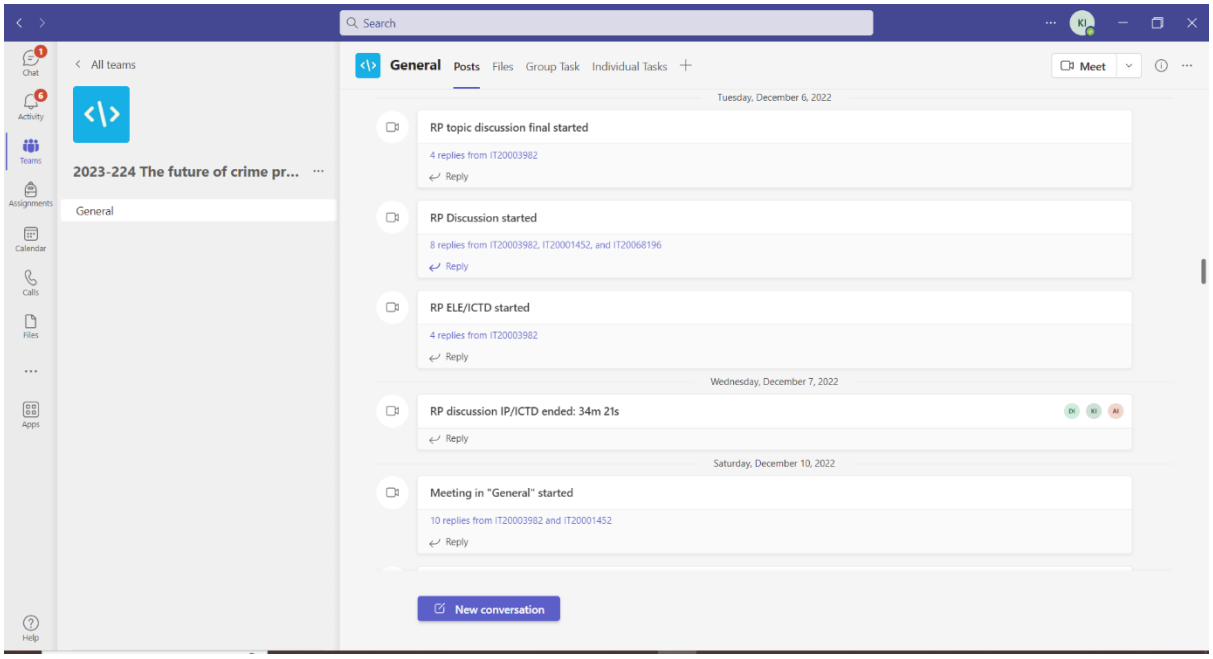
				and discussions regarding status document 2 progress	
2023-09-03	6:30 PM	MS Teams	Present	Checks PP2 Slides and Running the Web Application (Checking)	Application runs successfully. PP2 Slide need Improvements
2023-09-04	6:30 PM	MS Teams	Present	Discussing to finalize the PP2 Slides and Integrated code	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

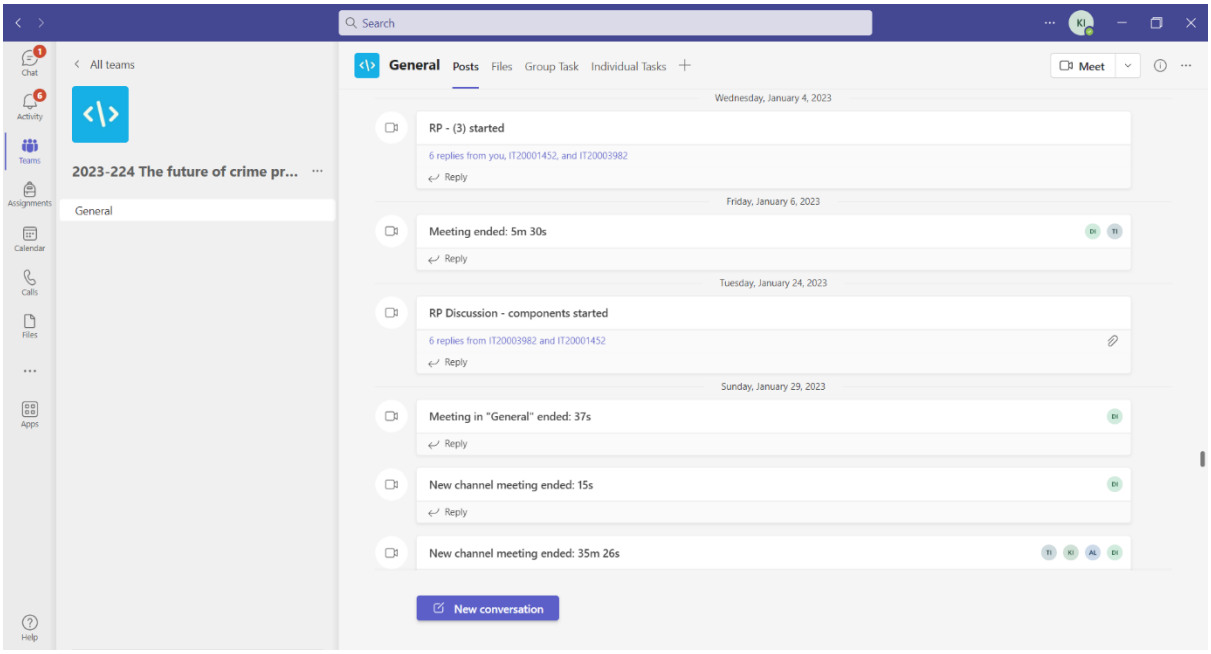
2023-09-18	6:30 PM	MS Teams	Present	Discussing to publish the research paper in some other conferences/journals	Go forward with the plan
2023-09-19	6:30 PM	MS Teams	Present	Discussing to publish the research paper in some other conferences.	We have previously submitted our work in ICAC, and after careful 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

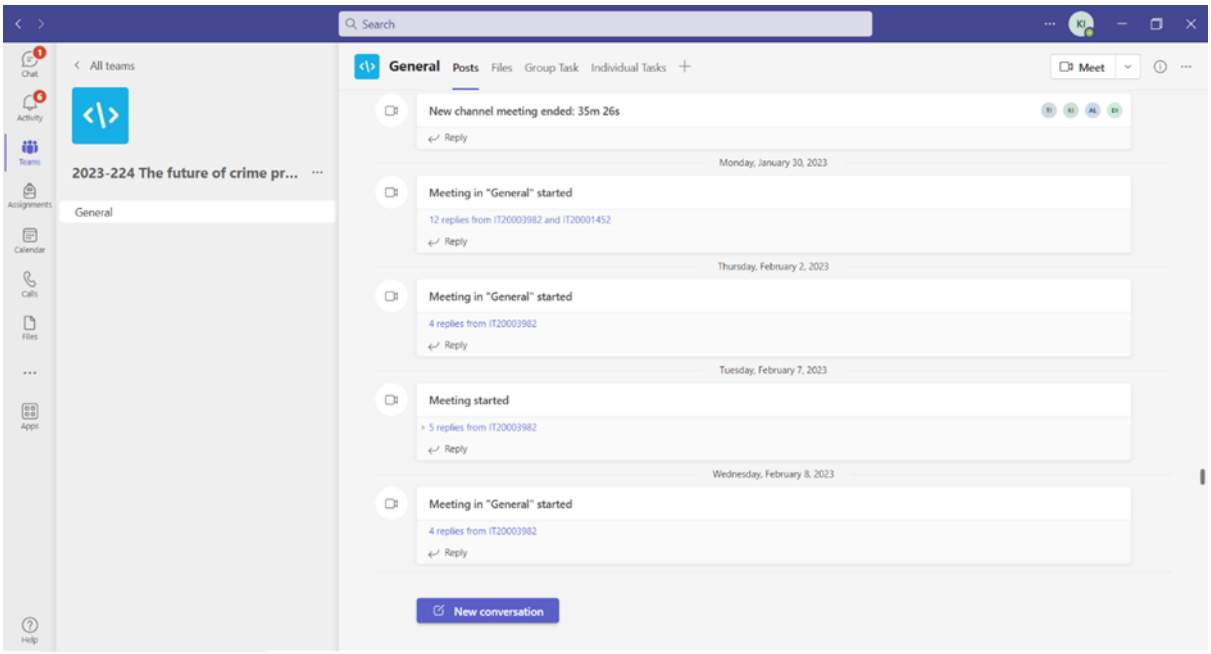
2023-10-16	6:30 PM	MS Teams	Present	Conversations about the reviews of the ICAC research paper.	Acknowledged the reviews and modifications.
2023-10-18	6:30 PM	MS Teams	Present	Discussions regarding Final Viva and Code (Status Update)	Go forward with the plan
2023-10-19	6:30 PM	MS Teams	Present	Conversations 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

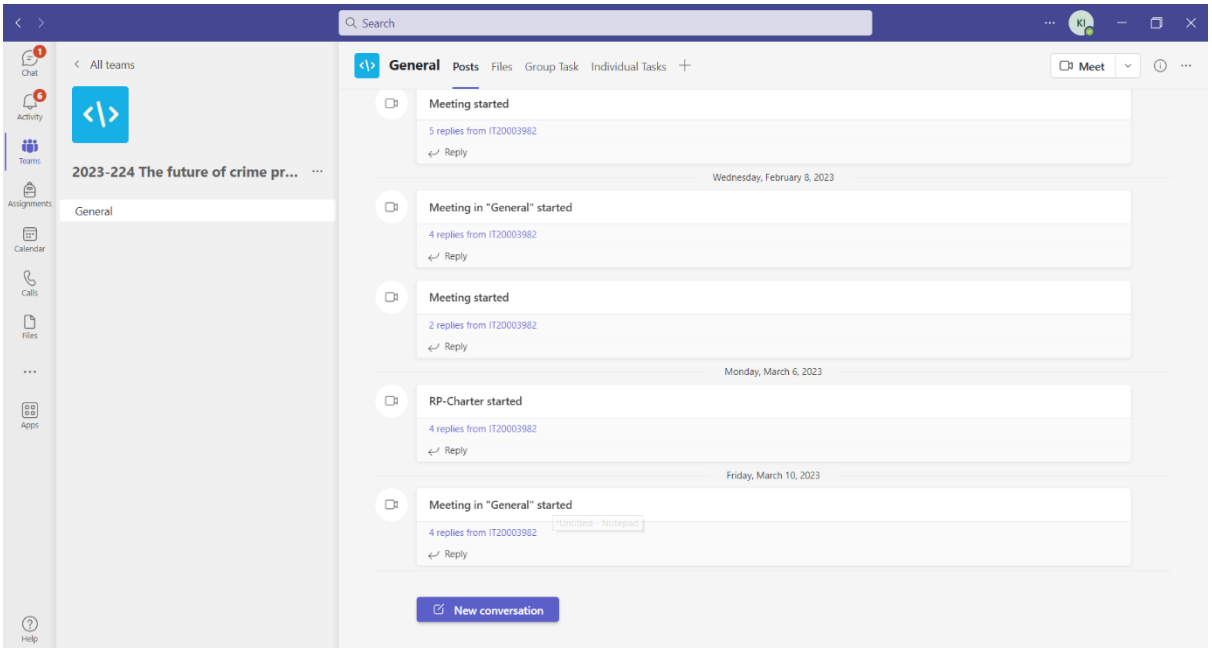
2.

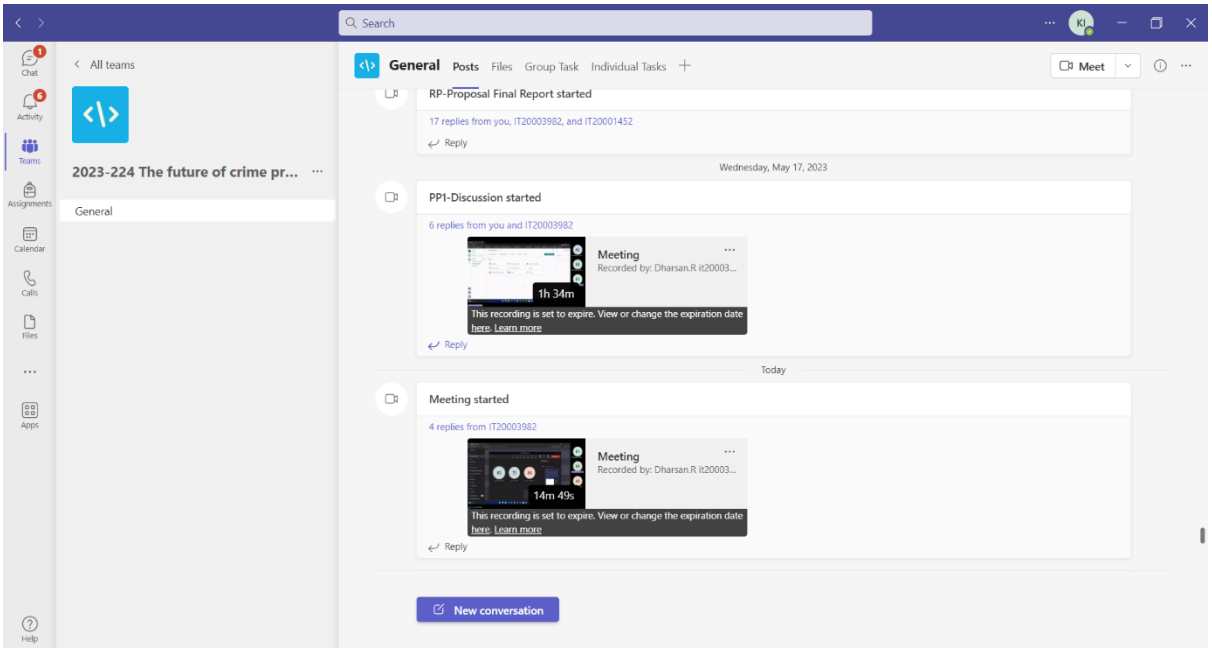
2. MS Teams Meeting with Members.

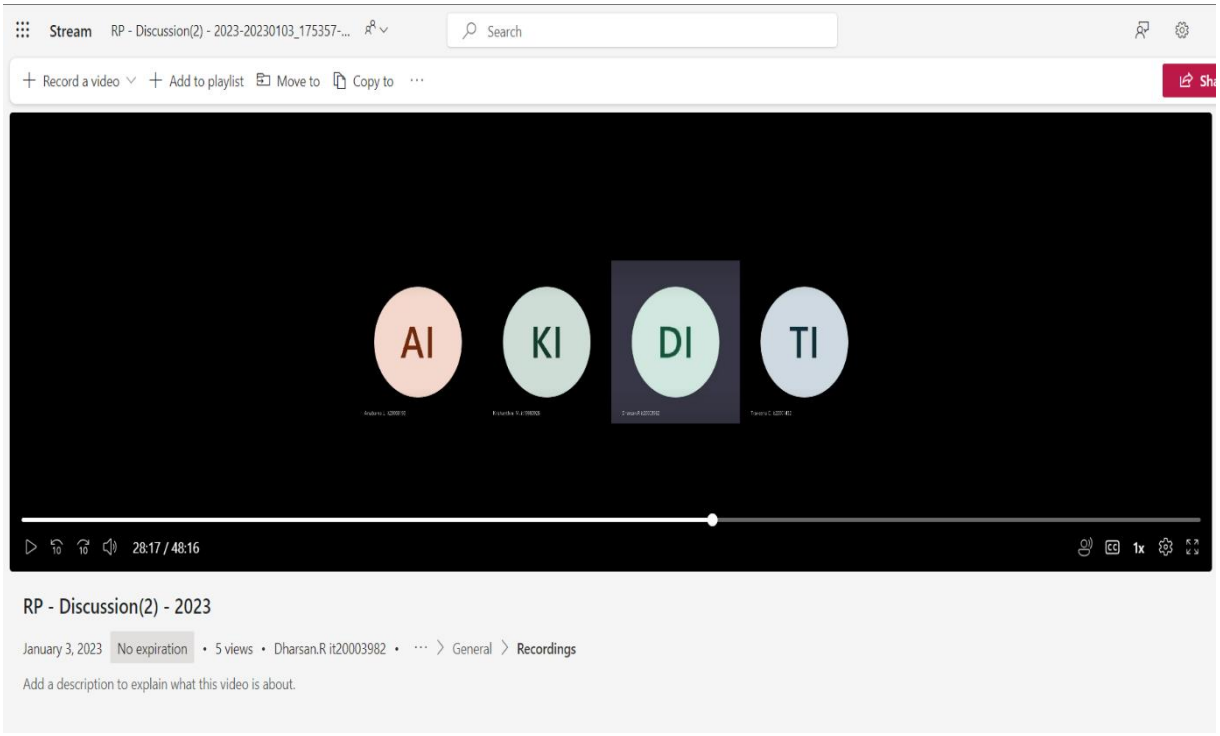




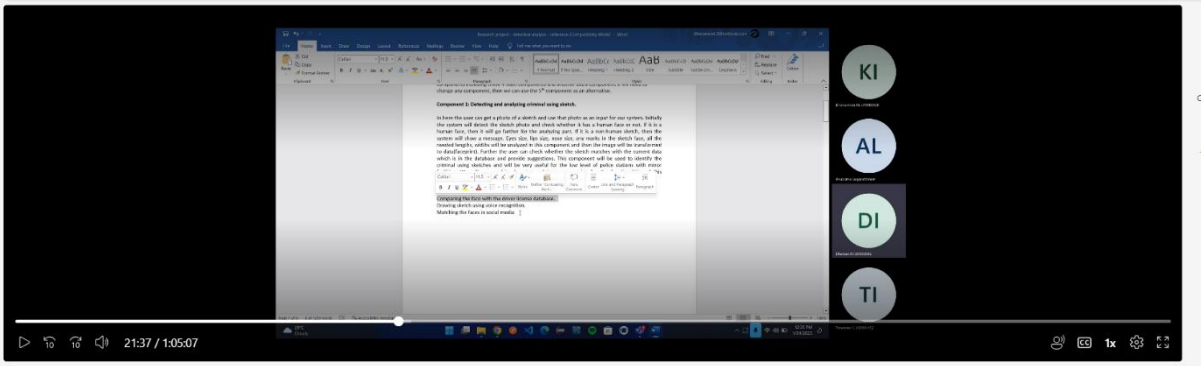

Search
All teams
2023-224 The future of crime pr...
General
General
Posts
Files
Group Task
Individual Tasks
Meet
New channel meeting ended: 35m 26s
Reply
Monday, January 30, 2023
Meeting in "General" started
12 replies from IT20003982 and IT20001452
Reply
Thursday, February 2, 2023
Meeting in "General" started
4 replies from IT20003982
Reply
Tuesday, February 7, 2023
Meeting started
5 replies from IT20003982
Reply
Wednesday, February 8, 2023
Meeting in "General" started
4 replies from IT20003982
Reply
New conversation


Search
All teams
2023-224 The future of crime pr...
General
General
Posts
Files
Group Task
Individual Tasks
Meet
Meeting started
5 replies from IT20003982
Reply
Wednesday, February 8, 2023
Meeting in "General" started
4 replies from IT20003982
Reply
Meeting started
2 replies from IT20003982
Reply
Monday, March 6, 2023
RP-Charter started
4 replies from IT20003982
Reply
Friday, March 10, 2023
Meeting in "General" started
4 replies from IT20003982
Reply
New conversation


Search
All teams
2023-224 The future of crime pr...
General
General Posts Files Group Task Individual Tasks
Meet
RP-Proposal Final Report started
17 replies from you, IT20003982, and IT20001452
Reply
Wednesday, May 17, 2023
PP1-Discussion started
6 replies from you and IT20003982
Meeting
Recorded by: Dharsan.R it20003...
1h 34m
This recording is set to expire. View or change the expiration date here. Learn more
Reply
Today
Meeting started
4 replies from IT20003982
Meeting
Recorded by: Dharsan.R it20003...
14m 49s
This recording is set to expire. View or change the expiration date here. Learn more
Reply
New conversation


Stream
RP - Discussion(2) - 2023-20230103_175357-...
Search
Record a video
Add to playlist
Move to
Copy to
AI
KI
DI
TI
28:17 / 48:16
1x
RP - Discussion(2) - 2023
January 3, 2023
No expiration
5 views
Dharsan.R it20003982
General
Recordings
Add a description to explain what this video is about.

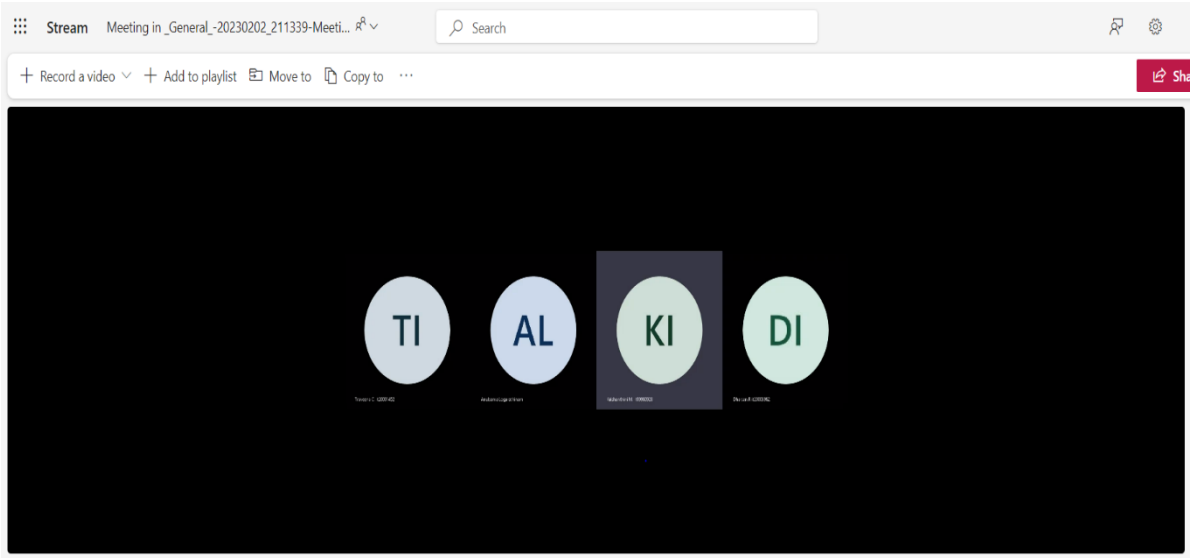
Add a description to explain what this video is about.



RP Discussion - components

January 24, 2023 No expiration • 3 views • Dharsan.R it20003982 • ··· > General > Recordings

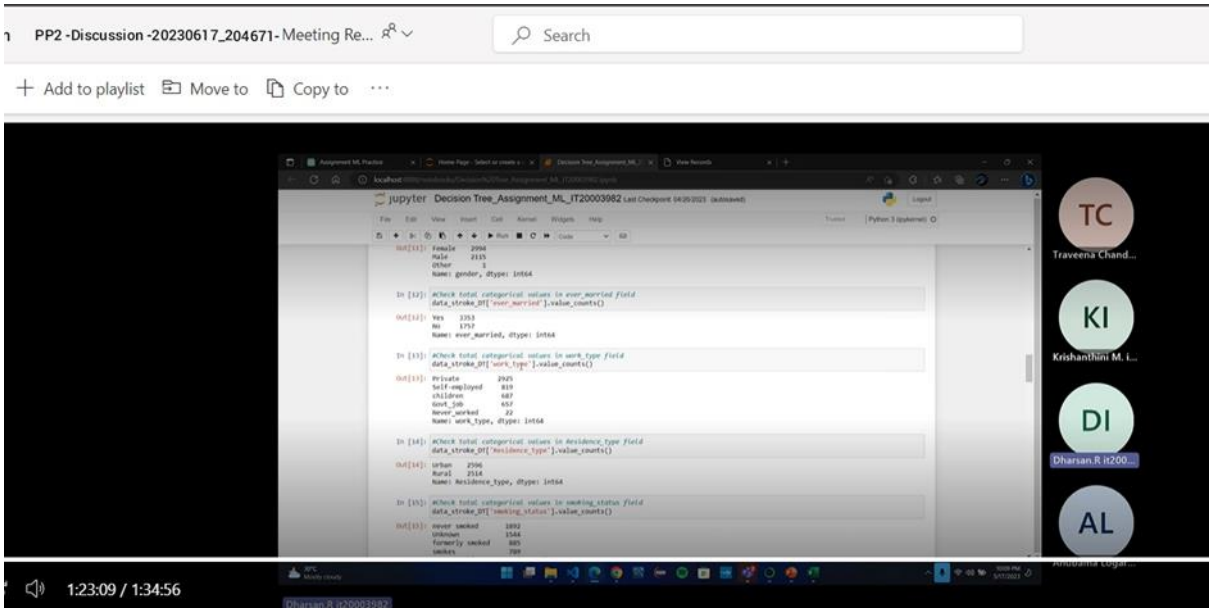
Add a description to explain what this video is about.

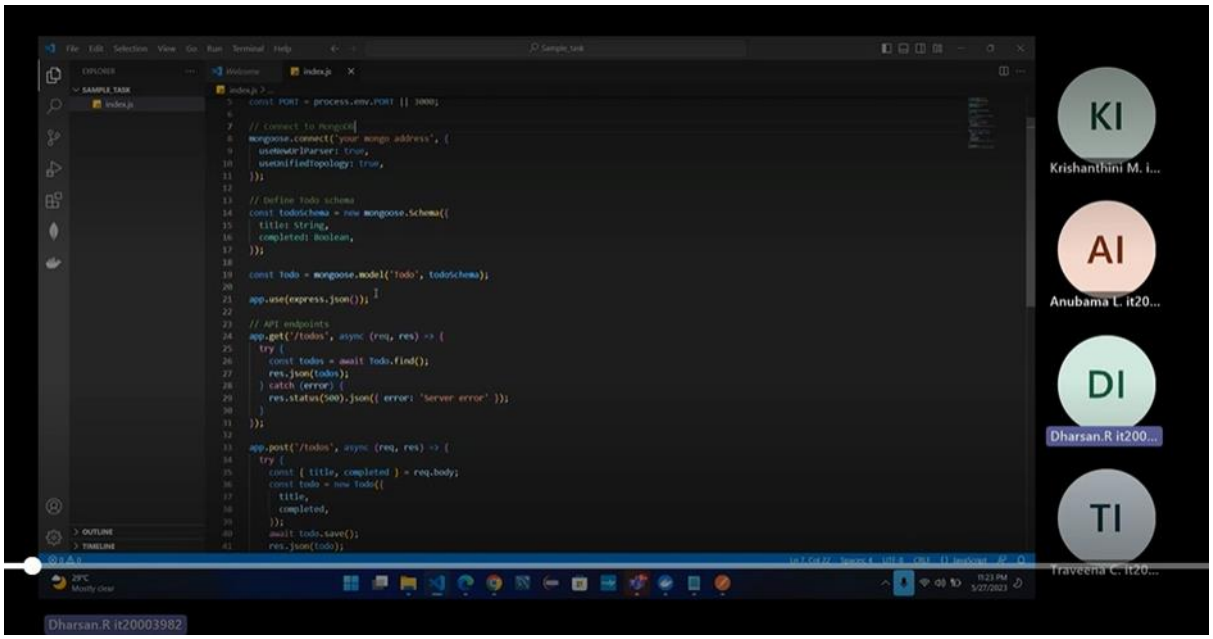


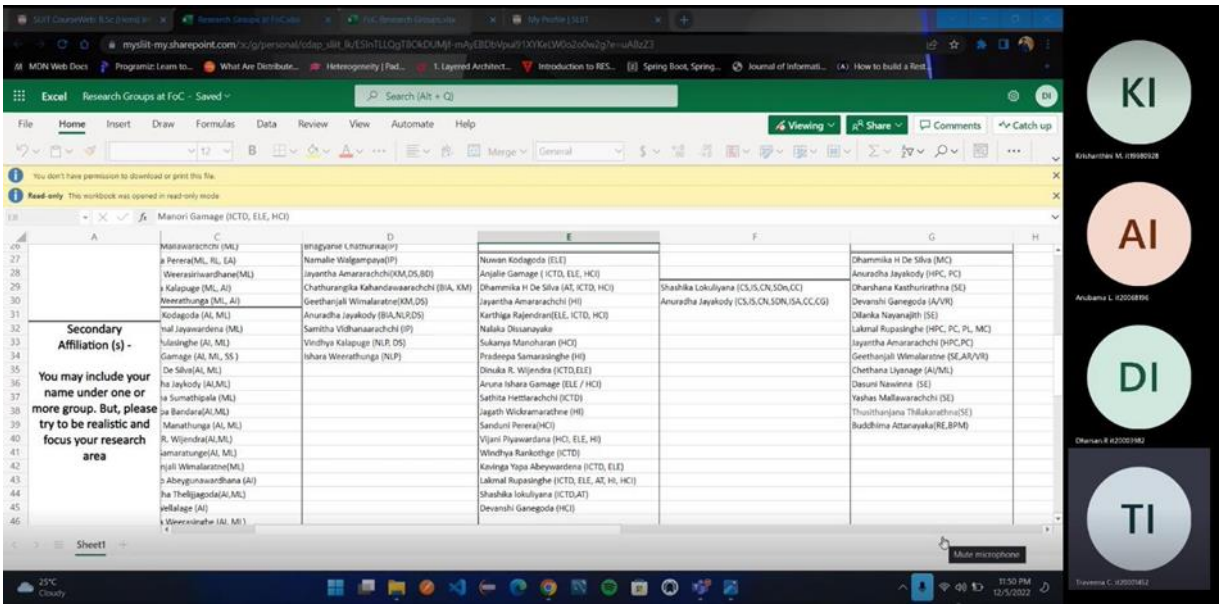
Meeting in "General"

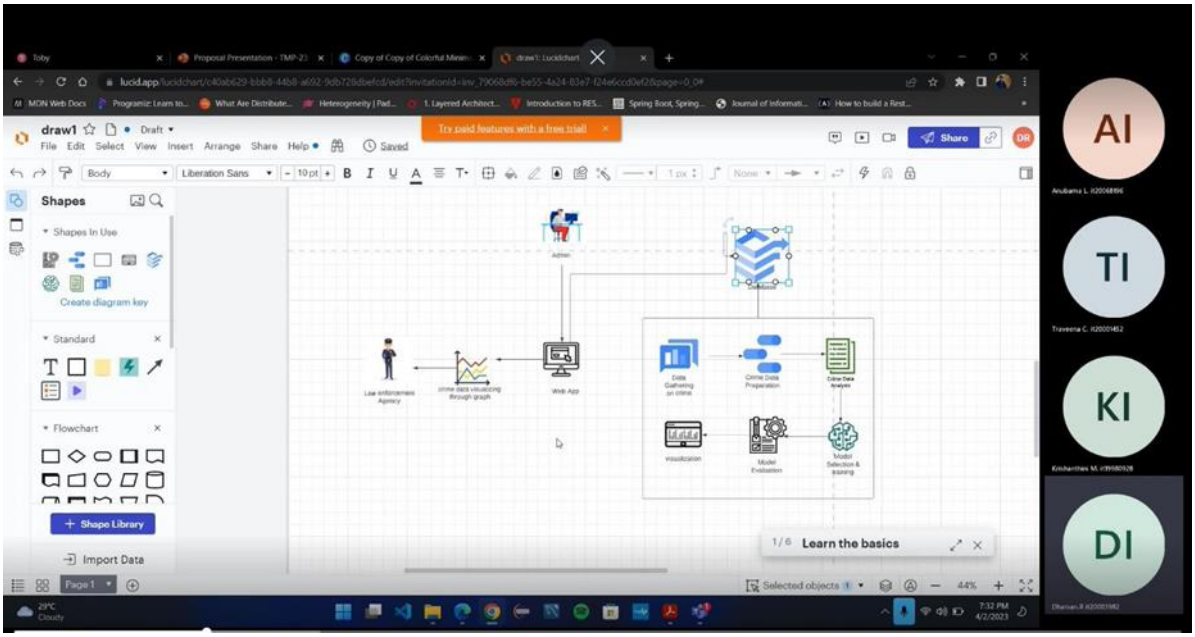
February 2, 2023 No expiration • 0 views • Dharsan.R it20003982 • ··· > General > Recordings

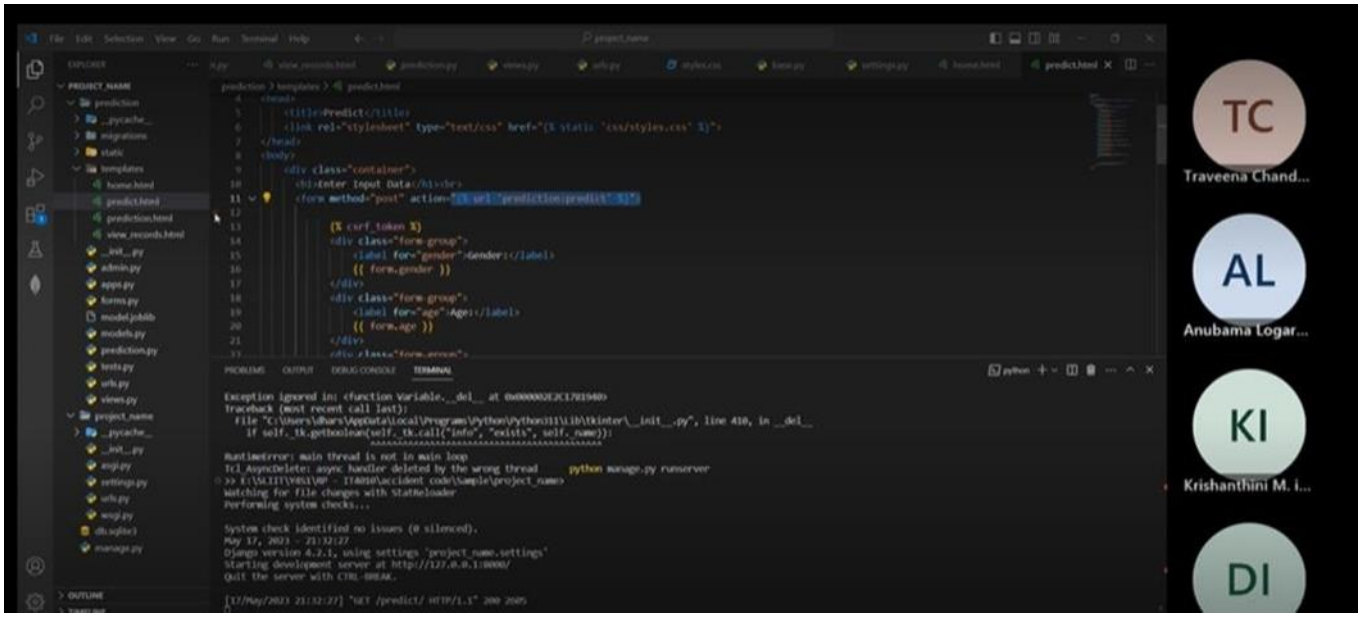
Add a description to explain what this video is about.

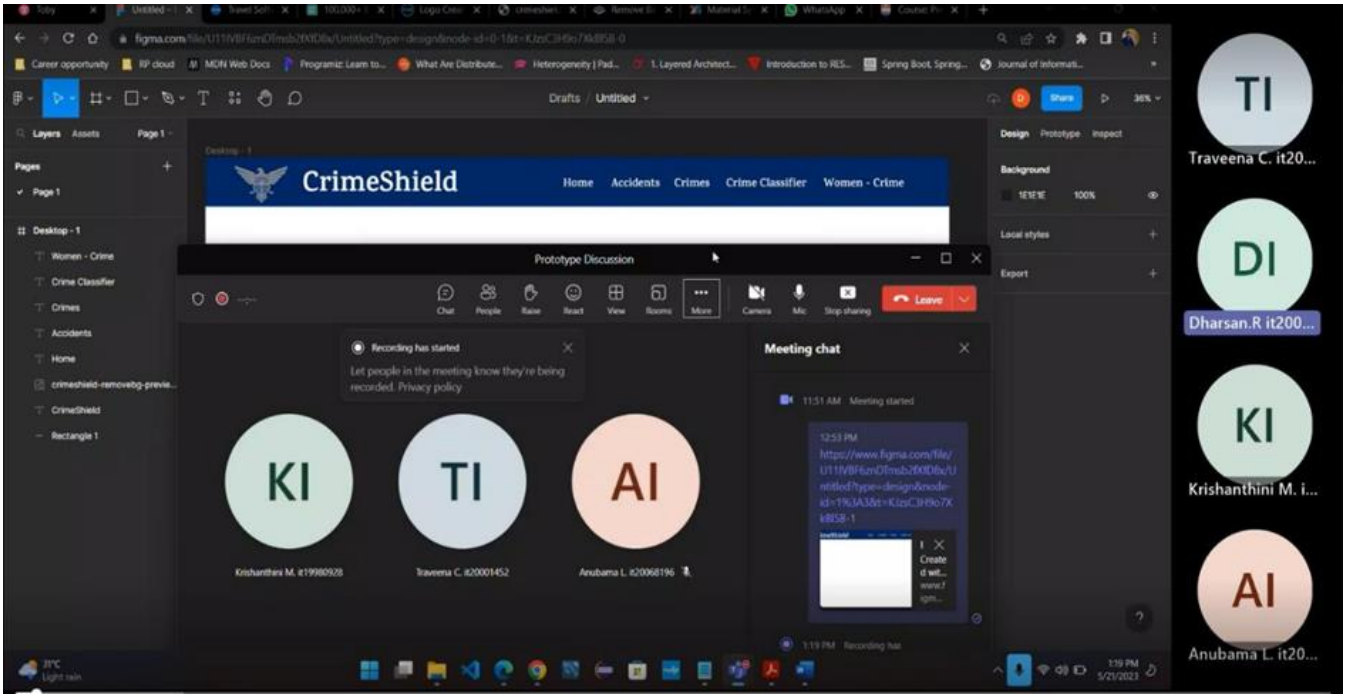

PP2 -Discussion -20230617_204671- Meeting Re...
Search
Add to playlist
Move to
Copy to
jupyter Decision Tree_Assignment_ML_IT20003982
TC
Traveena Chand...
KI
Krishanthini M. i...
DI
Dharsan.R it200...
AL
1:23:09 / 1:34:56


KI
Krishanthini M. i...
AI
Anubama L. it20...
DI
Dharsan.R it200...
TI
Traveena C. it20...
Dharsan.R it20003982

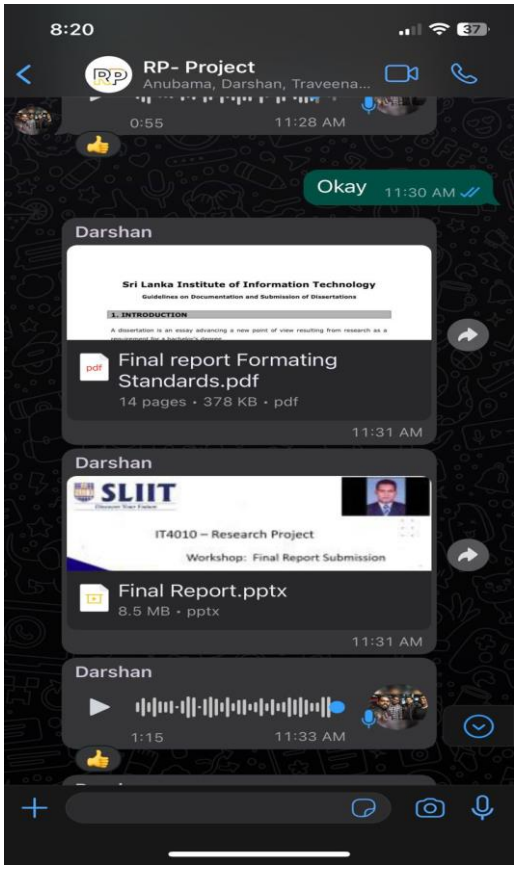

Excel
Research Groups at FoC - Saved
Secondary Affiliation (s) -
You may include your name under one or more group. But, please try to be realistic and focus your research area
KI
AI
DI
TI

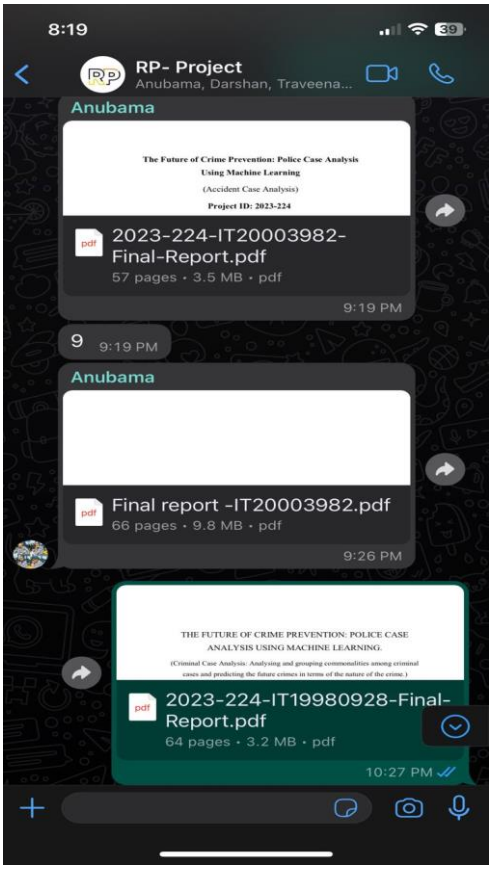

draw1
Shapes
Shape Library
Import Data
Learn the basics
AI
TI
KI
DI

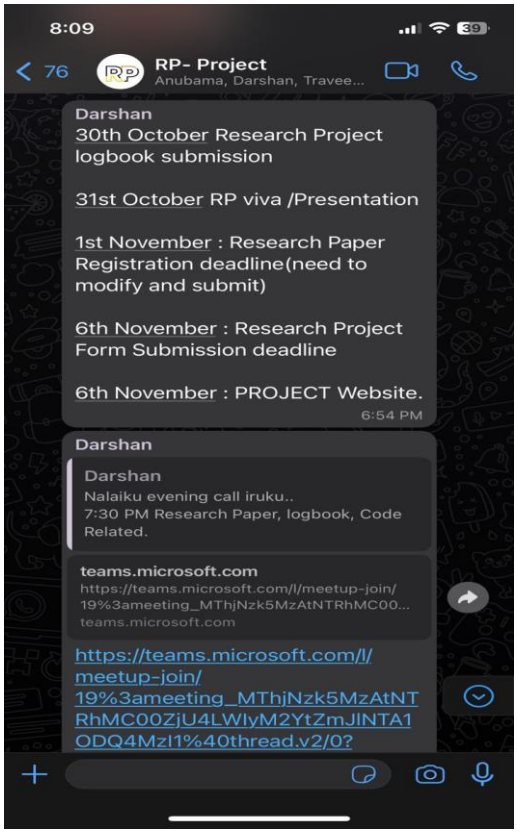

TC
Traveena Chand...
AL
Anubama Logar...
KI
Krishanthini M. i...
DI

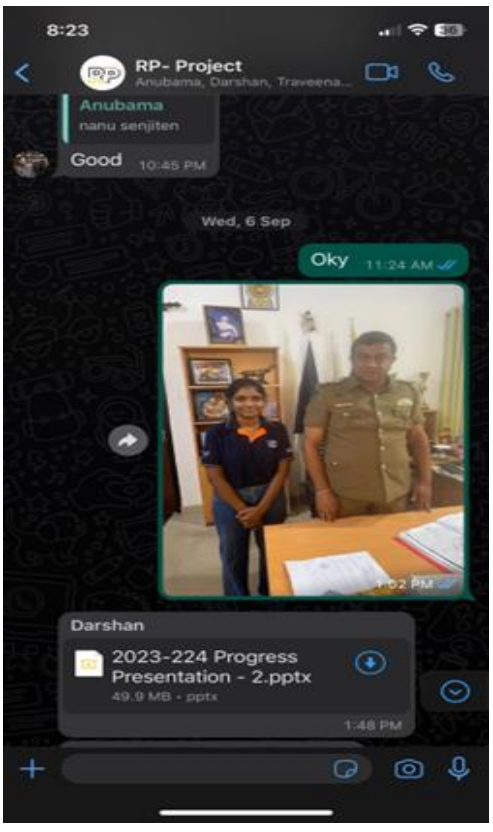

CrimeShield
Home
Accidents
Crimes
Crime Classifier
Women - Crime
Prototype Discussion
Meeting chat
KI
TI
AI
TI
Traveena C. it20...
DI
Dharsan.R it200...
KI
Krishanthini M. i...
AI
Anubama L. it20...

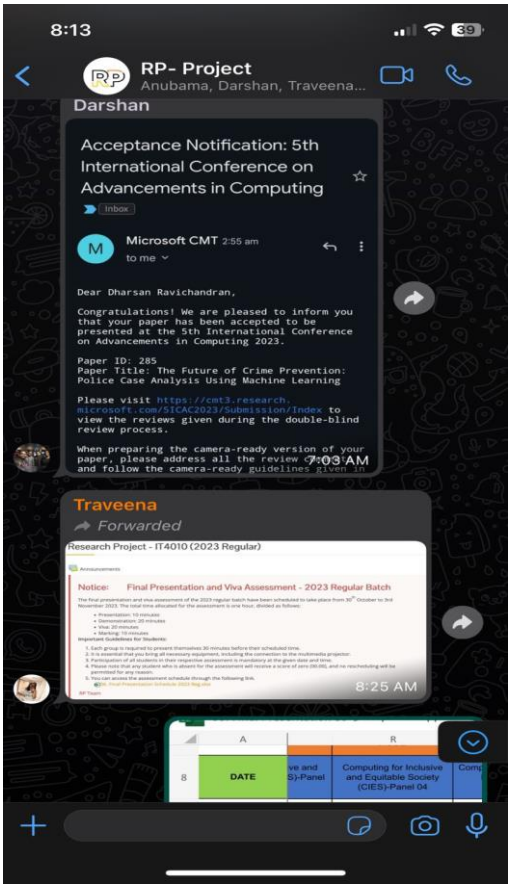
3.WhatsApp Discussions with Group members

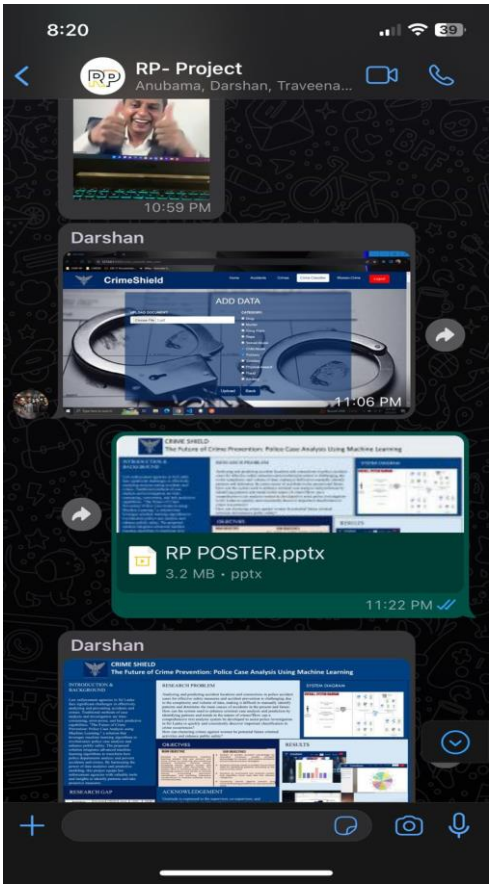




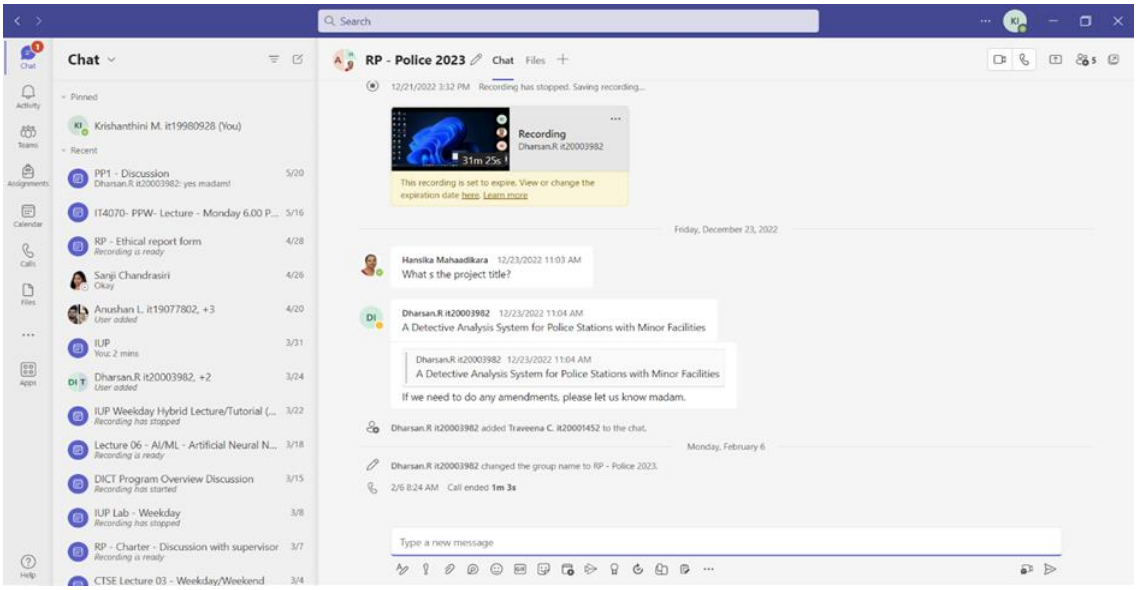


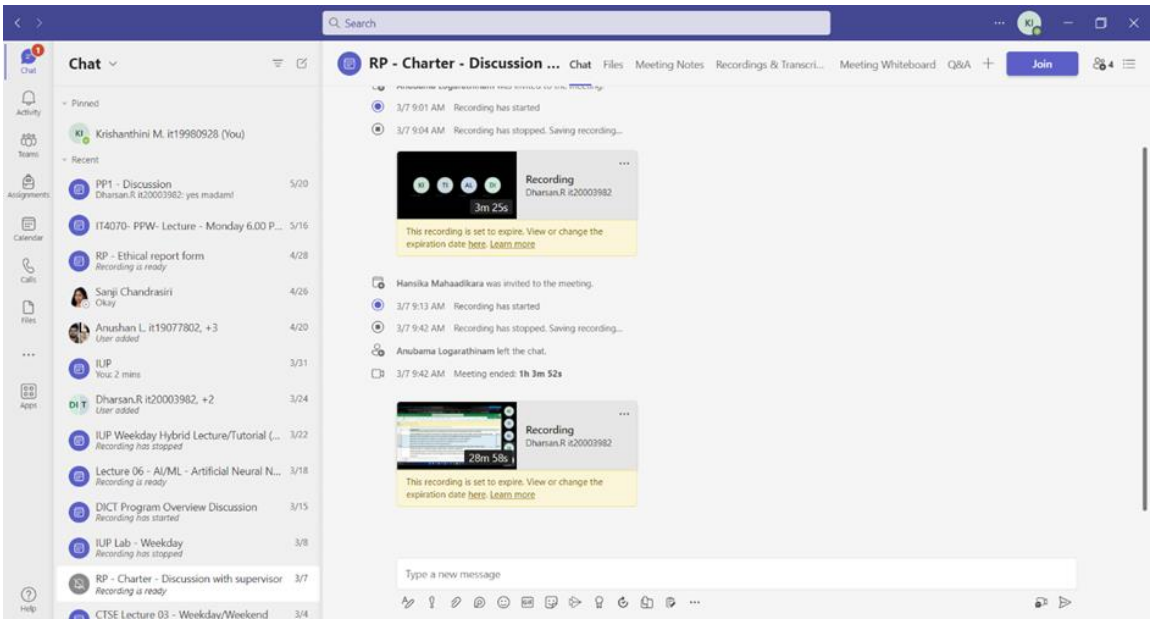


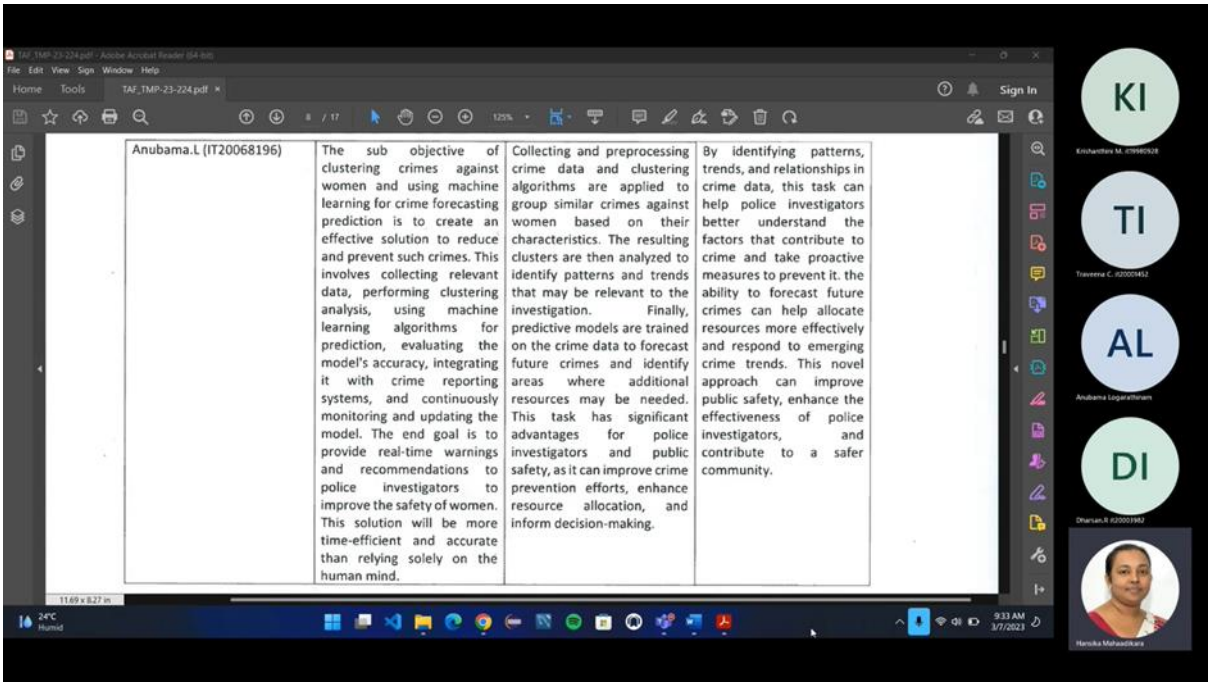

8:13
RP- Project
Anubama, Darshan, Traveena...
Darshan
Acceptance Notification: 5th International Conference on Advancements in Computing
Inbox
Microsoft CMT 2:55 am
to me
Dear Dharsan Ravichandran,
Congratulations! We are pleased to inform you that your paper has been accepted to be presented at the 5th International Conference on Advancements in Computing 2023.
Paper ID: 285
Paper Title: The Future of Crime Prevention: Police Case Analysis Using Machine Learning
Please visit https://cmt3.research.microsoft.com/SICAC2023/Submission/Index to view the reviews given during the double-blind review process.
When preparing the camera-ready version of your paper, please address all the review given in and follow the camera-ready guidelines.
7:03 AM
Traveena
Forwarded
Research Project - IT4010 (2023 Regular)
Notice: Final Presentation and Viva Assessment - 2023 Regular Batch
8:25 AM
DATE
Computing for Inclusive and Equitable Society (CIES)-Panel 04


8:20
RP- Project
Anubama, Darshan, Traveena...
10:59 PM
Darshan
CrimeShield
ADD DATA
11:06 PM
RP POSTER.pptx
3.2 MB • pptx
11:22 PM
Darshan
CRIME SHIELD
The Future of Crime Prevention: Police Case Analysis Using Machine Learning

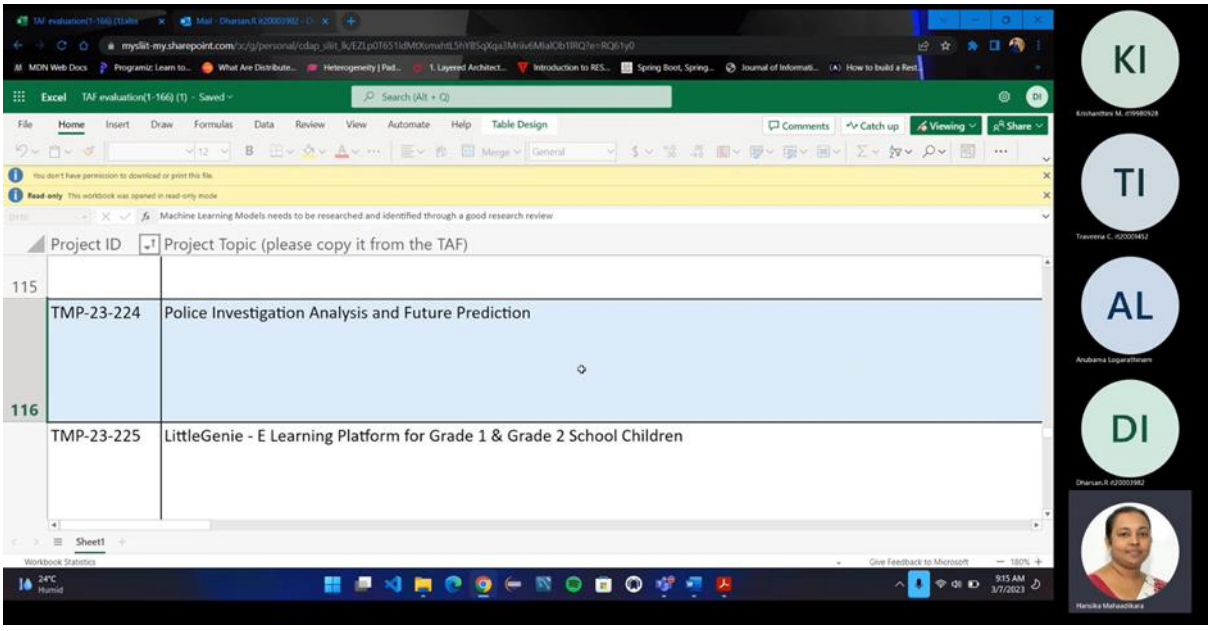
4.Ms Teams call with the supervisor.



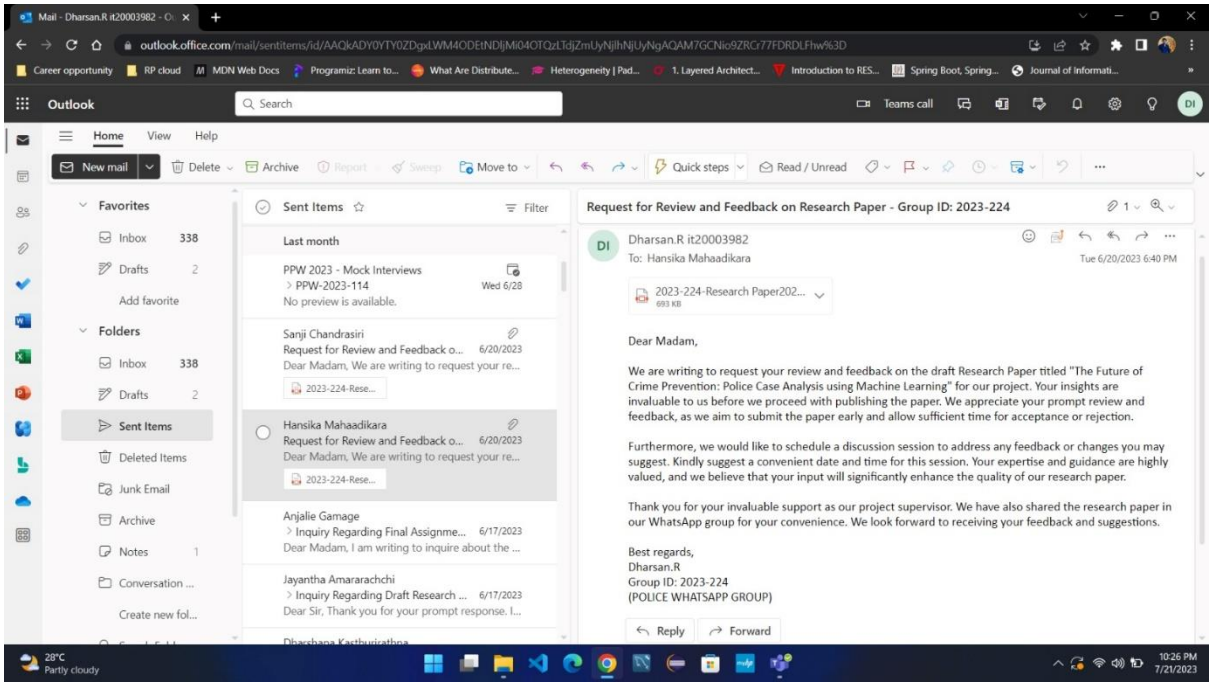


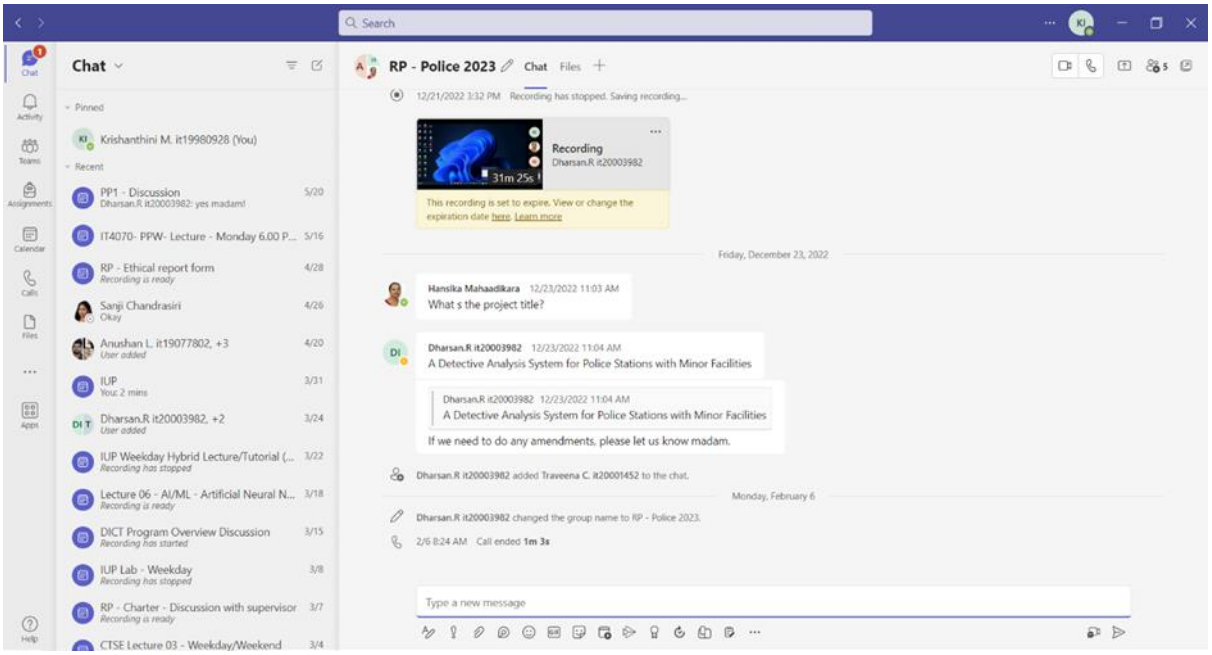


Anubama.L (IT20068196)	The sub objective of clustering crimes against women and using machine learning for crime forecasting prediction is to create an effective solution to reduce and prevent such crimes. This involves collecting relevant data, performing clustering analysis, using machine learning algorithms for prediction, evaluating the model's accuracy, integrating it with crime reporting systems, and continuously monitoring and updating the model. The end goal is to provide real-time warnings and recommendations to police investigators to improve the safety of women. This solution will be more time-efficient and accurate than relying solely on the human mind.	Collecting and preprocessing crime data and clustering algorithms are applied to group similar crimes against women based on their characteristics. The resulting clusters are then analyzed to identify patterns and trends that may be relevant to the investigation. Finally, predictive models are trained on the crime data to forecast future crimes and identify areas where additional resources may be needed. This task has significant advantages for police investigators and public safety, as it can improve crime prevention efforts, enhance resource allocation, and inform decision-making.	By identifying patterns, trends, and relationships in crime data, this task can help police investigators better understand the factors that contribute to crime and take proactive measures to prevent it. the ability to forecast future crimes can help allocate resources more effectively and respond to emerging crime trends. This novel approach can improve public safety, enhance the effectiveness of police investigators, and contribute to a safer community.

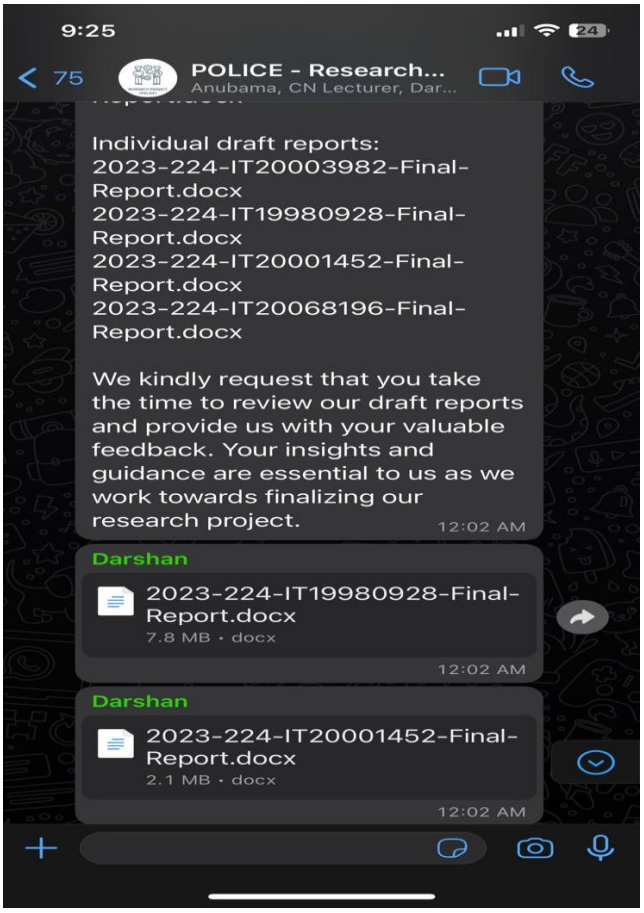


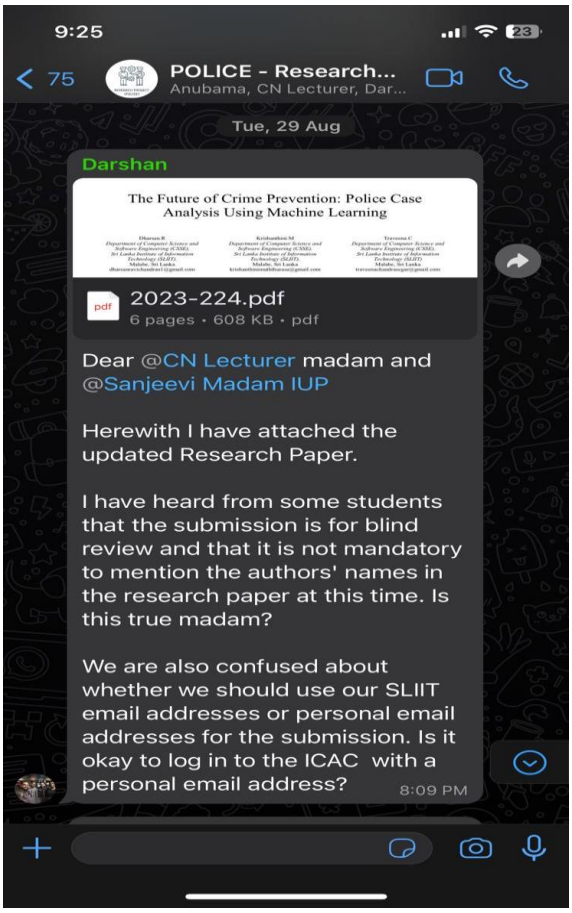
Project ID	Project Topic (please copy it from the TAF)
115	
TMP-23-224	Police Investigation Analysis and Future Prediction
116	
TMP-23-225	LittleGenie - E Learning Platform for Grade 1 & Grade 2 School Children

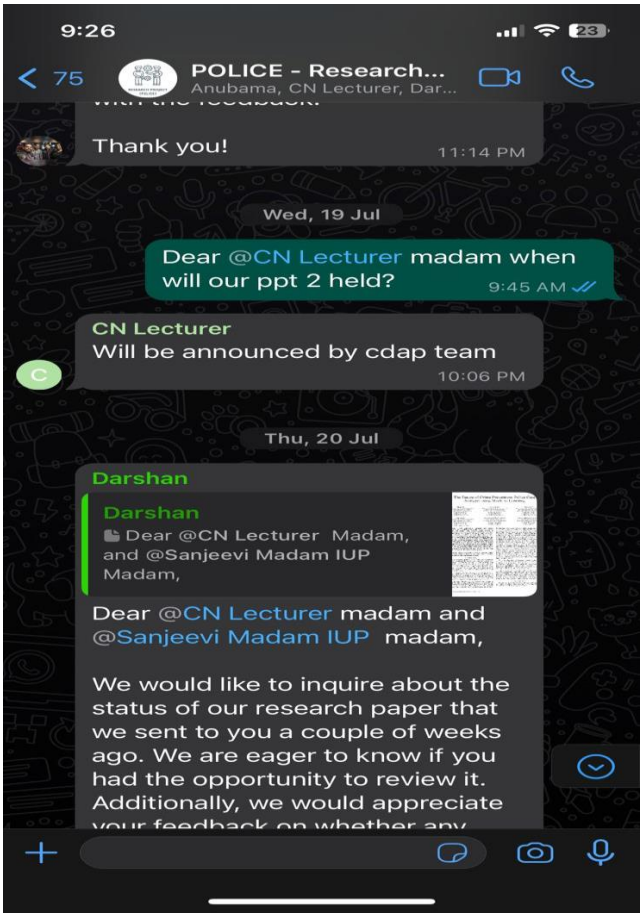

Outlook
Search
Teams call
Home
View
Help
New mail
Delete
Archive
Move to
Quick steps
Read / Unread
Favorites
Inbox 338
Drafts 2
Add favorite
Folders
Inbox 338
Drafts 2
Sent Items
Deleted Items
Junk Email
Archive
Notes 1
Conversation ...
Create new fol...
Sent Items
Filter
Last month
PPW 2023 - Mock Interviews
PPW-2023-114
No preview is available.
Wed 6/28
Sanji Chandrasiri
Request for Review and Feedback o...
6/20/2023
Dear Madam, We are writing to request your re...
2023-224-Rese...
Hansika Mahaadikara
Request for Review and Feedback o...
6/20/2023
Dear Madam, We are writing to request your re...
2023-224-Rese...
Anjalie Gamage
Inquiry Regarding Final Assignme...
6/17/2023
Dear Madam, I am writing to inquire about the ...
Jayantha Amararachchi
Inquiry Regarding Draft Research ...
6/17/2023
Dear Sir, Thank you for your prompt response. I...
Request for Review and Feedback on Research Paper - Group ID: 2023-224
Dharsan.R it20003982
To: Hansika Mahaadikara
Tue 6/20/2023 6:40 PM
2023-224-Research Paper202...
693 KB
Dear Madam,
We are writing to request your review and feedback on the draft Research Paper titled "The Future of Crime Prevention: Police Case Analysis using Machine Learning" for our project. Your insights are invaluable to us before we proceed with publishing the paper. We appreciate your prompt review and feedback, as we aim to submit the paper early and allow sufficient time for acceptance or rejection.
Furthermore, we would like to schedule a discussion session to address any feedback or changes you may suggest. Kindly suggest a convenient date and time for this session. Your expertise and guidance are highly valued, and we believe that your input will significantly enhance the quality of our research paper.
Thank you for your invaluable support as our project supervisor. We have also shared the research paper in our WhatsApp group for your convenience. We look forward to receiving your feedback and suggestions.
Best regards,
Dharsan.R
Group ID: 2023-224
(POLICE WHATSAPP GROUP)
Reply
Forward
28°C
Partly cloudy
10:26 PM
7/21/2023

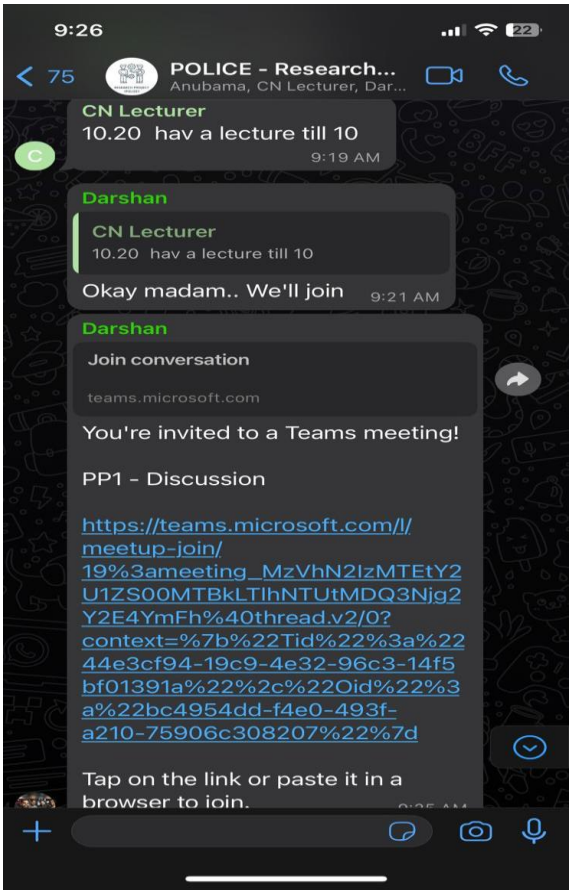

Search
Chat
Pinned
Krishanthini M. it19980928 (You)
Recent
PP1 - Discussion
Dharsan.R it20003982: yes madam!
5/20
IT4070- PPW- Lecture - Monday 6.00 P...
5/16
RP - Ethical report form
Recording is ready
4/28
Sanji Chandrasiri
Okay
4/26
Anushan L. it19077802, +3
User added
4/20
IUP
You: 2 mins
3/31
Dharsan.R it20003982, +2
User added
3/24
IUP Weekday Hybrid Lecture/Tutorial (...
Recording has stopped
3/22
Lecture 06 - AI/ML - Artificial Neural N...
Recording is ready
3/18
DICT Program Overview Discussion
Recording has started
3/15
IUP Lab - Weekday
Recording has stopped
3/8
RP - Charter - Discussion with supervisor
Recording is ready
3/7
CTSE Lecture 03 - Weekday/Weekend
3/4
RP - Police 2023
Chat
Files
12/21/2022 3:32 PM Recording has stopped. Saving recording...
Recording
Dharsan.R it20003982
31m 25s
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?
Dharsan.R it20003982 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.
Monday, February 6
Dharsan.R it20003982 changed the group name to RP - Police 2023.
2/6 8:24 AM Call ended 1m 3s
Type a new message

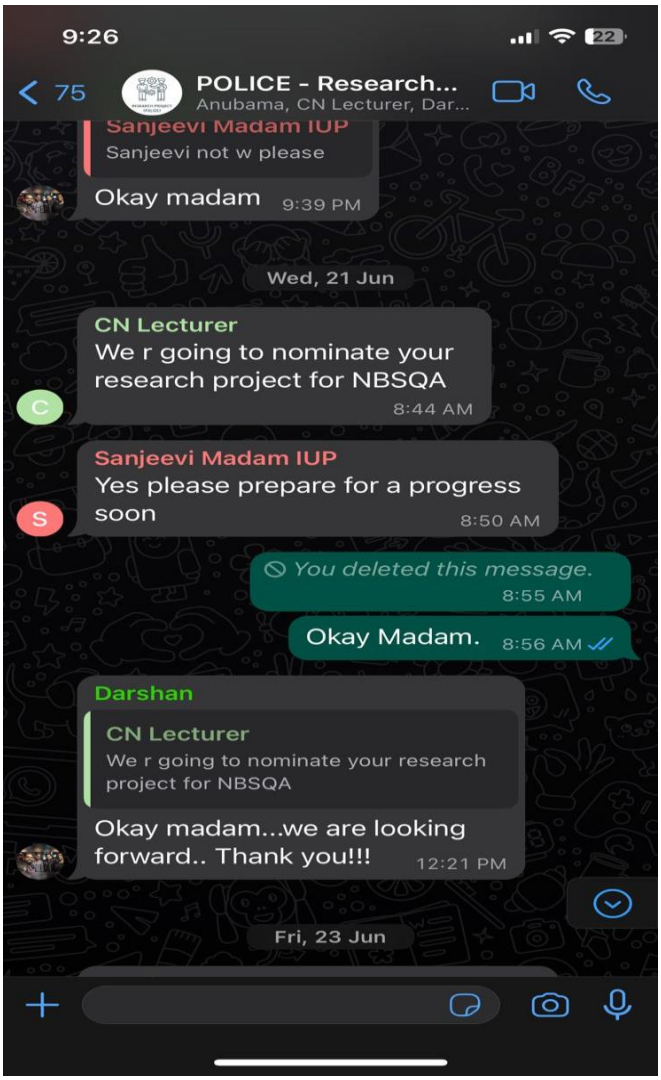
5.WhatsApp Discussions with the Supervisor










9:26
75
POLICE - Research...
Anubama, CN Lecturer, Dar...
Sanjeevi not w please
Okay madam 9:39 PM
Wed, 21 Jun
CN Lecturer
We r going to nominate your research project for NBSQA
8:44 AM
Sanjeevi Madam IUP
Yes please prepare for a progress soon
8:50 AM
You deleted this message.
8:55 AM
Okay Madam. 8:56 AM
Darshan
CN Lecturer
We r going to nominate your research project for NBSQA
Okay madam...we are looking forward.. Thank you!!! 12:21 PM
Fri, 23 Jun

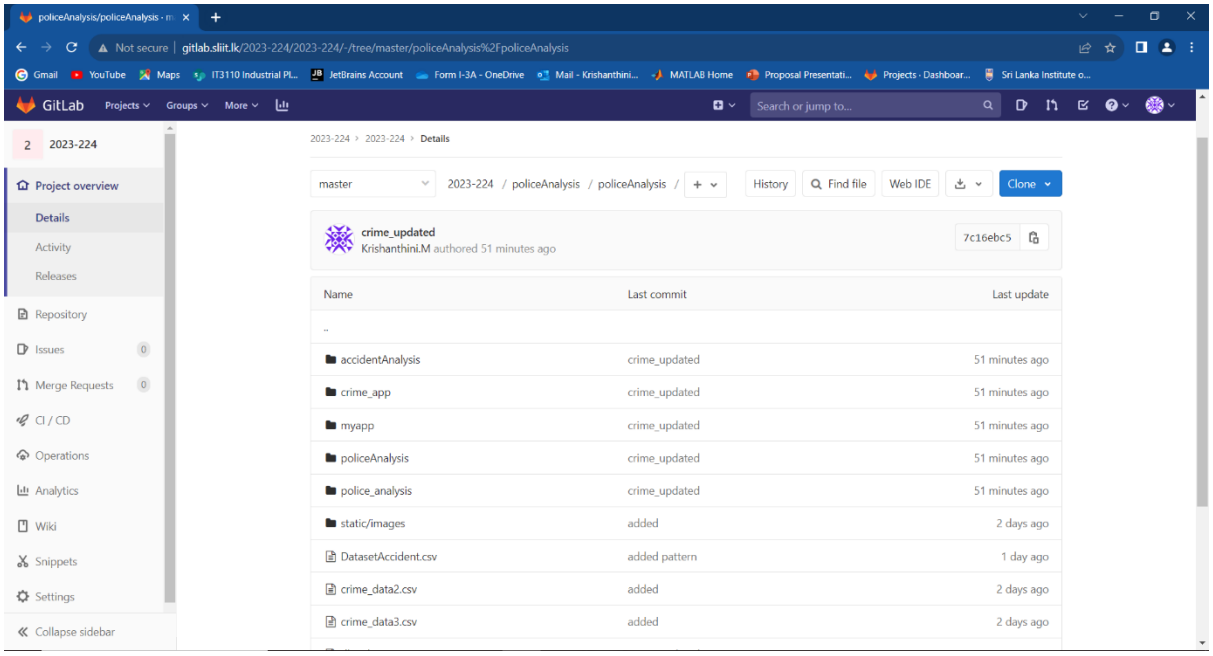
6.Physical Discussions with the Supervisor

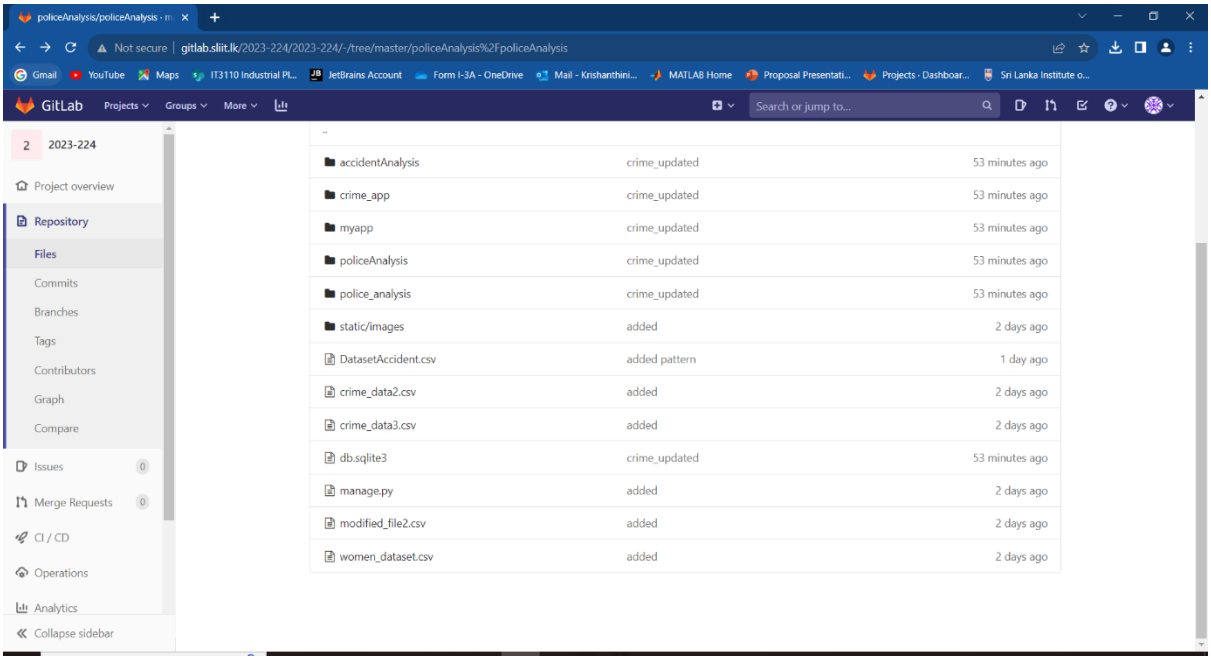
- On 17th of April 2023, we met the Supervisor physically at university and discussed regarding our Proposal Report, main components that must be included in the report was discussed.

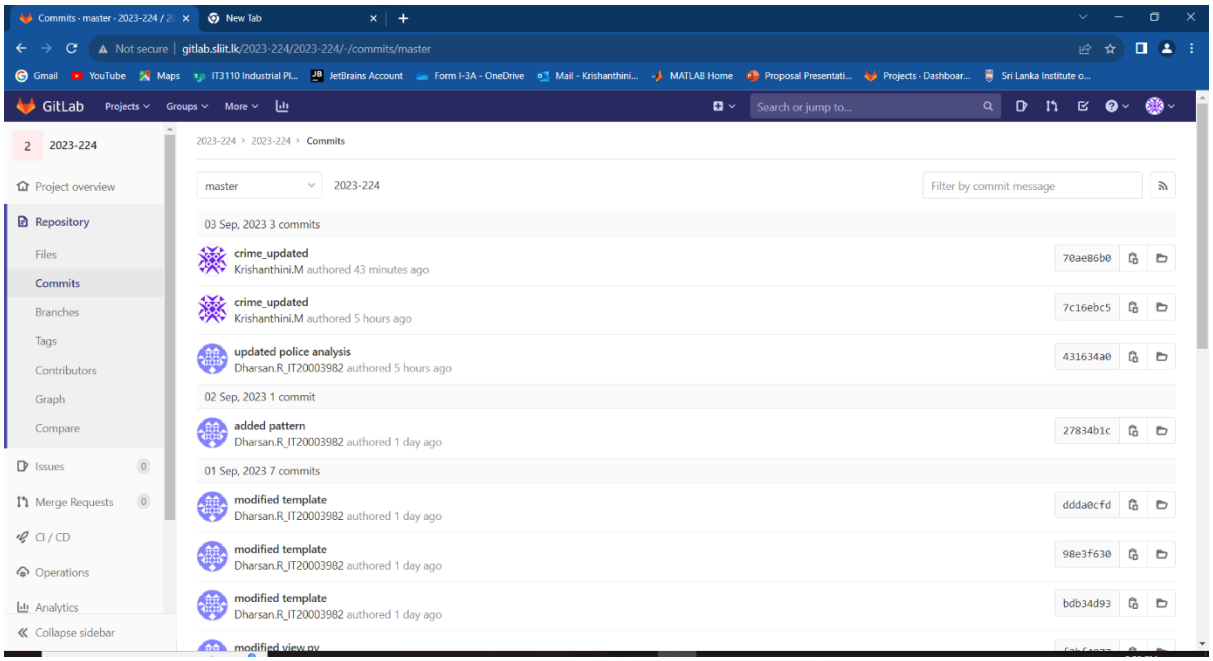
- On 20th of May 2023, we met both the supervisor and the co-supervisor to discuss the first progress presentation PP1. During the meeting we discussed on project report and the most important factors on report.

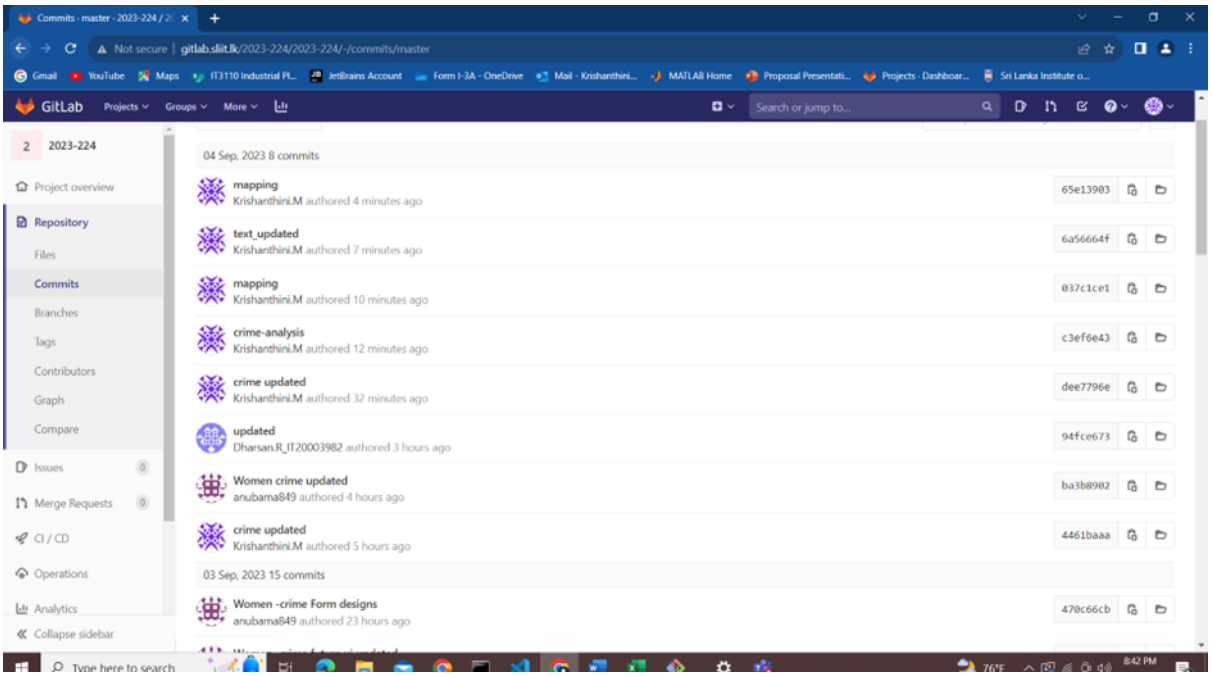
- On 11th of August 2023, we discussed about the extension facts on the research project with the supervisor and the co-supervisor.

7.GIT Lab Commits.






GitLab
2023-224
Project overview
Repository
Files
Commits
Branches
Tags
Contributors
Graph
Compare
Issues
Merge Requests
CI / CD
Operations
Analytics
Collapse sidebar
master
2023-224
03 Sep, 2023 3 commits
crime_updated
Krishanthini.M authored 43 minutes ago
70ae86b0
crime_updated
Krishanthini.M authored 5 hours ago
7c16ebc5
updated police analysis
Dharsan.R_IT20003982 authored 5 hours ago
431634a0
02 Sep, 2023 1 commit
added pattern
Dharsan.R_IT20003982 authored 1 day ago
27834b1c
01 Sep, 2023 7 commits
modified template
Dharsan.R_IT20003982 authored 1 day ago
ddda0cfd
modified template
Dharsan.R_IT20003982 authored 1 day ago
98e3f630
modified template
Dharsan.R_IT20003982 authored 1 day ago
bdb34d93


GitLab
2023-224
Project overview
Repository
Files
Commits
Branches
Tags
Contributors
Graph
Compare
Issues
Merge Requests
CI / CD
Operations
Analytics
Collapse sidebar
04 Sep, 2023 8 commits
mapping
Krishanthini.M authored 4 minutes ago
65e13903
text_updated
Krishanthini.M authored 7 minutes ago
6a56664f
mapping
Krishanthini.M authored 10 minutes ago
037c1ce1
crime-analysis
Krishanthini.M authored 12 minutes ago
c3ef6e43
crime updated
Krishanthini.M authored 32 minutes ago
dee7796e
updated
Dharsan.R_IT20003982 authored 3 hours ago
94fce673
Women crime updated
anubama849 authored 4 hours ago
ba3b8902
crime updated
Krishanthini.M authored 5 hours ago
4461baaa
03 Sep, 2023 15 commits
Women -crime Form designs
anubama849 authored 23 hours ago
470c66cb