

# Multi-Model Approach to Recommend Personalized Music Playlist

TMP – 2023 – 24 - 065

## Status Document – 2

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**Sri Lanka**



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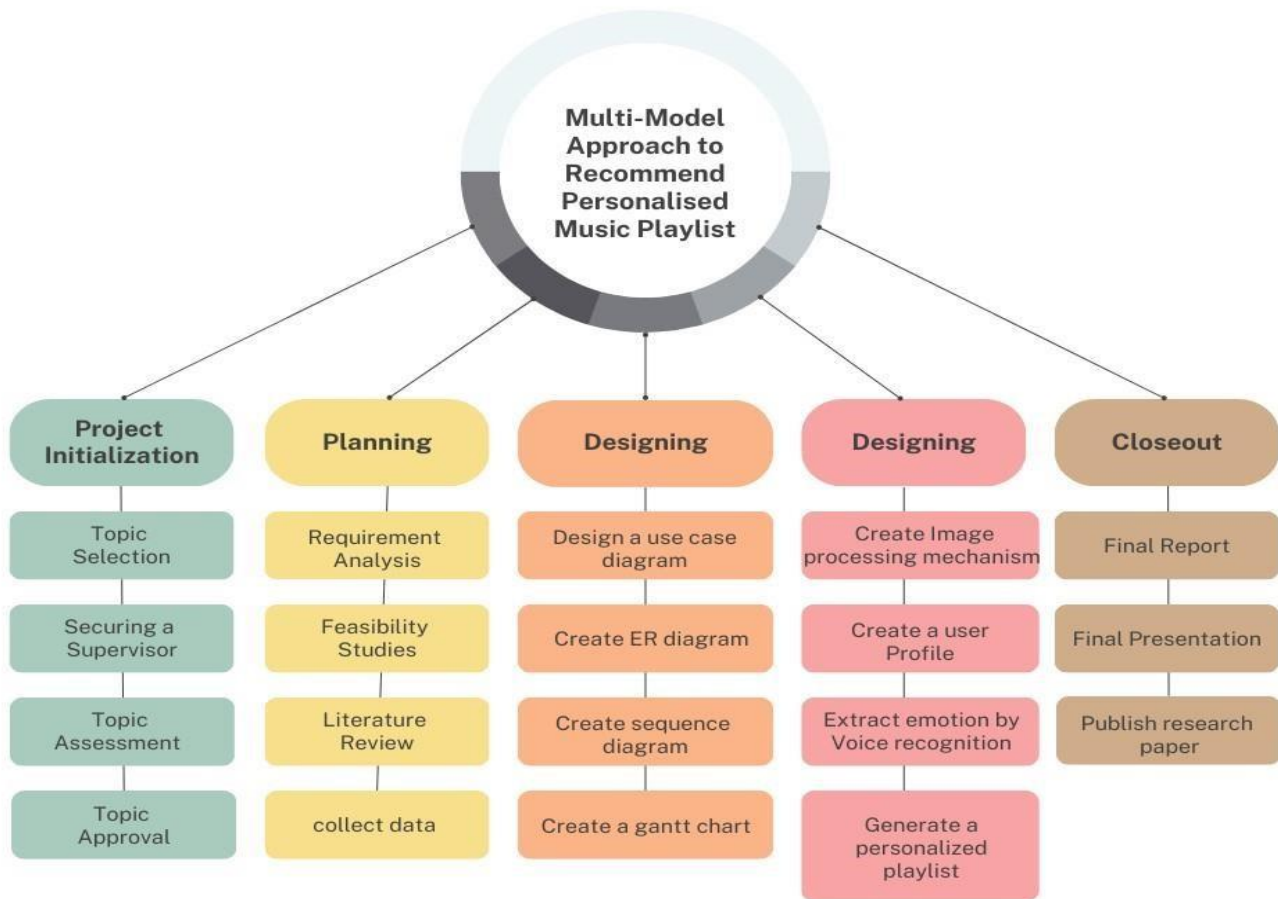
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## Introduction

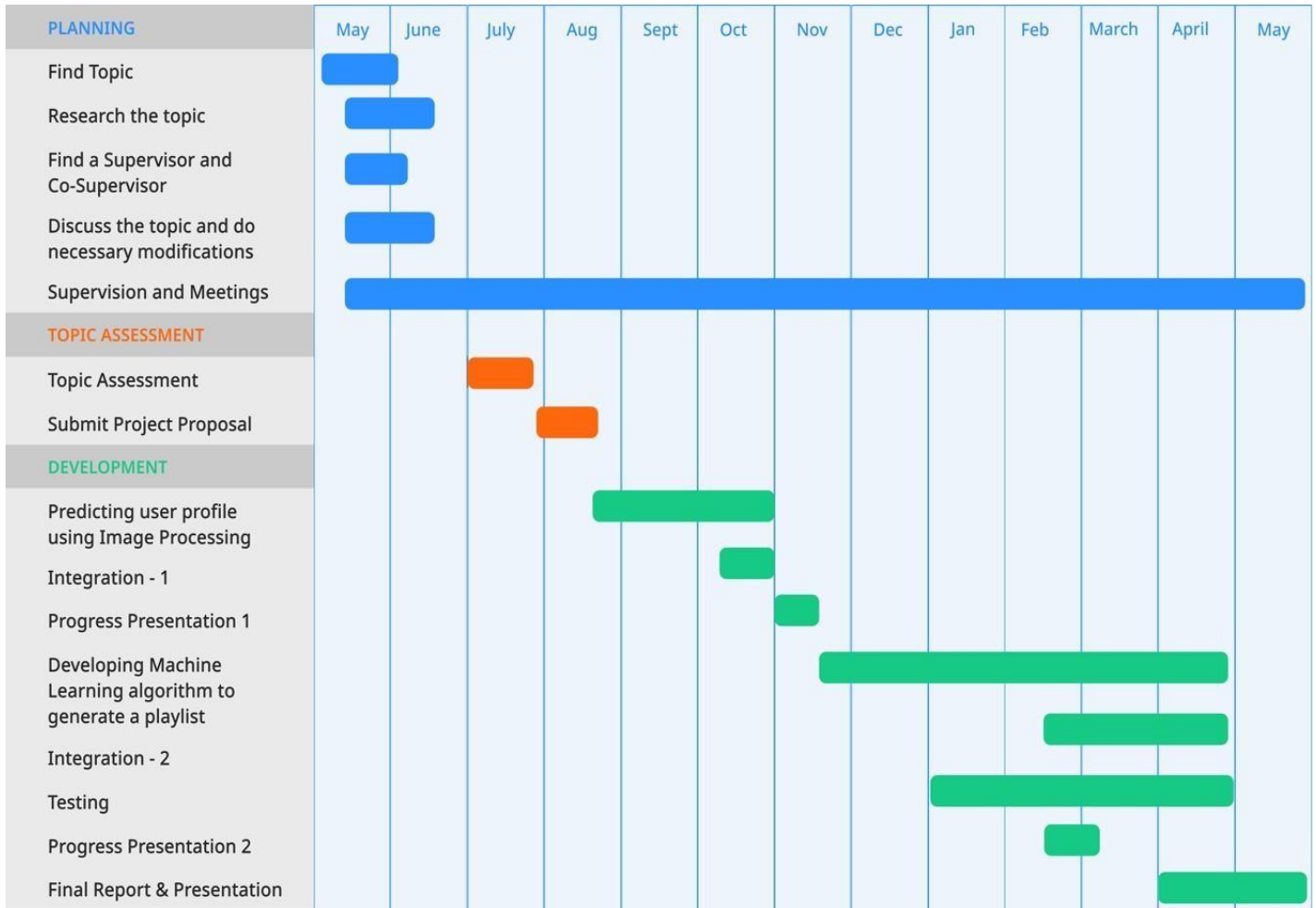
Music recommender systems are essential for helping consumers find new music that suits their tastes and improving their overall music-consuming experiences. The end goal of our research is to implement a new system to provide a personalized music experience to the user. my contribution to the recommender system is to identify post emotional state of the user and based on the emotional state find how much effect our machine-generated playlist to the user. also if the user is not satisfied with the recommendation, based on post emotional state system generate a playlist according to the mood.

This document is prepared to showcase the status of the project along with the proofs with screenshots of the teamwork within the group.

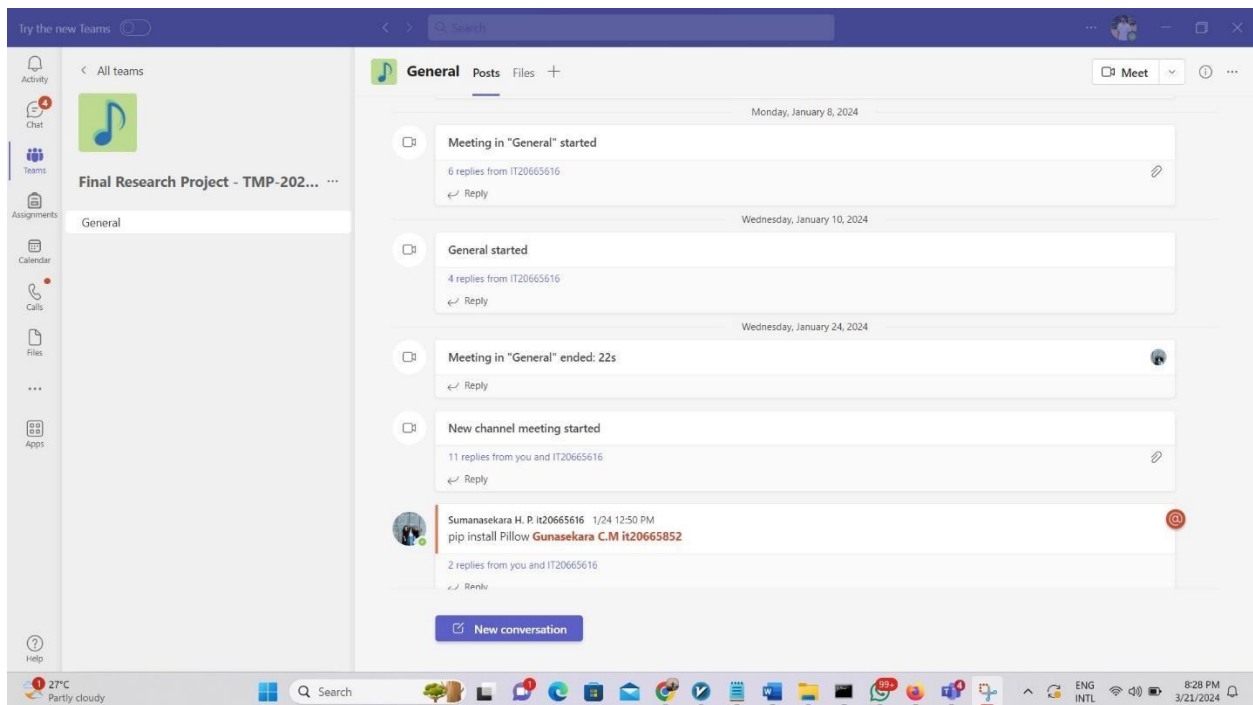
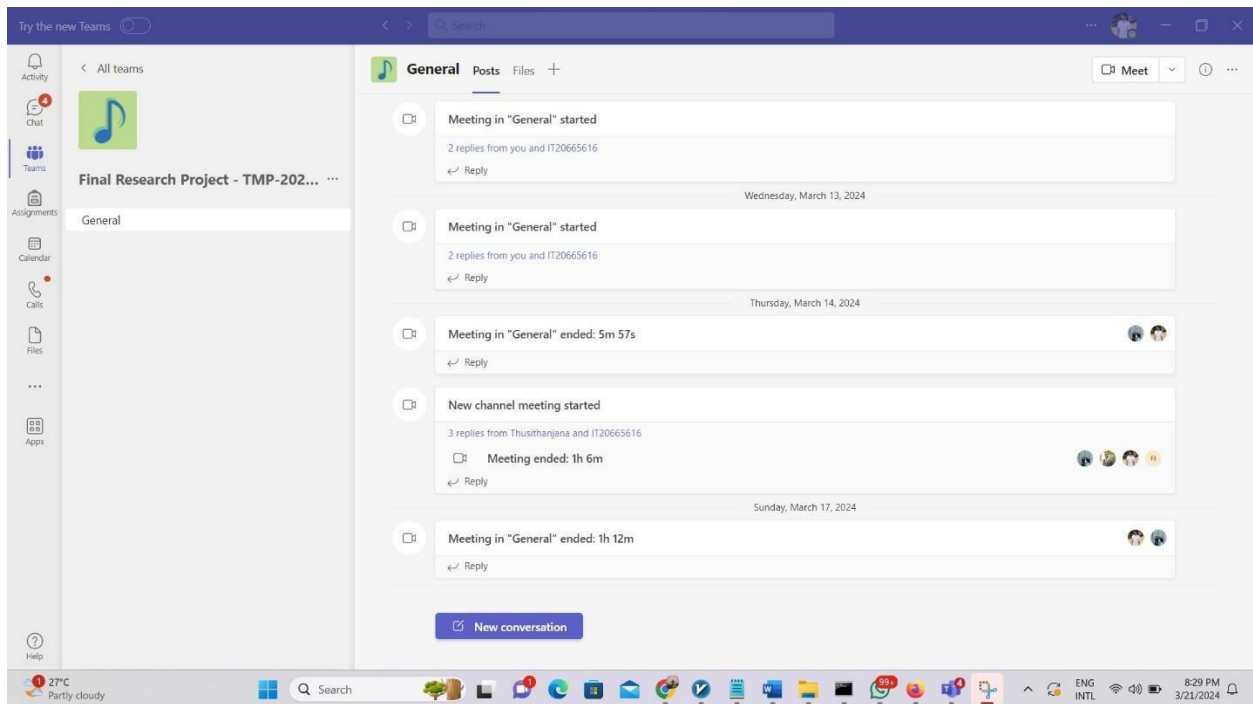
# Work Breakdown Chart

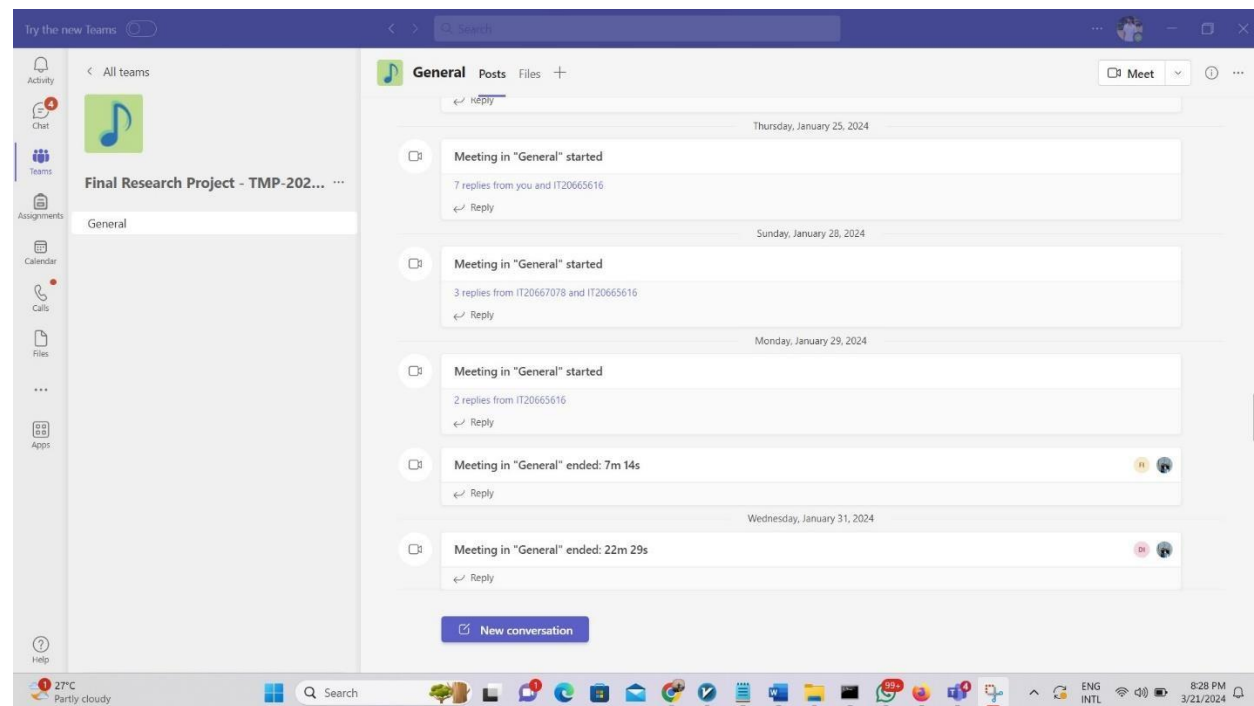
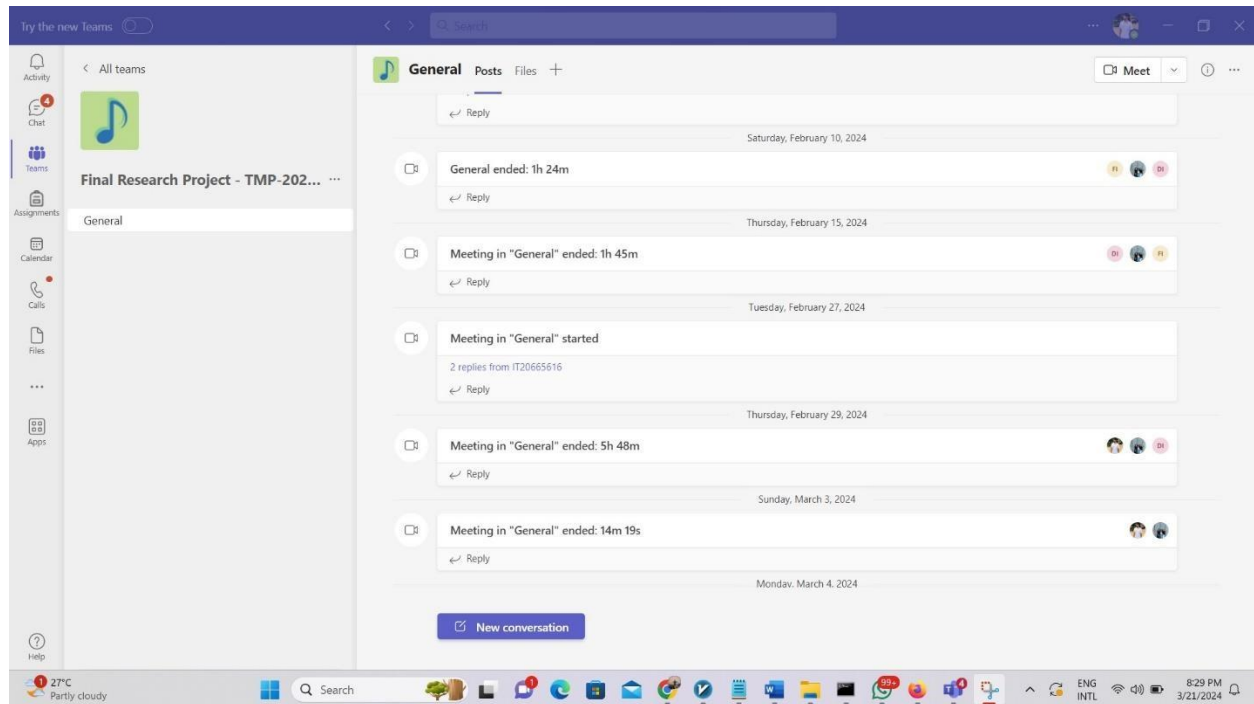


# Gantt Chart

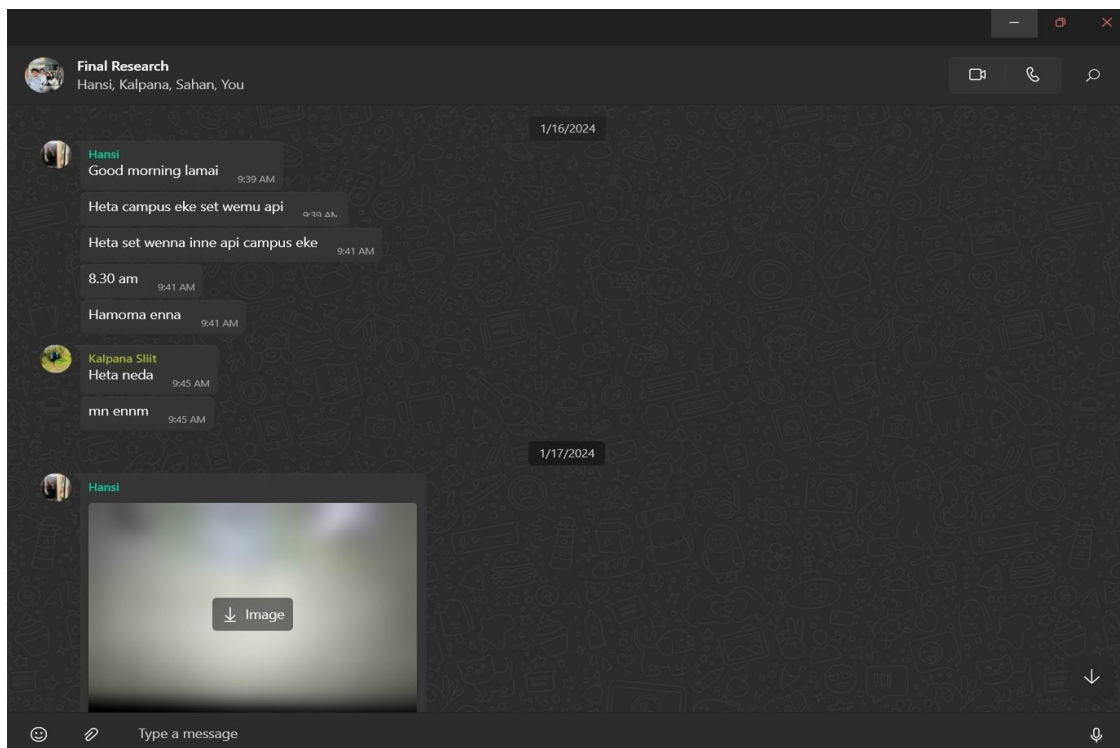
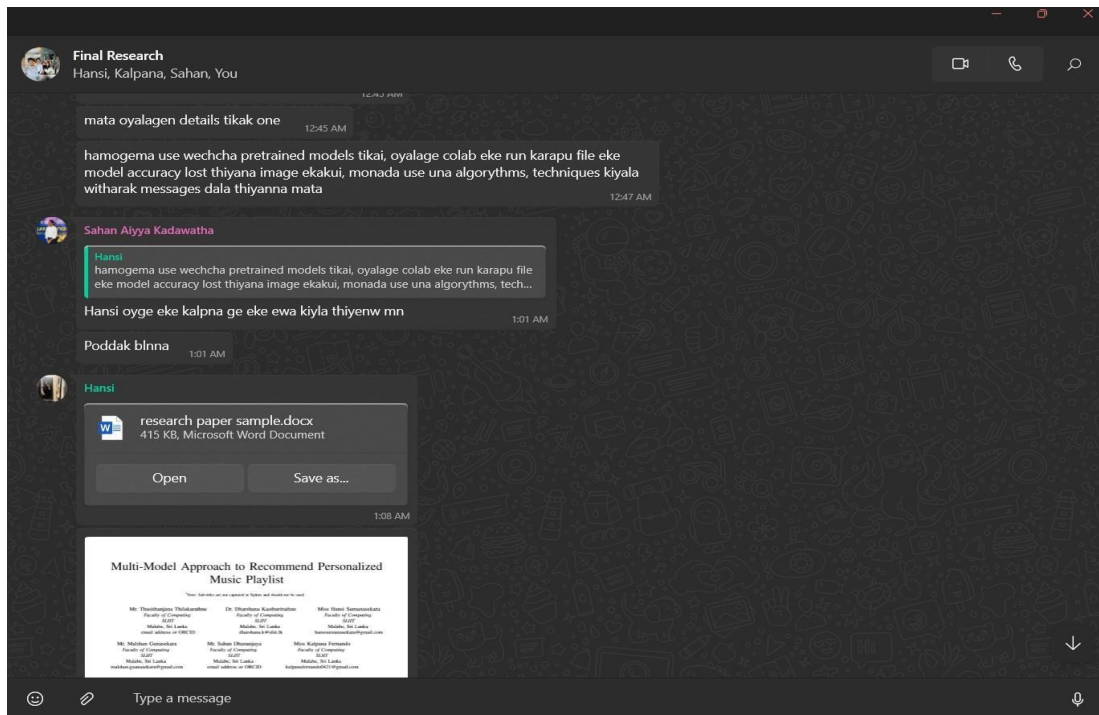


# Continuous Team Collaboration via MS Teams.

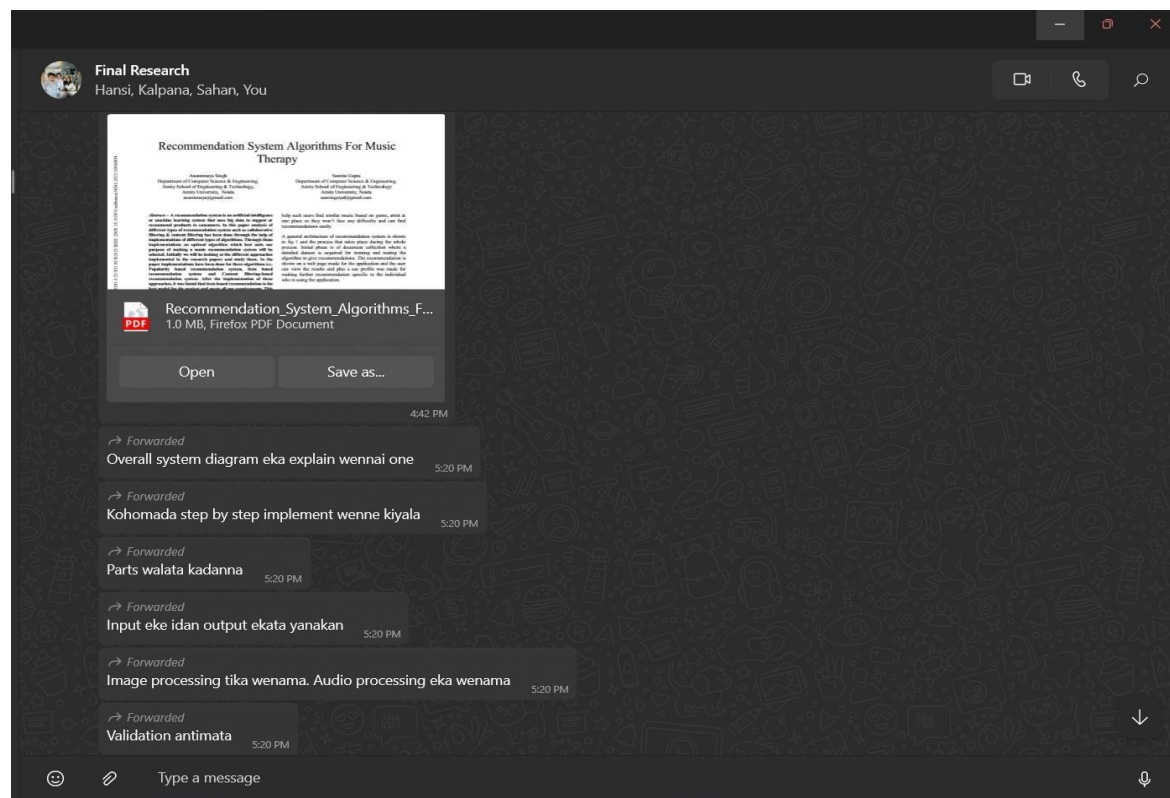
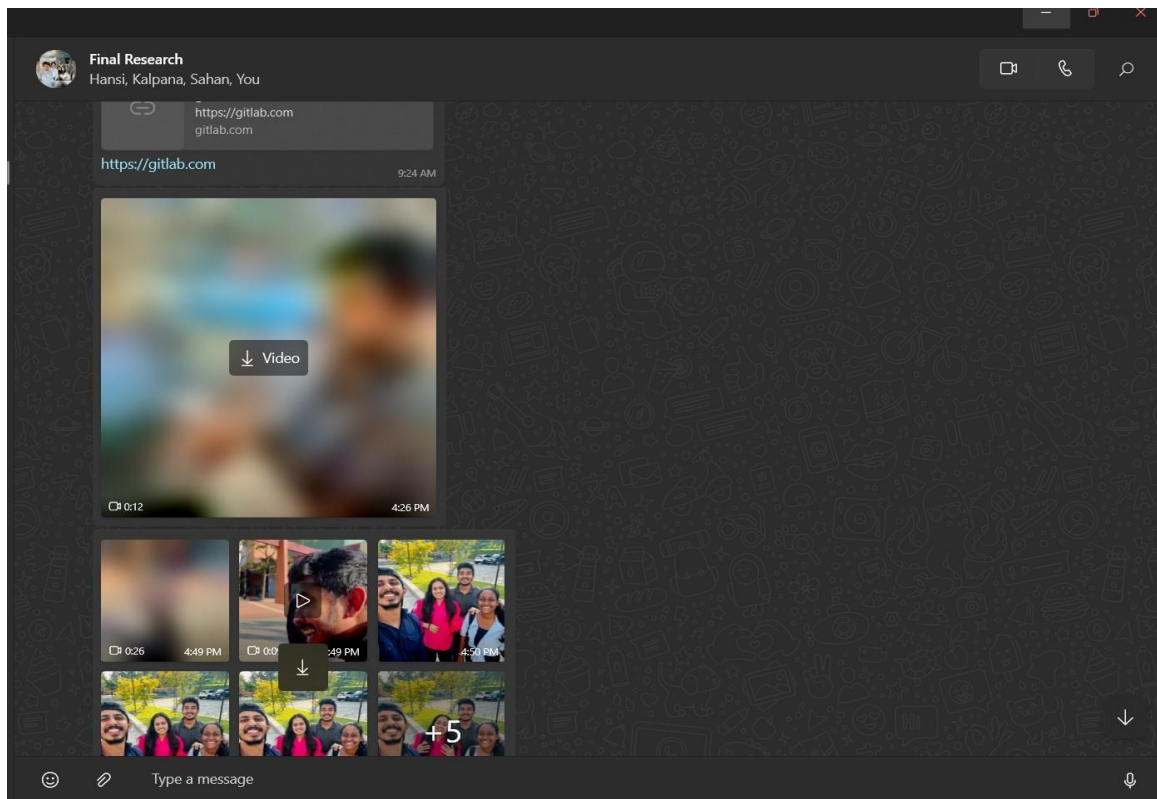




# Sample whatsapp chats





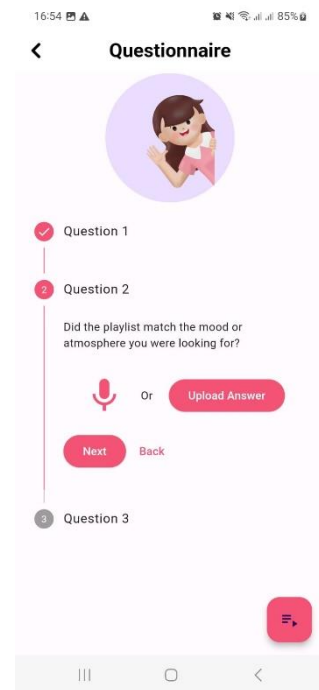
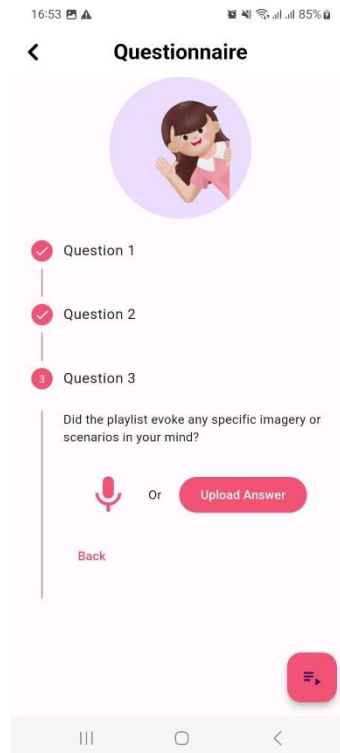
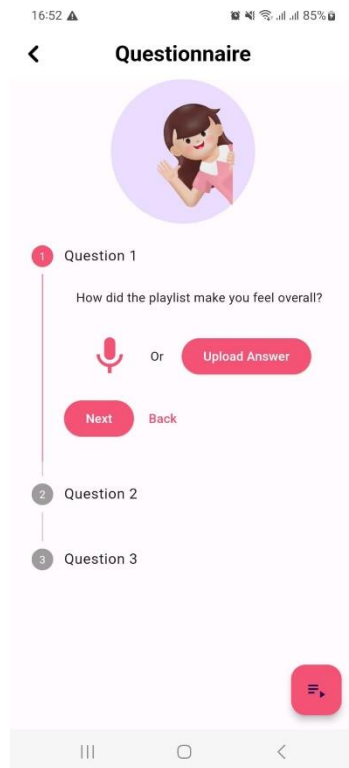


# Team Collaboration and project management via One Drive.

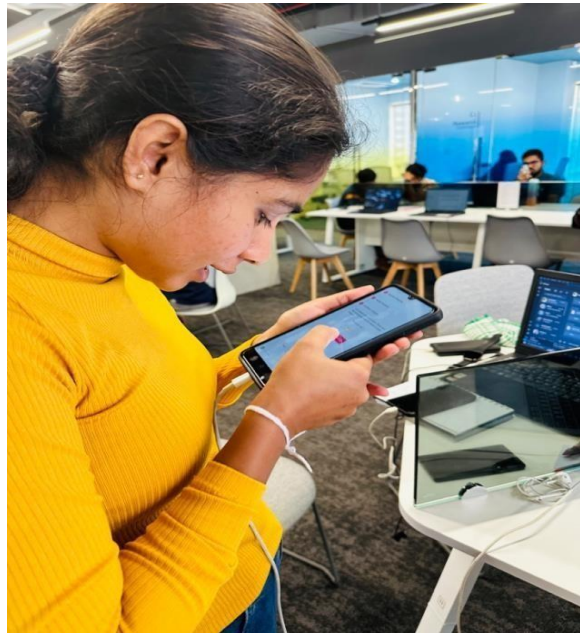
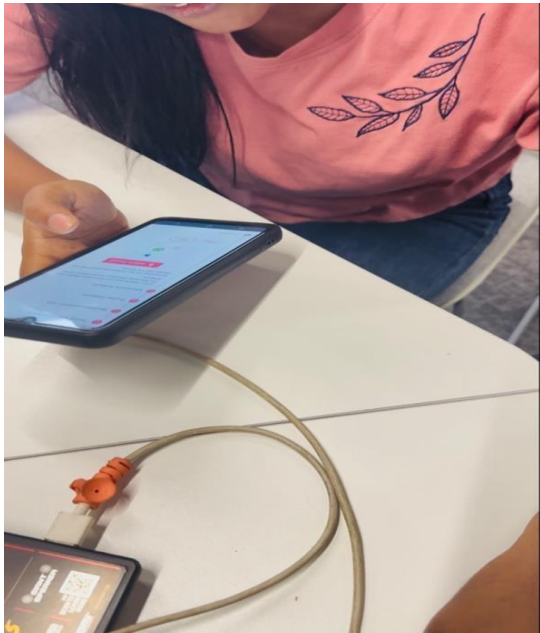
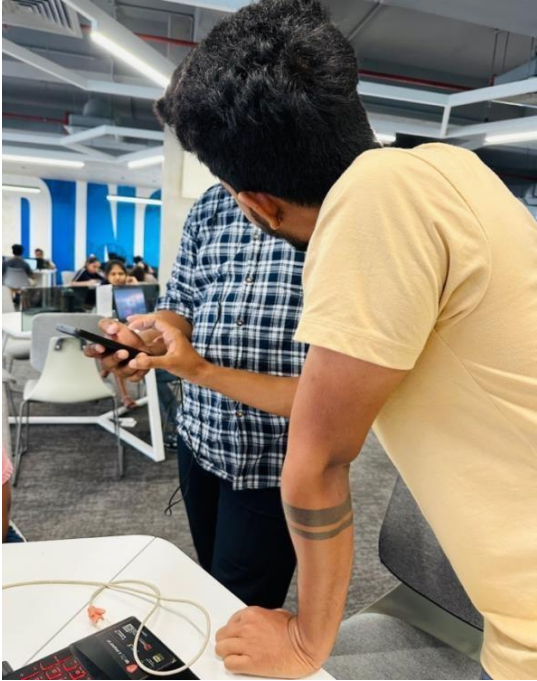
The screenshot displays a web browser window with multiple tabs. The active tab is a OneDrive page. The browser's address bar shows a URL from a SharePoint site. The OneDrive interface includes a left-hand navigation pane with sections like 'Add new', 'Home', 'My files', 'Shared', 'Favorites', 'Recycle bin', 'Browse files by', 'Quick access', and 'More places'. The main content area shows a list of files and folders. The list includes folders like 'ML-Models', 'Mobile app UIs', 'Proposal Reports', 'Sample Images for models', 'Spotify registration steps', 'Status Document - 1', 'Status Document - 2', and 'Upper Batch Project Documents'. It also includes files like 'IT4010-TAF - TMP\_2023\_24\_065 .docx', 'Presentation2.pptx', 'Progress Presentation 01 TMP-23-159.pptx', 'Progress Presentation 2 (TMP - 2023 -24 -0...', and 'research paper sample.docx'. Each item in the list shows its name, last modified date, owner, size, and sharing status.

Item Name	Last Modified	Owner	Size	Sharing Status
ML-Models	February 2	Sumanasekara H. P. it2	19 items	Shared
Mobile app UIs	About a minute ago	Sumanasekara H. P. it2	9 items	Shared
Proposal Reports	August 23, 2023	Guest Contributor	7 items	Shared
Sample Images for models	6 days ago	Sumanasekara H. P. it2	3 items	Shared
Spotify registration steps	March 13	Sumanasekara H. P. it2	6 items	Shared
Status Document - 1	A few seconds ago	Sumanasekara H. P. it2	10 items	Shared
Status Document - 2	A few seconds ago	Sumanasekara H. P. it2	3 items	Shared
Upper Batch Project Documents	July 28, 2023	Sumanasekara H. P. it2	0 items	Shared
IT4010-TAF - TMP_2023_24_065 .docx	July 29, 2023	Gunasekara C.M it206	191 KB	Shared
Presentation2.pptx	March 12	Dhananjaya W.K.S it20	11.2 MB	Shared
Progress Presentation 01 TMP-23-159.pptx	March 13	Sumanasekara H. P. it2	16.7 MB	Shared
Progress Presentation 2 (TMP - 2023 -24 -0...	Monday at 12:49 AM	Sumanasekara H. P. it2	42.2 MB	Shared
research paper sample.docx	March 13	Sumanasekara H. P. it2	409 KB	Shared

# User Interfaces of the 'MeloWave' Mobile Application.



## Field testing





## App testing feedbacks

2 respondents (18%) answered **Bandara** for this question.

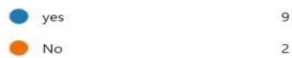
**Bandara**

Thabitha  
Kalpana  
Sohan Bandara  
Sadeep Bandara  
Kalana Sithum  
Hansi  
Isuru  
Charith Anjana  
Chapa Madhavee  
Tharushi

2. Is your gender predicted correctly?

[More Details](#)

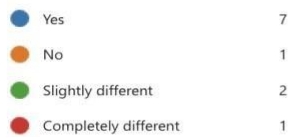
[Insights](#)



4. Is your surrounding predicted correctly?

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5. Is your emotion state predict correctly?

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6. Generate accurate playlist based on your current emotion state ?

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