

Minutes of Project Meetings:

Meeting #1

Date: 13 March 2025

Time: 9:50 P.M.

Venue: Google Meet

Attendees: Saher Dev, Arnav Kataria, Vaibhav Garg, Tanisha Sonkar, Swayam

Discussion points:

Spotify Data Extraction from each member was discussed, a due date which is 17 March for data collection by all members was discussed, It was preferred that each member extracts its own data to train the model than the spotify's dataset provided by kaggle.

Action item:

Tanisha Sonkar (B23EE1074) and Arnav Kataria (B23EE1084) will be working on the frontend. Saher Dev (B23CS1059) and Vaibhav Garg (B23CM1046) will be working on the report. Swayam (B23EE1073) will be working on the video recording. Every member will be working on Data Extraction and Data Preprocessing.

Written by: B23CS1059(Saher Dev)

Meeting#2

Date: 18 March 2025

Time: 11 P.M.

Venue: CC Lab

Attendees: Saher Dev, Arnav Kataria, Vaibhav Garg, Tanisha Sonkar, Swayam

Discussion points:

Reviewed the previous tasks and decided on recommending songs based on users history, sentiments of their choice i.e. happy/sad ,or sent with a choice in language of Hindi or English.

Action item:

Tanisha Sonkar (B23EE1074) and Arnav Kataria (B23EE1084) have started working on the frontend. Saher Dev (B23CS1059), Swayam (B23EE1073) and Vaibhav Garg (B23CM1046) have decided the workflow and assigned themselves to explore and work on different methods to recommend music i.e. K Means, DBSCAN, Similarity and KNN.

Written by: B23CS1059(Saher Dev)

Meeting#3

Date: 22 March 2025

Time: 10 P.M.

Venue: CC Lab

Attendees: Saher Dev, Arnav Kataria, Vaibhav Garg, Tanisha Sonkar, Swayam

Discussion points:

Implementation of CNN and getting study material to apply the algorithm to our model.

Action item:

Tanisha Sonkar (B23EE1074) and Arnav Kataria (B23EE1084) have completed 80% of the frontend. Saher Dev (B23CS1059) has implemented the KMeans algorithm, Swayam (B23EE1073) has implemented the KNN algorithm and Vaibhav Garg (B23CM1046) has preprocessed the entire dataset, removing non-deterministic features.

Written by: B23CS1059(Saher Dev)

Meeting#4

Date: 25 March 2025

Time: 10:30 P.M.

Venue: CC Lab

Attendees: Saher Dev, Arnav Kataria, Vaibhav Garg, Tanisha Sonkar, Swayam

Discussion points:

Reviewed the previous tasks and discussed the various ways to approach the problem. Discussion on whether sentiments can be integrated as a parameter.

Action item:

Tanisha Sonkar (B23EE1074) and Arnav Kataria (B23EE1084) have started researching on CNN. Saher Dev (B23CS1059), Swayam (B23EE1073) and Vaibhav Garg (B23CM1046) are working on implementing their respective algorithms.

Written by: B23CS1059(Saher Dev)

Meeting#5

Date: 30 March 2024

Time: 11 P.M.

Venue: CC Lab

Attendees: Saher Dev, Arnav Kataria, Vaibhav Garg, Tanisha Sonkar, Swayam

Discussion points:

Reviewed the previous tasks and organised online references to work on connecting the frontend to the backend.

Action item:

Tanisha Sonkar (B23EE1074) and Arnav Kataria (B23EE1084) have completed the front-end. Saher Dev (B23CS1059) and Vaibhav Garg (B23CM1046) made the Mid Project Report. Swayam (B23EE1073) implemented the DBSCAN.

Written by: B23CS1059(Saher Dev)

Meeting#6

Date: 2 April 2025

Time: 9:30 P.M.

Venue: Google Meet

Attendees: Saher Dev, Arnav Kataria, Vaibhav Garg, Tanisha Sonkar, Swayam

Discussion points:

Finalized architecture and discussed APIs for recommendation flow.

Action item:

Tanisha and Arnav started frontend-backend integration. Saher and Swayam tuned parameters for KMeans and KNN. Vaibhav analyzed DBSCAN metrics.

Written by: B23EE1084 (Arnav Kataria)

Meeting#7

Date: 3 April 2025

Time: 10:15 P.M.

Venue: CC Lab

Attendees: Saher Dev, Arnav Kataria, Vaibhav Garg, Tanisha Sonkar, Swayam

Discussion Points:

Introduced Spotify API integration for accessing playlist metadata and audio features.

Action Items:

Tanisha and Arnav added mood/language filters in the frontend using Spotify API data. Saher worked on integrating Spotify API endpoints. Swayam and Vaibhav mapped cluster outputs with Spotify's audio feature data.

Written by: B23EE1084 (Arnav Kataria)

Meeting#8

Date: 4 April 2025

Time: 10:00 P.M.

Venue: CC Lab

Attendees: Saher Dev, Arnav Kataria, Vaibhav Garg, Tanisha Sonkar, Swayam

Discussion points:

Discussed edge cases in recommendations and fallback strategies.

Action item:

Frontend now has a playlist and liked songs page to increase the functionality and make the website user friendly as well as real world based. Backend updated to prioritize recency and popularity. Testing initiated.

Written by: B23EE1084 (Arnav Kataria)

Meeting#9

Date: 6 April 2025

Time: 9:00 P.M.

Venue: Google Meet

Attendees: Saher Dev, Arnav Kataria, Vaibhav Garg, Tanisha Sonkar, Swayam

Discussion points:

Integrated all modules. Debugging issues in recommendations and UI interactions.

Action item:

Resolved cluster labeling bugs. Audio player synced with recommended results using pickle format codes enabling the frontend connect with the backend results. Team began preparing presentation materials.

Written by: B23EE1084 (Arnav Kataria)

Meeting#10

Date: 7 April 2025

Time: 10:00 P.M.

Venue: CC Lab

Attendees: Saher Dev, Arnav Kataria, Vaibhav Garg, Tanisha Sonkar, Swayam

Discussion points:

UI polish and feature freeze. Discussed final report formatting.

Action item:

Tanisha and Arnav finalized animations and responsiveness. Saher and Vaibhav finalized the report layout. Swayam prepared a script for a demo video.

Written by: B23EE1084 (Arnav Kataria)

Meeting#11

Date: 8 April 2025

Time: 10:30 P.M.

Venue: Google Meet

Attendees: Saher Dev, Arnav Kataria, Vaibhav Garg, Tanisha Sonkar, Swayam

Discussion points:

Final integration test and dry run.

Action item:

Debugged final issues. Report completed. Video walkthrough recorded. Prepared all documentation.

Written by: B23EE1084 (Arnav Kataria)

Meeting#12

Date: 10 April 2025

Time: 9:00 P.M.

Venue: CC Lab

Attendees: Saher Dev, Arnav Kataria, Vaibhav Garg, Tanisha Sonkar, Swayam

Discussion points:

Final review of all work. Prepared submission materials.

Action item:

All files submitted. Code pushed to GitHub. Presentation and documents zipped and shared.

Written by: B23EE1084 (Arnav Kataria)
