

DPA Project – Plan & Detail (CSP 571)

Group Members:

- 1) Mohana uma sushmanth Penumarthi - A20525576
- 2) Vinnapala Sai Ramya - A20526253
- 3) Harini Vaidya - A20525926

Task	Sub task	Due Date	Assigned To	Status
Meeting 1 (02/16/2024)				
Problem Statement	Brainstorming the problem ideas	02/17/2024	All	Completed
	Project - Group & Topic Submission	02/18/2024	All	Completed
Meeting 2 (02/20/2024)				
Data Gathering	Collected two datasets from official IMDB	02/25/2024	Mohan	Completed
Data preparation	Description of data	02/28/2024	Ramya	Completed
	Importing the data	02/28/2024	Harini	Completed
	Merging the datasets	03/03/2024	Mohan	Completed
	Exploring the features of the dataset	03/03/2024	All	Completed
Meeting 3 (03/07/2024)				
	Filtering the required features	03/10/2024	Harini	Completed
	Handling the null values	03/11/2024	Ramya	Completed

Data Cleaning	Transforming the features data types	03/13/2024	Ramya	Completed
	Normalizing data	03/16/2024	Mohan	Completed
Data Exploration / Visualization	Average ratings for each genre	03/26/2024	Mohan	Completed
	Frequency of ratings	03/26/2024	Mohan	In Progress
	Average Runtime for each genre	03/26/2024	Mohan	In Progress
	Highest number of votes	03/28/2024	Ramya	In Progress
	Top-rated movies belong to specific genres	03/28/2024	Ramya	In Progress
	Distribution of votes	03/28/2024	Ramya	In Progress
	Kind of movies are most produced in yearly based	03/30/2024	Harini	In Progress
	Sort of movies classified as adult content	03/30/2024	Harini	In Progress
	Average rating given by each user	03/30/2024	Harini	In Progress
	Top-rated movies in terms of avg rating & Number of votes	04/01/2024	Ramya	In Progress
	Correlation between runtime and average ratings	04/01/2024	Mohan	In Progress
	Correlation between average rating and number of votes	04/01/2024	Harini	In Progress
Meeting 4 (04/02/2024)				
	Define train and test set	04/03/2024	Ramya	Future Work

Model Development	Building the Regression to Understand Relationships	04/05/2024	Harini	Future Work
	Building the KNN to predict ratings	04/07/2024	Mohan	Future Work
	Fitting the model	04/09/2024	Mohan	Future Work
	Optimize the model	04/09/2024	Ramya	Future Work
Model Evaluation	Predicting the ratings	04/11/2024	Harini	Future Work
	Evaluating the recommendations	04/12/2024	Harini	Future Work
	Use evaluation metrics	04/14/2024	Ramya	Future Work
	Calculating Accuracy	04/14/2024	Mohan	Future Work
	Precision, Recall, F1 score	04/14/2024	Mohan	Future Work
Meeting 5 (04/16/2024)				
Documentation	Preparing final Report	04/18/2024	All	Future Work
	Preparing final Presentation ppt	04/20/2024	All	Future Work

