**Capstone Project Submission**

**Instructions:**

i) Please fill in all the required information.

ii) Avoid grammatical errors.

| **Team Member’s Name, Email and Contribution:** |
| --- |
| 1. Ghanshyam Menariya   Email id : ghanshyammenariya50@gmail.com  Contribution :   * Contributed In notebook helped with data cleaning, data manipulation, and in EDA Visualization * Contributed for the contents of PPT. * Contributed in Technical Documentation in content of problem statement goal of project and steps involved. * more Focused Topic :   1. Cleaning and Validate Data  2. Remove Duplicates  3. Convert KB to Mb  4. Clean Data Columns  5. Count of Application In Each Category differentiated by their  Type  6. Distribution of App Rating  7. Top 20 genres  8. Number of Installed applications for each category  9. work on making PPT of Project  10. Editing in Project presentation Video.  2) Brijesh R. Patel  Email Id : [brp16793@gmail.com](mailto:brp16793@gmail.com)  Contribution :   * Contributed In notebook helped with data cleaning, data manipulation, and in EDA Visualization * Contributed for the contents of PPT. * Contributed in Technical Documentation in content of problem statement goal of project and steps involved. * more Focused Topic:   1. Count of applications for each Category  2. Content type have most reting and type  3. distribution of type of reviews, category wise in the dataset  4. Distribution of App Size  5. Distribution of Subjectivity  6. Representing Percentage of Review Sentiments  7. Conclusion.  8. ProjectSummary  9. Technical document of Play Store App Review Analysis |
| **GitHub Repo link.** |
| Github Link:-   1. Ghanshyam Menariya : <https://github.com/ganny55/play-store-review.git> 2. Brijesh R. Patel : https://github.com/brpatel24/play-store-app-reviews-analysis |
| **Please write a short summary of your Capstone project and its components. Describe the problem statement, your approaches and your conclusions. (200-400 words)** |
| The analysis of Google Play Store applications aided to build most reliable and more interactive applications. This would be very useful for app developers to build an application focused on certain discussed category in this analysis. This analysis will help in building the application with precise and accurate objectives.  In the initial phase, we focused on the problem statements and data cleaning. Our major challenge was data cleaning, In Data Cleaning, removing unnecessary characters, removing duplicates, converting KB to MB and removing NAN values.  With the cleaned data, we have performed Exploratory Data Analysis to understand our dataset like Number of Installed applications for each category, Distribution of App Rating, Number of Installed applications for each category, Count of applications for each Category, Content type have most rating and type, distribution of type of reviews, category wise in the dataset, Distribution of App Size, Distribution of Subjectivity and Representing  Percentage of  Review Sentiments.  It was found that Most of the apps that are present on the google play store have ratings in between 4 and 5.Also it was observed that Maximum number of applications present in the dataset are of small size.  We found the most popular category of apps on the basis of Number of Installs, ‘Family’ wins in former criteria whereas ‘Beauty' wins in later criteria.  Most of the reviews are of Positive Sentiment, while Negative and Neutral have low number of reviews.  The dataset contains possibilities to deliver insights to understand customer demands better and thus help developers to popularize the product. Dataset can also be used to look whether the original ratings of the app matches the predicted rating to know whether the app is performing better or worse compared to other apps on the Play Store. |