**Google Play Store App launch Study**

**Complete project Requirement Specification**

**A leading software development and distribution firm ,that helps individuals /Firms in designing and launching commercially viable mobile apps has conducted a survey of the user download behaviour on the apps across all categories on the Google play store. They also have pursued the user review for the contents that the users have downloaded and used over a period of time. The databases for both the survey results have been provided for further study. The Company aims to take crucial decisions before their future launches on play store based on the results provided by the research analysts. The company is looking for at least the following insights from the data analysis,**

1. **What is the percentage download in each category on the play store?**
2. **How many apps have managed to get the following number of downloads**
3. **Between 10,000 and 50,000**
4. **Between 50,000 and 150000**
5. **Between 150000 and 500000**
6. **Between 500000 and 5000000**
7. **More than 5000000**
8. **Which category of apps have managed to get the most, least and an average of 2,50,000 downloads at least.**
9. **Which category of apps has managed to get the highest maximum average ratings from the users?**
10. **What is the download trend category wise over the period for which the data is being made available?**
11. **For the years 2016, 2017, 2018 what are the category of apps that have got the most and the least downloads. What is the percentage increase or decrease that the apps have got over the period of three years?**
12. **All those apps , whose android version is not an issue and can work with varying devices ,what is the percentage increase or decrease in the downloads.**
13. **All those apps who have managed to get over 1,00,000 downloads, have they managed to get an average rating of 4.1 and above? And we conclude something in co-relation to the number of downloads and the ratings received.**
14. **Which of all the apps given have managed to generate the most positive and negative sentiments? Also figure out the app which has generated approximately the same ratio for positive and negative sentiments.**
15. **Generate an interface where the client can see the reviews categorized as Positive, Negative and Neutral, once they have selected the app from a list of apps available for the study.**
16. **Is it advisable to launch an app like ’10 Best foods for you’? Do the users like these apps?**
17. **Which month(s) of the year, is the best indicator to the average downloads that an app will generate over the entire year?**
18. **Provide an interface to add new data to both the datasets provided.**

**NOTE : Add at least two Unique additional feature to your design /Analysis that can help the client with a better insight into something that they might have not even thought of.**

**Important Instructions**

1) The Complete design has to be GUI based.

2) The application has to be Simple to use and powerful at the same time.

3) The colour combination and layout designing has to be soothing,

4) It should cover all the requirements mentioned in the requirement specifications.

5) It should generate non ambiguous results.

6) Any additional feature and insight is highly appreciated.

7) Exhaustive use of data visualization tools is expected.

8) If any assumptions are made or formulae are used, they have to be specified explicitly.