**Capstone Project Submission**

**Instructions:**

i) Please fill in all the required information.

ii) Avoid grammatical errors.

| **Team Member’s Name, Email and Contribution:** |
| --- |
| Akash Kumar – [akashislimit@gmail.com](mailto:akashislimit@gmail.com)  Kunal Kamble – kunalkamble1097@gmail.com  Abinash Kanungo – abinashkng0@gmail.com  Zueb Ansari - aligzueb@gmail.com |
| **Please paste the GitHub Repo link.** |
| Github Link:- https://github.com/abinashkng/Capstone-EDA |
| **Please write a short summary of your Capstone project and its components. Describe the problem statement, your approaches and your conclusions. (200-400 words)** |
| We used the dataset that contains data about hotel bookings.  We cleaned and preprocessed the data and then we performed the exploratory data analysis to extract information from the data to answer the following questions.  **1. What types of hotels are in the market and how many numbers of hotels in each type?**  **2. How Many bookings were canceled for different types of hotels?**   * **Year wise comparison of booking of hotels.**   **3. Which is the busiest month for hotels ?**   * **Now we will check comparatively for both types of hotels which month is busiest.**   **4. Which was the most booked accommodation type (Single, Couple, Family)?**  **5. Which type of meal is booked ?**  **6. From which country most guests come?**  **7. Which type of market segment is used for booking hotels ?**  **8. How much do guests pay per night for each type of room ?**   * **Assigned room type**   We learned that   * According to this analysis, the number of City hotels comparatively more than Resort hotels. Resort Hotels tend to be on the expensive side and most people will just stick with city hotels. * City hotel bookings are more canceled than resort hotels. * In 2016 most guests visited both types of hotels compared to other years. * August is the busiest month for hotels,which means August has the most number of bookings. * August is the busiest month for both types of hotels. * Couples(No Children) have the most number of bookings. * BB i.e. Bed & Breakfast is most preferable meal type of the guests which is 77.4% * Most of the guests come from PRT i.e. Portugal. * Guests use most online TA market segments for hotels booking. * 'G' category rooms of city hotels are much costlier than others. * 'A' type rooms are the most assigned room type among all. |

ROLES AND RESPONSIBILITIES :

THE PROJECT “HOTEL BOOKING ANALYSIS” CONSISTS OF FOUR MEMBERS MENTIONED BELOW;

1. AKASH SINGH

2. KUNAL KAMBLE

3. ZUEB ANSARI

4. ABINASH KANUNGO

AKASH SINGH - We first decided to take up this project solely due to our mutual interest in HOTEL BOOKING ANALYSIS then after group discussion we all agreed to make an individual google colab notebook so that the we can see the amount of creativity an individual has, I started working on the colab notebook. first, we go through all the data that is given all the columns after working few days on project we discussed what things should be add in teams colab notebook , so that’s how we made our TEAMS COLAB NOTEBOOK

The editing part was all done by me in google colab,merging and all the stuff we do to create our google colab worth it .

KUNAL KAMBLE - Initially I started with looking at each database available to us for the HOTEL BOOKING ANALYSIS it was not huge data but it was our first project and we all were so excited to do it.We go through the data try to understand it , we actually did lot of group discussions on how to work as team to make our project more creative, Since teams colab was ready I made some small changes in colab like adding an image, introduction and so on, it looks somewhat different and attractive , then I prepare a summary of colab my team members helped me while doing so

It was a great feeling as we completed the project and I learnt so much from my team members.

ZUEB ANSARI – It’s my first project HOTEL BOOKING ANALYSIS as soon as we are ready with the google colab I started working on the presentation.It actually holds the information that we have collected from the google colab whenever there is problem my team members helped me making the presentation more attractive and decent, I learnt many things from my team members it was actually great experience.

ABINASH KANUNGO –. I started working on this project but first I took some time to understand it as soon as we done with colab then I helped Zueb making presentation which consists of the summary of colab and much more, we discussed a lot of things while making a presentation, since this is our first project, we faced lot of issue but as a team we able to encounter all the problems.