**Capstone Project Submission**

**Instructions:**

i) Please fill in all the required information.

ii) Avoid grammatical errors.

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| **Team Member’s Name, Email and Contribution:** |
| Name- Sakshi Chaturvedi  [Email-sakshichaturvedi0207@gmail.com](mailto:Email-sakshichaturvedi0207@gmail.com)  Contribution: -  1. Importing all the important libraries.  2. Importing data from the local drive.  3. Understanding the dataset (like shape, head, data information)  4. Removing the null values and duplicates.  5. Prepared the Presentation.  6. Contributed in Technical documentation.  7. Data pre-processing (like data cleaning handle null values).  8. Done 7 question solve (example -What is the booking rate according to the population?)  9. Data Visualization  10. Conclusion. |
| **Please paste the GitHub Repo link.** |
| Github Link:- https://github.com/Sakshi00207 |
| **Please write a short summary of your Capstone project and its components. Describe the problem statement, your approaches and your conclusions. (200-400 words)** |
| **In this project we analysis the data set of Hotel Booking system. The purpose of our project was to gather and analyses detailed information about hotels in order to provide insights and estimate the profit In this data set of hotels booking, we have booking information for the city hotels and resort hotel which includes so many insights such as when the booking was made, length of stay, the number of adults children, and/or babies, and the number of available parking spaces, among other things. The data analysis of hotel bookings would be very useful for Agents, individual customer, companies and Hotel owners.**  **In order to come out with the best results of our analysis, we focused more on the data cleaning and removing the NAN and duplicates values. We have replaced the few NAN with the mean values. With the cleaned data we performed Exploratory Data Analysis to understand our dataset. We have find out correlation between various features with the help of heatmaps. With the data visualization on the basis of graphs and plots to gather some meaningful information.**  **Our main task is to perform the EDA on the cleaned Data to find out the useful insights responsible for the Hotel booking system. After analysis the dataset and, I concluded that the city hotel is mostly preferred by the mostly guests. The maximum booking done in the month of August. TA/TO distribution channel is more preferred by the customer as compared to others, In order to grow their business, hotels might partner with these agents and operators or promote using them as a medium.** |
| **Drive Link:-** |