**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:** |
| **Contributor Roles:**   1. **Rohit Sakharkar:-**   [rohitsakharkar11@gmail.com](mailto:rohitsakharkar11@gmail.com)   * Data Wrangling:  1. Finding the null values “Nan”. 2. Replaced those null values with Zeros.  * Data Preparation  1. Converting “Float” data type into “integer”. 2. Convert the datatype to “string”      * Merge “children”, “babies” and “adults” columns into “members” column * Confirmed booking * Customer type * Relation between price and month * Yearly booking of different hotel  1. **Nikita Negi:-**   [nikitanegi4100@gmail.com](mailto:nikitanegi4100@gmail.com)   * Data Wrangling :  1. Finding the null values “NaN” 2. Replaced those null values with zeros.  * Data Preparation  1. Converting “Float” data type into “integer”. 2. Convert the datatype to “String”.  * Meals * Most preferred hotel percentage by customers * Cancelled booking * Monthly booking of different hotel  1. **Mithlesh Singh:-**   [mks937449@gmail.com](mailto:mks937449@gmail.com)     * Data Wrangling :  1. Finding the null values “NaN” 2. Replaced those null values with zeros.  * Data Preparation:  1. Converting “Float” datatype into “integer”. 2. Convert the datatype to “string”  * Deposit type * Repeated guest * Average daily rate * Meal  1. **Ashish Yadav:-**   [itsmeashu2000@gmail.com](mailto:itsmeashu2000@gmail.com)   * Data Wrangling :  1. Finding the null values “NaN” 2. Replaced those null values with zeros.  * Data Preparation:  1. Converting “Float” datatype into “integer”. 2. Convert the datatype to “string”  * Cancelled Bookings * Arrival date by months * Year of arrival * Market segment  1. **Shubham Sanklecha:-**   [shubhamsanklecha400@gmail.com](mailto:shubhamsanklecha400@gmail.com)   * Data Wrangling :  1. Finding the null values “NaN” 2. Replaced those null values with zeros.  * Data Preparation:  1. Converting “Float” datatype into “integer  * Booking Changes * Reservation status * Yearly booking of different hotel      * The booking and cancelled status of different hotel |
| **Please paste the GitHub Repo link.** |
| Github Link:- <https://github.com/RohitSakharkar/Hotel-Booking-Analysis.git> |
| **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 try to predict the possibility of a booking for a hotel based on different factors and also try to predict if they need special requests based on different features.  The data set contains booking information for a city hotel and a resort hotel, and includes information such as when the booking was made, the number of adults, children, and/or babies, and the number of available parking spaces, arrival date month, arrival date day of month, arrival date year, is repeated guest, previous cancellations, previous bookings not canceled, reserved room type, booking changes, total of special requests, among other things.  Then we also do exploratory data analysis (EDA) on the given database from that it easy to understand that how many guest where preferred the resort hotel or city hotel, yearly booking of different hotel, the booking and cancelled status of different hotel, relation between price and month, average daily rate and many more.  Also those part was important to predict how the hotel is working and what things to consider in mind for more development of hotel and exploratory data analysis (EDA) was the easiest way to understand those things.  And also, from this we can understand the customer’s’ behavior and it might help us make better decisions further. |