**Capstone Project Submission**

**Instructions:**

i) Please fill in all the required information.

ii) Avoid grammatical errors.

| **Team Member’s Name, Email and Contribution:** |
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| 1. **Pendiyala Sai Kumar** (**Email:** saikumar964046@gmail.com)     My contribution to analyze the best time of year to book a hotel.   1. **Saniya Shakur Shaik** (**Email:** ssaniyaa1997@gmail.com)     If Hotel gets more special requests than the user (customer) will receive the hotel or not.   1. **Pushpendra Pawar** (**Email:** pushpendrapawar8@gmail.com)     Optimal length of stay in a hotel to get the best daily rates. |
| **Please paste the GitHub Repo link.** |
| Github Link:- https://github.com/SAIKUMAR-AI/Capstone-project |
| **Please write a short summary of your Capstone project and its components. Describe the problem statement, your approaches and your conclusions. (200-400 words)** |
| Hotel booking systems are in great demand because of shifts in travel. Enduser can search and book the hotels online for any city across the globe  Looking onto the description we tried to understand the problem statement  We analyze the best time to book a hotel in a year. Optimal stay (no.of days) to get the best daily rates; If the hotel gets more number of special requests than the user (Customer) will receive the hotel or not.  Firstly, I started to handle the missing values in the data sheet. I observed the time of year hotel bookings in the data actually when a user can book the hotel in a particular year of time.  Next step is the optimal stay of length for that we analyzed the number of stay week and weekend nights .Last thing is the number of special request whether customer will effect.  Conclusion of this capstone project EDA we analyzed the data of hotel booking analysis in which hotels why customers were canceled for some reasons like if the average daily rates increases then customers will cancel the hotel booking, lead time will increase the rate of cancellation increases, due to non-refundable policy user will cancel the hotel booking . |