



# Project Management Document

**Project Title :** Hotel Automation System

**Group 23 - Members :**

Name	Student ID
Nishith Gohel (Team Leader)	201901122
Vedant Parikh	201901029
Hauzan Girach	201901114
Ketul Modi	201901124
Mansi Madhvani	201901194
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**Date :** 15 April, 2022

### **Activity List and Project Plan :**

<b>Activity</b>	<b>Start Date</b>	<b>End Date</b>	<b>Responsible Person(s)</b>
<b>(a) Formulation of the problem</b>			
<i>(i) Reading relevant background information</i>	22/03/2022	28/03/2022	Vedant, Hauzan, Mansi
<i>(ii) Understanding and documenting the requirements</i>	24/03/2022	7/04/2022	Everyone
<i>(iii) Discussions</i>	22/03/2022	14/04/2022	Everyone
<b>(b) Designing a solution, documentation</b>	2/04/2022	14/04/2022	Nishith, Vedant, Hauzan
<b>(c) Relevant learning</b>	8/04/2022	15/04/2022	Mansi, Ketul, Vishv
<b>(d) Coding and unit testing</b>	14/04/2022	30/04/2022	Everyone
<b>(e) Documentation</b>	24/03/2022	14/04/2022	Hauzan, Mansi, Nishith, Vedant,
<b>(f) Testing</b>	30/04/2022	2/05/2022	Ketul, Vishv, Vedant
<b>(g) Reviews</b>	12/05/2022	14/05/2022	Everyone
<b>(h) Rework and debugging</b>	1/05/2022	3/05/2022	Ketul, Vedant, Vishv, Mansi

### **Testing Strategy :**

Test Case for User Login		
Steps	Testing Procedure	Expected Results
1)	User Enters the System	Views the home page
2)	If user is new then they are asked to sign up	Confirmation Email comes
3)	Enter Login details inside the login page	Validates information and allows user to enter the system
4)	Irrespective of whether the user is existing or new to the system, one can directly login through their Google, Microsoft or Yahoo account	User gets directly logged in without having to sign-up, in case if user is new

Test Case for Customer services		
Steps	Testing Procedure	Expected Results
1)	Search rooms according to the user availability	Shows the results of rooms which are available along with their pictures, features, reviews and prices.
2)	User Books a room	Confirmation Email/SMS to the user and hotel is also notified
3)	Customer demands room service	The staff is notified regarding the requests and

		they fulfill them according to the priority
4)	When User Checks out	Combined bill generation
5)	User cancels the reservation	Charge the penalty and mark the room/s as available
6)	Customer Feedback	Submit feedback during the time of checkout, through Email / SMS notification
7)	Provide Discounts	Maintains customer points based on frequency of visits.

Test Case for management purposes		
Steps	Testing Procedure	Expected Results
1)	Manage room tariffs	Calculate occupancy rate and accordingly manager can adjust the room prices
2)	Business	Calculate total expenditure and earnings
3)	Customer Feedback Analysis	Give proper statistics of user feedback, so that the hotel could improve upon its hospitality services.
4)	Housekeeping	Assign the nearest housekeeping service to the customer, as and when customer demands housekeeping service

