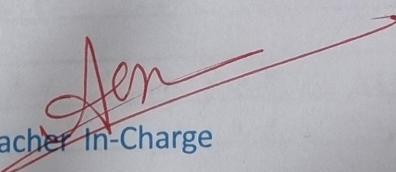


Thadomal Shahani Engineering College
Bandra (W.), Mumbai- 400 050.

© CERTIFICATE ©

Certify that Mr./Miss Rajesh. Vikram. Rath
of Computer Department, Semester 5 with
Roll No. 2113208 has completed a course of the necessary
experiments in the subject Software Engineering under my
supervision in the **Thadomal Shahani Engineering College**
Laboratory in the year 2023 - 2024


~~Teacher In-Charge~~

Head of the Department

Date 6 / 10 / 2023

Principal

CONTENTS

SR. NO.	EXPERIMENTS	PAGE NO.	DATE	TEACHERS SIGN.
1.	Write a detail problem statement for hotel management system	19	17	
2.	Application of Bigle process model on project (JFRA)	26	17	
3.	Develop SRS document in IEEE format for project.	26	17	
4.	Develop OPO for the project	31	8	
5.	Develop Activity & Block diagram for the project	10	18	
6.	Identify scenarios & develop use case	23	8	✓ 10/12/2020
7.	Do project scheduling using gantt chart	6	19	✓ 10/12/2020
8.	Conduct function point analysis for the project	13	19	
9.	Application of COCOMO model for cost estimation of project.	13	19	
10.	Develop a risk mitigation plan	20	19	

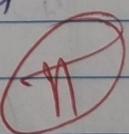
CONTENTS

SR. NO.	EXPERIMENTS	PAGE NO.	DATE	TEACHERS SIGN.
11.	Case study: GitHub for Version Control	27/9		
12.	Develop test case for project using white box testing	4/10		
A1	Assignment 1: Architectural design explain in detail	4/10		JBN
A2	Assignment 2: Explain in detail a) Software maintenance b) Re - engineering c) Reverse - engineering	4/10		

:- Experiment 1:-

Aim:- Write a detail Botton Statmt for any one
other purify which process would work so
best suited to apply on it.

- Hotel Management S/m is a Comprehensive & profitable
Sln for the hospitality industry. It Streamline
operations and enhances guest experience from booking
to check out with features like online bookings,
meal free upgr. and automobile takes it books rooms
& cost savings. Besides, managers may staff
automated kiosks to boost productivity & cost savings
seamless commun. among staff, automates guest com
and target marketing future improve guest serve
& loyalty.
- Implementing Hotel Management System s/m
provides a competitive adv. Streamline operation
by enhance guest satisfaction.
It overcomes also various challenges
faced by the hospitality industry. It eliminates
manual and time consuming process such as
registration & check ins, money errors & saving
time. Also provides Point security
safe guards guest info. and payment
method.

AN 

- A hotel management system typically includes the following key functionalities:
 1. Reservation Management: Allows guest to make reservations and track guest analysis in real time.
 2. Check-in / Out: Facilitates quick and efficient check-in and check-out process, including guest arrival and departure times, and enhances guest experience.
 3. Guest Profiles & pref.: Stores guest information and history to personalize service and guest experience.
 4. Room and inventory mng: Tracks room occupancy, schedules, and inventory.
 5. Billing and invoices: Generates bills and invoices, including room charges, additional services, and taxes.
 6. Staff mng: Facilitates staff scheduling, attendance tracking, and task management.
 7. Housekeeping & maintenance: Helps manage task requests, guest requests, and room cleaning status for assigned rooms, room cleaning turnovers, and housekeeping.

2
1.3

1. Customer :- The table stores info about hotel guests and potential customers. It includes ID, name, contact info, address, etc. It helps customers experiment, manage programs, etc.

2. Staff : It contains details related to hotel employees like name, id, name, position, dept, etc. It is used for staff management, scheduling, tracking, payroll, etc.

3. Suit :- It stores info about various types of suits or rooms available in the hotel. It includes detail id, type, desc, occupancy, price, etc. Facilities room reservation, room availability.

4. Catering : Contains details about catering services offered by hotel. It includes id, name, option, pricing, etc. It helps manage catering bookings and arrangements for events.

5. Booking - Records all hotel room reservations made by customers. It includes id of (room), suit, check-in and out date. This table is crucial for managing room occupancy, check-in, and check-out.

6. Cancellation: Trady cancell room resv.
Includes detail like id &
cancel reason, cancellation reasons and time when
held in assis in managing room.
7. Stock: Store info about hotel inventory
such as housekeeping supplies
toiletries and other consumables. Includes
desc, quality of stock, etc.
8. Events: Contain data related to hotel
and function. Includes id, date
and id, staff involved, etc.
9. Security: Stores info about security - like
activities & incidents in the
hotel includes log in, time stamp, loc, etc.
10. Payment: all financial transaction details
like room charges, bills,
payments & custom id, amount etc.
11. Feedback: Stores guest feedback & review
includes id of cust. fed and
time stamp, help to track guest satisfaction.
12. Maintenance:
- Data related to maintenance
desc, service req, staff involved. Includes
scheduling & tracking maintenance activities.