

A Minor Project Report

On

Hotel Management System

Submitted in partial fulfilment of requirements for the reward of the

Degree of

BACHELOR OF TECHNOLOGY

In

ARTIFICIAL INTELLIGENCE

Under the guidance of

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M.KUMARASAMY COLLEGE OF ENGINEERING

(Autonomous)

KARUR – 639113

APRIL -2023

VISION AND MISSION OF THE INSTITUTE:

Vision:

To emerge as a leader among the top institutions in the field of technical seducation.

Mission:

- Produce smart technocrats with empirical knowledge who can surmount the global challenges.
- Create a diverse, fully-engaged, learner-centric campus environment to provide quality education to the students.
- Maintain mutually beneficial partnerships with our alumni, industry and professional associations.

VISION AND MISSION OF THE DEPARTMENT:

VISION

To achieve education and research excellence in Information Technology.

MISSION

- To excel in academic through effective teaching learning techniques.
- To promote research in the area of Information Technology with the focus on innovation.
- To transform students into technically competent professionals with societal and ethical responsibilities.

PROGRAMME OUTCOMES (POs)

- **Engineering knowledge:** Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.
- **Problem analysis:** Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.
- **Design/development of solutions:** Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.
- **Conduct investigations of complex problems:** Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.
- **Modern tool usage:** Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations.
- **The engineer and society:** Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.
- **Environment and sustainability:** Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.
- **Ethics:** Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.
- **Individual and team work:** Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.
- **Communication:** Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to

comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.

- **Project management and finance:** Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.
- **Life-long learning:** Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.

PROGRAM SPECIFIC OUTCOMES (PSOs)

- **Professional Skills:** Ability to apply the knowledge of computing techniques to design and develop computerized solutions for the problems.
- **Successful career:** Ability to utilize the computing skills and ethical values in creating a successful career.

MAPPING OF PROJECT WITH PO'S AND PSO'S:

- Engineering knowledge
- Problem analysis
- Design/development of solutions
- Modern tool usage
- Environment and sustainability
- Individual and team work
- Life-long learning
- **PSO'S:** Professional Skills

M.KUMARASAMY COLLEGE OF ENGINEERING

(Autonomous Institution affiliated to Anna University, Chennai)

BONAFIDE CERTIFICATE

Certified that this project report “**Hotel Management System**” is the Bonafide work of “**GURUMEETA S R(927621BAD012), HARIPRIYA I (927621BAD013), JOTHIKA R(927621BAD019), PRANISHKA N(927621BAD037)**” who carried out the minor project work during the academic year 2022-2023 under our supervision. Certified further, that to the best of our knowledge the work reported herein does not form part of any other minor project report or dissertation on the basis of which a degree or award was conferred on an earlier occasion on this or any other candidate

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ABSTRACT

- This project will consist of creating an application mainly for reserving a hotel room. Modules of the software will include booking and viewing rooms & amenities for users to give them flexibility and portability. By just a few clicks users can book room and amenities of the Hotel. The purpose of creating the system is improving the customer service by providing convenience to customer to make booking through system and increase customers.

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ACRONYMS/LIST OF ABBREVIATIONS:

Acronym	Abbreviations
HTML	Hyper Text Markup Language
CSS	Cascading Style Sheets
PHP	Hypertext Preprocessor

CHAPTER-1

INTRODUCTION

INTRODUCTION

This project will consist of creating an application mainly for reserving a hotel room. Modules of the software will include booking and viewing rooms & amenities for users to give them flexibility and portability. By just a few clicks users can book room and amenities of the Hotel. The purpose of creating the system is improving the customer service by providing convenience to customer to make booking through system and increase customers.

BACKGROUND:

The Art Gallery Management System with Simple CMS website using HTML,CSS,PHP/MySQL is a simple project that will help a certain gallery to manage their paintings or sculptures in their business. The main purpose of this project is to help the art gallery business market their arts online using their own website. This system includes upcoming events advertisement of an artist that rented the gallery to help also their client, and this feature of the system may also use by the art gallery business to announce their own events.

PROBLEM STATEMENT:

Despite the fact that event – based strategies are widely accepted as a method for marketing and destination development and despite the numerous advantages that events can bring to destinations, event tourism strategies have received little attention in the literature and research on tourism. Consequently, there is little knowledge of how destinations evolve and take shape, despite the growing importance of events in destination marketing campaign.

OBJECTIVES:

The main objective of the entire activity is to automate the process of day to

day activities of hotel like:

- Room activities
- Admission of a New Customer
- Assign a room according to customer's demand
- Packages available
- Advance online bookings
- Online Cancellation

CHAPTER-2

LITERATURE REVIEW

LITERATURE REVIEW

S. N O	LINK REFFERED	DESCRIPTION
1	https://www.academia.edu/36435770/Chapter_2_REVIEW_OF_RELATED_LITERATURE_AND_STUDIES This chapter presents the review of related literature and studies particularly on the Proposed Computerized Hotel Management System of	To know the basic language that have been used for this project
2	https://www.ipl.org/essay/Hotel-Management-Literature-Review-FJZM2AJKXG	Gained some ideas on implementing the module
3	https://www.studocu.com/in/document/sanskriti-university/byechn/hotel-management-project-file/28430897N	Learnt about the already existing system about this project

CHAPTER-3

FEASIBILITY STUDY

FEASIBILITY STUDY

HOTEL PAGE MODULE:

A front-office module allows a front-desk manager to view and update room reservation status, check guests in and out, and process payments

BOOKING PAGE MODULE:

Booking module allows us to make online booking

CONFIRM PAGE MODULE:

The Confirm page allows the user to know whether they have booked their wish list or not

SIGN UP PAGE MODULE:

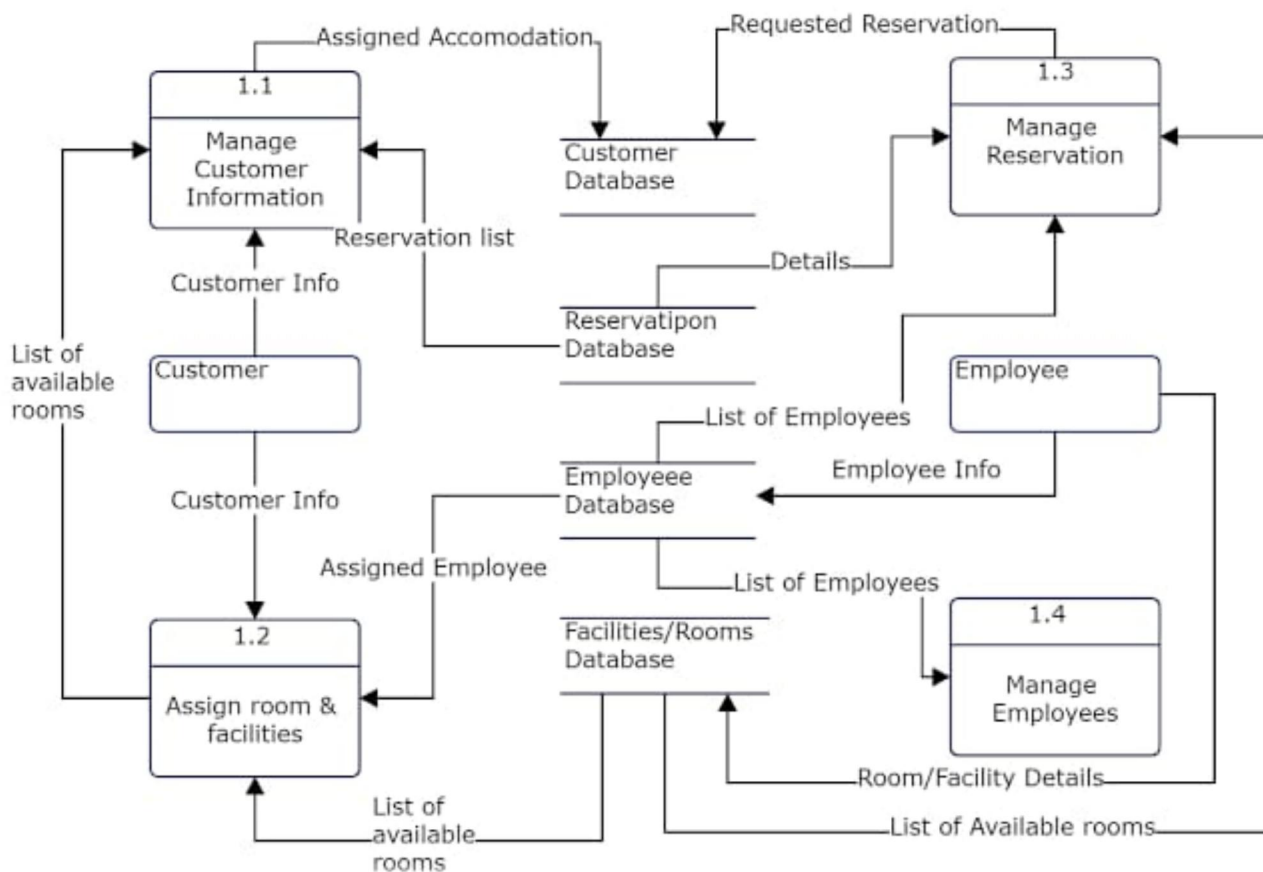
The Signup module allows users to sign up for events

CHAPTER-4

PROJECT METHODOLOGY

PROJECT METHODOLOGY

4.1 DESCRIPTION OF THE WORKING FLOW OF PROPOSAL SYSTEM:




CHAPTER-5

RESULT AND DISCUSSION

RESULTS AND DISCUSSION

HOTEL PAGE

Choose your hotel




Radisson Blu Hotel

★★★★☆

In Central Chennai, the Radisson Blu Hotel Chennai City Centre is just over half a mile from Express Avenue and Spencer Mall.

ROOMS FOOD EVENT




Taj Club House

★★★★☆

Located off Mount Road and housed in a grand neon-blue building, Taj Club House provides luxurious rooms and suites on Clubhouse

ROOMS FOOD EVENT




Novotel Chennai OMR


★★★★★

Novotel Chennai OMR - An Accor Brand is a 5-star hotel in Chennai spreading across 3 acres of greenery and featuring premium accommodations


ROOMS FOOD EVENT



ITC Grand Chola

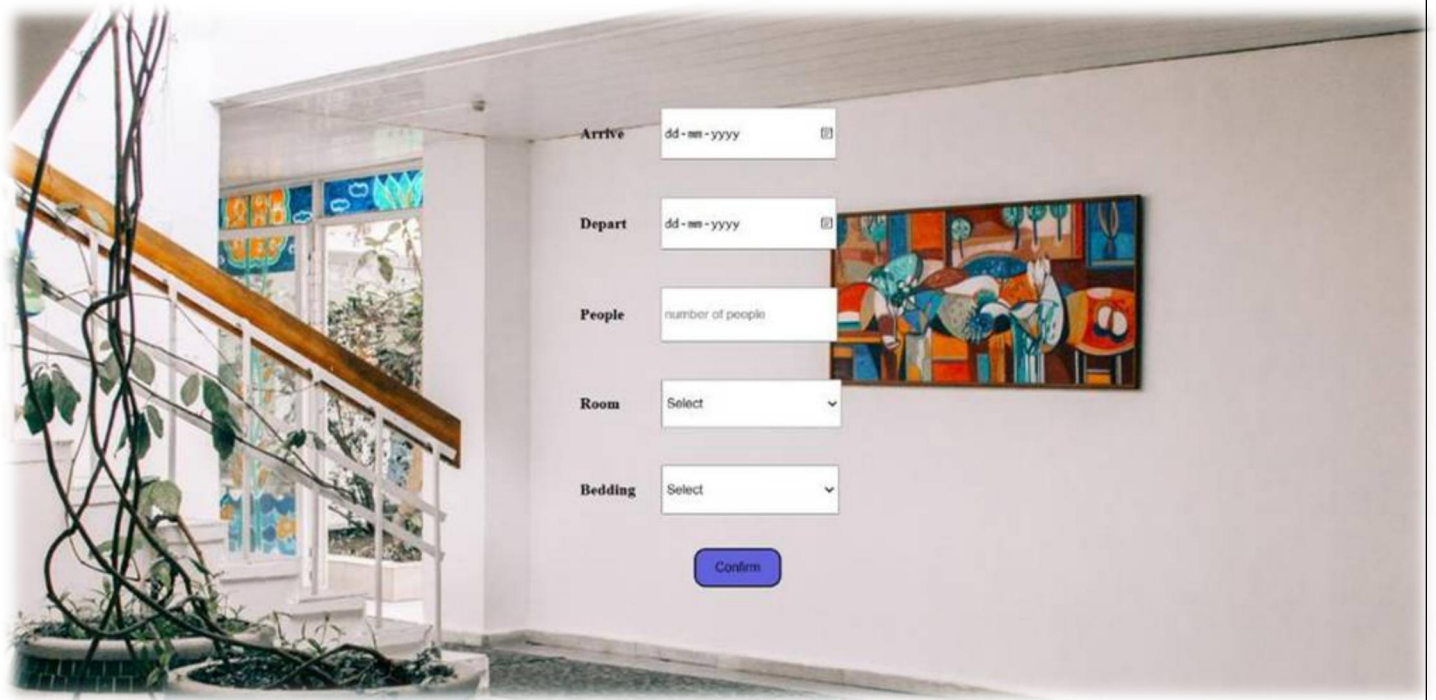


The Park Chennai



Ibis Chennai OMR

BOOKING PAGE



Arrive

Depart

People

Room

Bedding

CONFIRM PAGE



Your Booking is Confirmed

SIGN UP PAGE

The screenshot displays a web browser window with the address bar showing 'localhost:3000/Signup'. The page features a scenic background image of a lake and mountains. The 'Sign up' form is centered on the page and includes the following fields and controls:

- Name:** A text input field with the placeholder text 'Enter your name'.
- Email:** A text input field containing the text 'user1'.
- Password:** A text input field with masked characters '*****'.
- Mobile No:** A text input field with a country code dropdown menu set to '+91' and the placeholder text 'Enter your number'.
- Age:** A text input field with the placeholder text 'Enter your age'.
- Date of Birth:** A text input field with the placeholder text 'dd-mm-yyyy' and a calendar icon on the right.
- Gender:** A dropdown menu with the text 'Select' and a downward arrow.
- Submit:** A green button with the text 'Submit'.

The browser's taskbar at the bottom shows the Windows logo, a search bar, and various application icons. The system tray on the right indicates the temperature is 76°F, the language is ENG, and the time is 22:56 on 08-03-2021.

CHAPTER-6

CONCLUSION

CONCLUSION

The application was developed using React, JavaScript, HTML5 and CSS3 technology. Any user can view this application. The user can log in, with his information such as his email and password. If the login does not go through, the user can re-register or ask to change the password. After login, the user can visit the homepage and can select the hotel of their interests and prebook rooms, event halls, food menu according to their convenience.

CHAPTER-7
REFERENCE

REFERENCE

- https://www.academia.edu/2112330/A_SAMPLE_HOTEL_MANAGEMENT_SYSTEM_PROJECT_DOCUMENTATION
- <https://www.studocu.com/in/document/sanskriti-university/byeche/hotel-management-project-file/28430897N>