

CHAPTER-1

COMPANY PROFILE

Company Name: EZ Trainings and Technologies Pvt. Ltd.

Introduction:

EZ Trainings and Technologies Pvt. Ltd. is a dynamic and innovative organization dedicated to providing comprehensive training solutions and expert development services. Established with a vision to bridge the gap between academic learning and industry requirements, we specialize in college trainings for students, focusing on preparing them for successful placements. Additionally, we excel in undertaking development projects, leveraging cutting-edge technologies to bring ideas to life.

Mission:

Our mission is to empower the next generation of professionals by imparting relevant skills and knowledge through specialized training programs. We strive to be a catalyst in the career growth of students and contribute to the technological advancement of businesses through our development projects.

Services:

College Trainings:

- Tailored training programs designed to enhance the employability of students.
- Industry-aligned curriculum covering technical and soft skills.
- Placement assistance and career guidance.

Development Projects:


- End-to-end development services, from ideation to execution.
- Expertise in diverse technologies and frameworks.
- Custom solutions to meet specific business needs.

Locations: Hyderabad | Delhi NCR



At EZ Trainings and Technologies Pvt. Ltd., we believe in transforming potential into excellence

CHAPTER-2

DAY TO DAY ACTIVITY



BALLARI INSTITUTE OF TECHNOLOGY & MANAGEMENT
 Basavarajeshwari Group of Institutions
 Autonomous Institute under VTU - Belagavi
 "Jnana Gangotri" Campus, Bellary-Hospet Road, Near Allipura Village,
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Internship Program on Python for BE-3rd Sem students
From 15th April to 4th May 2024 (During 3rd semester vacations).

Student Name: Batch - 5 USN No: _____ Branch: EEE

INDEX PAGE			Signature of the faculty in charge
Day	Date	Content Covered	
1	15.04.24	Introduction of the Python.	
2	16.04.24	Basic loops and Programs. Based on for loop	
3	17.04.24	Operators performed on strings & Data Structures	
4	18.04.24	Functions of list; Methods, & Programs.	
5	19.04.24	Programs, based on lists.	
6	20.04.24	Arguments; Program using arguments	
7	22.04.24	Tuples (Introduction, Functions, & Programs)	
8	23.04.24	Dictionary (Introduction & Programs)	
9	24.04.24	Introduction of OOP's (Class, objects etc)	
10	25.04.24	Data structures (Types) (Linked list, tuple)	
11	26.04.24	Stack, Queue (Basic Programs) (types)	
12	27.04.24	Linear Search, Trees, Basic of Graph.	
13	28.04.24	Depth Search first, Breadth Search first.	
14	29.04.24	Types of trees, Graph. (Information, diff).	
15	30.04.24	Modules, Sortings. (Insertion, Selection etc)	
16	02.05.24	Project Discussion.	
17	03.05.24	Working on Project.	
18	04.05.24		

CHAPTER-3

ABSTRACT

- ✓ In our project, on "Hotel Management System", we have tried to show how the Data/information in hotels is managed.
- ✓ This is just an overview of management in hotels. This has been achieved by dividing the project into various modules, Customer is provided with different services like checking in, checking out, and editing entries or can be advance payments etc.
- ✓ If the customer wants, he/she can cancel his/her booking Enquiry about any customer or employee can be made either by customer Id or customer name.
- ✓ Enquiry about rooms available can also be made.
- ✓ Our project also includes the module for employee information. It will generate reports for customer, employees (working in the hotel) and Bill for customer is generated when the customer will check out from the hotel.
- ✓ We have included only few modules, as our purpose is to only have the idea or to study about how the management is done in hotels.
- ✓ By adding many more modules this type of project can have scope in various hotels.
- ✓ After going thought the existing system, problem was identified and the scope of development was finalized.

CHAPTER-4

INTRODUCTION OF THE PROJECT

Our project on "Hotel Management System" gives idea about the management in hotels. The package gives all the information regarding the check in or check out facilities of the customer. The customer can make his or her booking for rooms and food. It gives details of the customer and the time of arrival and departure of customer. The package also provides the facility of searching the customer or an employee working in that particular hotel by name/by the provided Id. It gives a detailed report of the customer and the room occupied by him/her. It gives the information about the employees working in hotels. This software is very useful to the departments for managing their activities.

Developing software on a topic like "Hotel Management System" has much scope. It can be made more attractive and many more modules can be attached to provide various services to customers. Our project provides various services to the customers like booking (advance/current) cancellation of advance booking, enquiring about any customer (by name customer Id) or about room availability.

The project has Scope in hotels since the routine activities of managing departments become easy. To provide efficient, fast, reliable and user-friendly system is the basic motto behind this exercise. And show the Hotel room facilities, Book room. The main aim 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, checkout of a computer and releasing the room and finally compute the bill etc.

TITLE: Hotel Management System

PURPOSE: To manage day to day operations

- Manage distribution of report

- Increase bookings

- Save time and admin tasks

Key features: booking the rooms

- Getting the room information and charges

- Can modify the room by exchanging the room

- Can delete you room

CHAPTER-5

MODULE DESCRIPTION

This code defines a class hotel management system in Karnataka. Here's a breakdown of the module:

Initialization:

Define dictionaries HOTEL_NAMES, AVAILABLE_ROOMS, and ROOM_CHARGES to store hotel names, available rooms, and their corresponding charges.

Define a class named Hotel.

Hotel Class:

Define methods:

Register (): Prompt the user to input name, phone number, and address, and store the information.

Booking (): Allow users to book a room by selecting a hotel, room number, and providing personal details.

Room_Infomation (): Display room information and charges based on user input.

Update (): Allow users to update room details.

Delete (): Allow users to delete room details.

Payment (): Calculate and display the payment amount based on room charges and the duration of stay.

Home Function:

Display a menu with options to register, book a room, get room information, make a payment, update room details, or exit the program.

Continuously loop until the user chooses to exit.

Main Execution:

Create an instance of the Hotel class.

Call the Home function to start the program execution.

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CHAPTER-6

ALGORITHM

- **Start**
- Display welcome message and options (Register, Booking, Room Information, Payment, Exit)
- **User Input**

Take input from the user for their choice.

Conditional Branching

- Check user choice:
- If choice is 1:

Call Register function

- If choice is 2:

Call Booking function

- If choice is 3:

Call Room Information function

- If choice is 4:

Call Payment function

- If choice is 5:

Call update function

- If choice is 6:

Call delete function

- If choice is 0:
Exit the program

- **Register Function**

Take input for name, phone number, and address.

Store the information.

- **Booking Function**

Display available hotel names and room numbers.

Take input for hotel name and room number.

Take input for customer name, check-in, and check-out dates.

Display booking confirmation.

➤ **Room Information Function**

Display available room numbers and their corresponding charges.

Take input for room number.

Display room information and charges.

Payment Function

Take input for room number, customer name, and phone number.

Calculate and display the bill amount based on the number of days.

End

CHAPTER-7

OUTPUTS:

1. Register ():

```
welcome to karnataka
1 Register
2 Booking
3 Room infomation
4 Payment
5 update
6 delete
0 Exit
Enter your choice:1
Name: siyana
Phone No.: 1234567891
Address: ghandhi nagar
registered successfully
```

2. Booking ():

```
welcome to karnataka
1 Register
2 Booking
3 Room infomation
4 Payment
5 update
6 delete
0 Exit
Enter your choice:2
Pola paradise,upasana,Hoysala,Nakshthra,
Enter the hotel name : hoysala
101,102,103,104,
enter the room no:102
Please enter your name: siyana
Please enter your check-in date (DD/MM/YYYY): 15/04/2024
Please enter your check-out date (DD/MM/YYYY): 20/04/2024
{'hotel_name': 'hoysala', 'room_number': '102', 'customer_name': 'siyana', 'check_in': '15/04/2024', 'check_out': '20/04/2024'}
Booking is done successful!
```


3. Room information ():

```
welcome to karnataka
1 Register
2 Booking
3 Room infomation
4 Payment
5 update
6 delete
0 Exit
Enter your choice:3
101,102,103,104,
('101', 250),('102', 800),('103', 1500),('104', 2000),
enter the room no:102
Room with AC and Room amenities include: 1 Double Bed, Television, Telephone,an attached washroom with hot/cold water
Room chareges : 800
```

4. Payment ():

```
welcome to karnataka
1 Register
2 Booking
3 Room infomation
4 Payment
5 update
6 delete
0 Exit
Enter your choice:4
enter the room no102
name: siyana
Phone No.: 1234567891
enter no of days 5
bill amount: 4000
THANK YOU
visit Again
```

5. Update ():

```
welcome to karnataka
1 Register
2 Booking
3 Room infomation
4 Payment
5 update
6 delete
0 Exit
Enter your choice:5
enter your room no: 102
enter new room no: 104
Room details updated
```

6. Delete ():

```
welcome to karnataka
1 Register
2 Booking
3 Room infomation
4 Payment
5 update
6 delete
0 Exit
Enter your choice:6
enter the room_no: 102
Room deleted sucessfully
```

CHAPTER-8

CONCLUSION:

- While developing this project we have learnt a lot about hotel management.
- The Online Hotel Reservation System was developed to replace the manual process of booking for a hotel room or any other facility of the hotel.
- The old system does not serve the customer in a better way; rather it makes customer data vulnerable.
- The new system keeps proper records of customers for emergency and security purposes.
- We have learnt how to make a system user friendly.
- We also realized the importance of maintaining a minimal margin for error.
- During the development process we studied carefully and understood the criteria of implementation process.

CHAPTER-9

REFERENCES

- <https://www.scribd.com/document/570433240/Hotel-Management-Project>
- <https://www.studocu.com/in/document/lovely-professional-university/front-end-web-developer/83-hotel-management/40603769>
- Google,Note book