

HOTEL MANAGEMENT SYSTEM

**A Project Report Submitted in Partial
Fulfillment of the Requirements for
Post Graduate Diploma in Computer
Applications (PGDCA)**

Submitted By:

[Your Name]

Roll No: [Your Roll Number]

Session: 2025-2026

Under the Guidance of:

Department of Computer Science

Submitted To:

[University/Institute Name]

[City, State]

February 2026

DECLARATION

I hereby declare that the project work entitled "**Hotel Management System**" submitted to **[University/Institute Name]** is a record of an original work done by me under the guidance of **[Guide Name]**, Department of Computer Science.

The matter embodied in this project has not been submitted by me for the award of any other degree or diploma. All the sources of information have been duly acknowledged.

Place: [City Name]

Date: February 17, 2026

Signature of Student

[Your Name]

ACKNOWLEDGEMENT

I would like to express my sincere gratitude to all those who have contributed to the successful completion of this project on **Hotel Management System**.

First and foremost, I am deeply thankful to **[Guide Name]**, my project guide, for their invaluable guidance, continuous support, and encouragement throughout the development of this project. Their expertise and constructive feedback have been instrumental in shaping this work.

I am grateful to **[HOD Name]**, Head of the Department of Computer Science, for providing the necessary facilities and resources required for this project.

I extend my sincere thanks to all the faculty members of the Department of Computer Science for their valuable suggestions and support during the course of this project.

I would also like to thank my family and friends for their constant encouragement and moral support throughout this endeavor.

Finally, I am thankful to the Almighty for giving me the strength and determination to complete this project successfully.

[Your Name]

PGDCA Student

Roll No: [Your Roll Number]

TABLE OF CONTENTS

1. Introduction
 - Purpose of the Project
 - Scope of the Project
 - Overview of Hotel Management System
 2. Project Synopsis
 3. Objectives
 4. Problem Statement
 5. System Analysis
 - Existing System
 - Proposed System
 - Advantages of Proposed System
 6. Technical Requirements
 - Hardware Requirements
 - Software Requirements
 7. System Design
 - System Architecture
 - Data Flow Diagram
 - Class Diagram
 8. Implementation
 - Modules Description
 - Algorithm and Flowchart
 - Source Code
 - Screenshots and Output
 9. Testing and Validation
 10. Limitations
 11. Future Enhancements
 12. Conclusion
 13. Bibliography
 14. Appendices
-

```

}

if(flag == 0)
    cout << "\n Room not found!";

file.close();
cout << "\n Press any key to continue...";
cin.get();

}

// Modify phone number
void Hotel::modify_phone(int r) {
    long pos;
    int flag = 0;
    fstream file("Record.dat", ios::in | ios::out | ios::binary);

    while(!file.eof()) {
        pos = file.tellg();
        file.read((char*)this, sizeof(Hotel));

        if(room_no == r) {
            cout << "\n Enter new phone number: ";
            cin.ignore();
            cin.getline(phone, 15);

            file.seekg(pos);
            file.write((char*)this, sizeof(Hotel));
            cout << "\n Record updated successfully!";
            flag = 1;
            break;
        }
    }

    if(flag == 0)
        cout << "\n Room not found!";

    file.close();
    cout << "\n Press any key to continue...";
    cin.get();

}

// Modify number of days and recalculate bill
void Hotel::modify_days(int r) {
    long pos;
    int flag = 0;
    fstream file("Record.dat", ios::in | ios::out | ios::binary);

    while(!file.eof()) {
        pos = file.tellg();

```

2. Deluxe (Rs. 3500/day)

3. Suite (Rs. 5000/day)

Select Room Type: 2

Room booked successfully!

Total Amount: Rs. 10500

Sample Output 3: Customer Record Display

=====

=====

CUSTOMER RECORD

Enter Room Number: 101

Customer Details:

Room Number: 101

Name: Jay Kumar Bhagwani

Address: Bilaspur, Chhattisgarh

Phone: 9876543210

Days: 3

Fare per day: Rs. 3500

Total Amount: Rs. 10500

Sample Output 4: Rooms Allotted Report

=====

=====

ROOMS ALLOTTED

Room No. Name Phone Days Total

101 Jay Kumar Bhagwani 9876543210 3 10500

102 Rajesh Sharma 9988776655 2 4000

105 Priya Patel 8877665544 5 17500