

**VISVESVARAYA TECHNOLOGICAL UNIVERSITY,  
BELAGAVI - 590 018**



**Mini Project Report On**  
**“HOTEL RESERVATION MANAGEMENT”**

**A report submitted in partial fulfilment of the requirements for**  
**FILE STRUCTURE LABORATORY WITH MINI PROJECT (18ISL67)**  
**in**  
**INFORMATION SCIENCE AND ENGINEERING**

**Submitted by**

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**2022 – 2023**

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**CERTIFICATE**

This is to certify that the Mini Project entitled **"HOTEL RESERVATION MANAGEMENT"** has been successfully completed by

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in the partial fulfilment for the award of Degree of Bachelor of Engineering in Information Science and Engineering of the Visvesvaraya Technological University, Belagavi during the year 2022-2023. It is certified that all corrections/suggestions indicated have been incorporated in the report. The Mini project report has been approved as it satisfies the academic requirements in respect of Mini Project Work prescribed for the award of Bachelor of Engineering Degree.

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**18/11/22**  
  
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## **ABSTRACT**

The Hotel Reservation Management System (HRMS) is a simplified software solution designed to manage customer and room information for efficient hotel reservation processes. This project focuses on the development of two main classes: the Customer class and the Room class.

The Customer class serves as a central repository for storing and managing guest information. It includes attributes such as customer ID, name, contact details, and reservation history. The class provides methods for creating new customer records, updating existing information, and retrieving customer details when needed.

The Room class represents the different types of rooms available in the hotel. It encapsulates attributes such as room number, room type, occupancy status, and price. The class includes methods to check room availability, book rooms, and update the occupancy status accordingly.

The HRMS utilizes these two classes to facilitate the reservation process. It allows hotel staff to create new customer records, search for available rooms based on specific criteria, and make room reservations for customers. The system also provides functionality for modifying and cancelling reservations as needed.