

**VISVESVARAYA TECHNOLOGICAL UNIVERSITY**

JNANA SANGAMA CAMPUS, BELAGAVI-590018



**MINI PROJECT REPORT**

**OF**

**RURAL BUS DETAILS PROVIDER**

**Submitted by**

GOWRISH N 4AL2IISO17

KARTHIK MADAKARI T P 4AL2IIS020

**Under the Guidance**

**of**

**Mr. PRADEEP NAYAK**

Assistant professor



**DEPARTMENT OF INFORMATION SCIENCE & ENGINEERING  
ALVA'S INSTITUTE OF ENGINEERING & TECHNOLOGY**

**MOOBBIDRI- 574225, KARNATAKA**

**2022-23**

Mini Project Guide

Dept. of ISE, AIET

HOD

Dept. of ISE, AIET

**ALVA'S INSTITUTE OF ENGINEERING & TECHNOLOGY**  
**MOODBIDRI- 574225, KARNATAKA**



**DEPARTMENT OF INFORMATION SCIENCE & ENGINEERING**

**CERTIFICATE**

*Certified that the mini project work entitled "**RURAL BUS DETAILS PROVIDER**" is a bonafide work carried out by*

GOURISH N 4AL21ISO17

KARTHIK MADAKARI T P 4AL21IS020

in partial fulfilment for the award of **BACHELOR OF ENGINEERING** in **INFORMATION SCIENCE AND ENGINEERING** of the **VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELGAUM** during the year 2022-2023 It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the report deposited in the departmental library The project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the Bachelor of Engineering Degree.

**Mr. PRADEEP NAYAK**

**Project Guide**

**Dr. SUDHEER SHETTY**

**Head of Department**



## ABSTRACT

A web-based application called the Online Bus management System is revolutionizing the way people buy bus tickets. It provides consumers with a simple and effective platform that allows them to look for, choose, and reserve bus seats while at home or on the go. The system ensures a seamless and user-friendly booking experience by utilizing contemporary technology and real-time data and by giving precise bus schedules, seat availability, and secure payment alternatives. The Online Bus Reservation System's goal is to improve customer happiness while streamlining bus operations for service providers. The system represents a significant development in the travel sector by emphasizing the user and making bus travel more convenient, effective, and fun.

The design of the system is multi-layered, starting with the user-friendly presentation layer and ending with a solid data layer that effectively stores and manages user data as well as critical information on bus timetables and seat availability. The smooth data exchange and interactions between these layers guarantee the Online Bus Reservation System's dependable operation and accuracy.

By providing a digital platform for bus management, the Online Bus Management System significantly reduces manual tasks and paperwork, leading to improved operational efficiency and cost-effectiveness. Bus companies can effectively utilize resources and minimize the risk of human errors in scheduling and ticketing processes. Moreover, the system's real-time data analysis and reporting capabilities enable administrators to identify trends, popular routes, and peak travel times, helping them make data-driven decisions to optimize fleet utilization and maximize revenue generation.

The passenger-centric features of the OBMS enhance the overall travel experience. Passengers can conveniently access bus schedules and make reservations from the comfort of their homes or on the go, eliminating the need to visit physical ticket counters. With an easy registration process and personalized accounts, passengers can manage their travel preferences and booking history, enhancing customer satisfaction and loyalty.

The integration of secure payment gateways ensures a smooth and reliable payment process, instilling confidence in passengers to make online transactions without concerns about data security. The system's automated notifications keep passengers informed about their bookings and any changes in travel plans, reducing confusion and enhancing communication between the bus company and its customers.