

**VISVESVARAYA TECHNOLOGICAL  
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**A MINI PROJECT REPORT ON  
BUS FINDING APP**

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ALVA'S INSTITUTE OF ENGINEERING AND TECHNOLOGY

MIJAR, MOODBIDRI D.K. -574225

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### CERTIFICATE

This is to certify that, the Mini Project entitled “**Bus Finding App**” for the subject code **21CSMP67** has been successfully completed and report submitted by **Vikhyath Rai M S (4AL21CS177)** during the academic year 2023– 2024. It is certified that all corrections/suggestions indicated presentation session have been incorporated in the report and scored 81 Marks out of 100.

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**CERTIFICATE**

This is to certify that, the Mini Project entitled “**Bus Finding App**” for the subject code **21CSMP67** has been successfully completed and report submitted by **Sathish S (4AL22CS413)** during the academic year 2023– 2024. It is certified that all corrections/suggestions indicated presentation session have been incorporated in the report and scored \_\_\_\_\_ 87 \_\_\_\_\_ Marks out of 100.

**Mrs. Deeksha M**

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## ABSTRACT

The Bus Finder App is an integrated solution designed to streamline the management and utilization of bus transportation services. Catering to both bus drivers and passengers, the app leverages modern mobile and cloud technologies to enhance efficiency, convenience, and real-time communication. For bus drivers, the app provides functionalities to create and manage their profiles, set routes, update bus statuses, and share detailed bus information, including start and end points, and intermediate stops. These capabilities are supported by Firebase services, ensuring secure authentication and real-time data synchronization. Drivers can mark their availability, update bus details, and manage schedules seamlessly through the app interface. Passengers benefit from real-time bus tracking, enabling them to search for buses based on origin, destination, and time. Overall, the Bus Finder App offers a user-friendly and efficient platform for managing and utilizing bus transportation services. By integrating mobile app capabilities with powerful cloud services, the app enhances the experience for both drivers and passengers, promoting a more organized and responsive bus transit system.