

# Android Based Online Bus Booking System

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**Abstract:** *Online Bus Seat Reservation is a system where bus users can reserve their seats using a web-based application. It is made for the ease of access for both the bus trip administrators and the bus users. It maintains all customer details, their bus information which includes their bus route, bus seat, bus trip arrival time, bus trip destination time, and bus fare. To gather data, the researchers use Google Forms since it is not possible for the researchers to gather data physically since there is a pandemic which hinders the researchers from going outside. The application achieved is capable of checking the reservations made by a certain person which includes their personal information and bus seat reservation information. Despite the existence of the application, there is still a need for usage of Email for sending the confirmation email and also for the ticket which can be presented to the person-in-charge of the bus trip on the day of the trip. This study is conducted to see if there is an impact on the bus users if instead of going to the bus companies themselves to reserve a bus seat, they can reserve the bus seats online and also to determine what options do passengers need when it comes to an improved bus reservation system.*

**Keywords:** OBTRS, Electronic Ticketing, ITC, Reservation, Transportation

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