

Annexure-1

Scope: QR Based Ticketing App

Mobile ticketing has become a popular way of travelling recently, especially with the rise of contactless payments and digital wallet systems. One such system that is gaining momentum in the travel industry is QR-based mobile ticketing with a wallet system. QR based mobile ticketing solution is an innovative way to streamline the feeder services and as well as the Metro/Ferry/Route Bus travel ticketing. It helps to reduce the time and cost of traditional paper tickets and provides a secure, convenient and cost-effective ticketing system.

This system makes use of QR codes and enables passengers to purchase tickets using their smartphones. The QR code can be scanned directly at the ticket validation devices at the boarding point and the ticket can be instantly validated, and passenger also receive updates regarding their travel schedule. This system also helps to minimize the number of manual processes and reduce the risk of human errors. It also provides a secure and efficient platform for passenger details and payment processing. The use of QR codes for mobile ticketing eliminates the need for physical paper tickets, which reduces waste, and improves convenience for both passengers and transport service providers.

The QR ticketing system can be integrated with a Wallet based system. It allows users to add money using payment gateways such as credit/debit cards, UPI/Direct Banking/Other wallets, etc., and pay for their tickets through the wallet. Another benefit of the wallet system is its ability to store multiple forms of payment. Instead of carrying cash or several credit cards, Commuters can simply add them to your digital wallet and pay with just a few taps on their phone. Additionally, it provides real-time notifications to users regarding their current location. To ensure security, the system has to be built on fraud detection system.