L&T Metro Rail, Hyderabad

Overview

Hyderabad Metro Rail (HMR) Project is an integrated urban transport development project. Our objective was paper-free QR based ticketing system through mobile integration, QR generation in the phone itself and POS application at station level.

Technologies Used

- Android & iOS
- .Net, Private API for MMT
- Azure DevOps
- Paytm, T Sawari (In House application)

Challenges

- The whole metro system works within the Intranet across the city.Modification of application to generate more than 50 tickets per minute for the user.
- Minimal involvement of the operator for ticket generation – single click generation.
- Single screen availability of the entire ticket generation flow.
- Offline application working purely on LAN without any internet necessity.
- Expose API to Paytm, Phonepe, etc for ticket booking.

Solutions

- Developed multiple designs in a single screen to ensure visibility of all the stations.
- Automated calculator on screen, eliminating the necessity of pricing information by the user
- QA works at individual stations to check the flow at every station.
- In place of domain we used the IP to avoid public access of operations

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