LITERATURE   SURVEY

Team ID	PNT2022TMID26706
Project Name	Smart Solutions For Railways

ABSTRACT

From years, Indian Railways has been the most prominent, convenient and affordable means of transport. In this project, our motive is to digitize the ticket checking and validation system along with allocation of vacant berths, respective to gender safety in an ongoing journey, which will eliminate the major work of TTE (Train Ticket Examiner). Our proposed system helps to allocate seats to the passengers. The purpose of this project is growth of digitization with QR code and the proposed application. This digitization will eradicate corruption as the system will maintain all the records in database. Also, study explored the reservation status will assure safety of passenger.

SMART RAILWAY SOLUTIONS AS TOOLS TO REACH STRATEGIC GOALS

TITLE	DESCRIPTION
An intelligent ticket checker application for train using QR code	We have precisely got our two of views fulfilled in this project: 1. QR code working. 2. Ticket system for trains.
Android application generating QR code as Railway Ticket	With the help of this project we came up with the idea to print QR code on tickets.
Dynamic and transparent seat allocation for each gender safety using QR code in mobile application	From this project we came up with the idea to make an android app for ticket checker.
Android application for local railway ticketing using GPS validation	They proposed the various techniques for buying metro tickets or local railway tickets through their Smartphone application and introduced ticket checker.

Android application for local railway ticketing using GPS validation	They proposed the various techniques for buying metro tickets or local railway tickets through their Smartphone application and introduced ticket checker.

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Conclusion

The Successful execution of this proposed system would have numerous advantages. Execution of this system gave us track of actual no of passengers usually board and to make and calculate cost requirement of each journey. This made the decrease in Corruption rate and unnecessary nuisances that used to take place often in case of allocating vacant seats to waiting list passengers. This has also reduced manual work and efforts of TC in the process of ticket checking and validating. Thus, this project turned to be successful in execution and implementation.