# LITERATURE SURVEY

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| Team ID | PNT 2022TMID53688 |
| Project Name | Smart Solution For Railway |

# ABSTRACT

From years, Indian Railways has been the most prominent, convenient and affordable means of transport. In this paper, our motive is to digitize the ticket checking and validation system along with allocation of vacant berths 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 with RAC and waiting tickets automatically. The purpose of this paper 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

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| **TITLE** | **DESCRIPTION** |
| An intelligent ticket checker application for train using QR code | We have precisely got our two of views fulfilled in this paper:  1. QR code working.  2. Ticket system for trains. |
| Android application generating QR code as Railway Ticket | With the help of this paper we came up with the idea to print QR code on tickets. |
| Dynamic and transparent seat allocation using QR code in mobile application | From this paper 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. |

**REFERENCES**

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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 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.