LITERATURE SURVEY

TEAM ID: PNT2022TMID16036

Date Domain name Project name Team ID	Internet of Things (IOT) Smart solution for Railways

PAPER	AUTHOR	YEAR	METHODOLOGY	MERITS	DEMERITS
Passenger monitoring model for easily accessible public city trams/trains	Roman Khoeblal, Teeravisit Laohapensaeng, Roungsan Chaisricharoen	2015	Passenger monitoring, passenger control RFID distance reading, ticket control, RFID ticket inspection.	It is possible to travel cross country with a single public transportation card, using transport systems of several transport operators	Applicable only for passenger monitoring.
Android Suburban Railway Ticketing with GPS as Ticket Checker.	Sana Khoja, Maithili Kadam	2012	Android, SQ lite, Cloud Database, ASR, QR Code.	E-Ticket facility, enabling reuse and replacement of components	QR Codes before the user enters or leaves the station, where the user can have access

					which is risk .
Novel Approach for Smart Indian Railways.	Sujith Kumar, K.M.Yatheendra Parvan, V.Sumathy, Thejeswari C.K	2017	Digitalization, Smart Railways, Aadhar Card, Smartphone, Identity Verification.	Employ a mobile application through which passengers can access various ticketing options in user friendly and efficient manner	Biometric database is risk of hacking
Application of smart computing in Indian Railway Systems.	Parag Chatterjee, Asoke Nath	2014	By Interlinking unique identification system with train ticket reservation system by using video surveillance, rail sensors, biometric input devices and multimedia displays	Reduces manual effort in passenger data entry. Provides security verification.	Significant investment is needed. Risk of database.

References:

1. Roman Khoeblal, Teeravisit Laohapensaeng, Roungsan Chaisricharoen, "Passenger Monitoring Model for easily Accessible Public City Trams/Trains" (2015).

2. Parag Chatterjee, Asoke Nath, "Application of smart computing in IndianRailway Systems" (2014).

3. Sana Khoja, Maithili Kadam, "Android Suburban Railway Ticketing with GPS as Ticket Checker" (2012).

4. Sujith Kumar, K.M.Yatheendra Parvan, V.Sumathy, Thejeswari C.K, "Novel Approach for Smart Indian Railways" (2017).

5. Sarvath Saba, Sharon Philip, Shriharsha, Mukund Naik, Sudeep Sherry, "A Review on IOT based automated seat allocation and verification using QR code"(2022)