

SMART SOLUTION FOR RAILWAYS USING IOT

PROJET DESIGN PHASE -II

TEAM ID : PNT2022TMID44729

TEAM MEMBERS : MANGAIYARKARASI E (732519106011)

JAI KRISHNAN A.P (732519106005)

RAHUL M (732519106016)

SHANMUGAPRIYA A (732519106307)

DEPARTMENT : ECE

**COLLEGE NAME : SHREE VENKATESHWARA HI TECH
ENGINEERING COLLEGE, GOBI.**

FUNCTIONAL REQUIREMENTS:

Functional requirements for smart solution for railways

FUNCTIONAL REQUIREMENTS	DESCRIPTION
User registration	Registration through online in any website.
User confirmation	Conformation notification OTP will send through email or other message.
User QR code generation	QR code is generated after the confirmation.
GPS tracking	Passenger can easily find the location through GPS tracker.

NON-FUNCTIONAL REQUIREMENTS:

Some of the non-functional requirements are given below:

NON-FUNCTIONAL REQUIREMENTS	DESCRIPTION
Usability	Easy to know the availability of seats and location.
Reliability	Reliable to the user without any failure as it is not fixed to limited number of users.
Availability	User can access the availability anytime, anywhere.
Performance	All devices are user friendly.
Security	User information will be secured and safely stored in the database.
Scalability	Support the user with their needs in reserving tickets and location tracking.