

Project Design Phase I

Proposed Solution :

Parameter : Problem Statement

Description :

- To design a webpage where public can view and book tickets and to enable paperless ticket verification.
- To track the live location of all the trains.
- To increase smart facilities in railways to ensure passenger safety and comfort.

Parameter : Idea / Solution description

Description :

- A QR code is generated whenever a person books a ticket with all the information required to verify the ticket. An entry booth can be designed to verify the QR based ticket and allow the passenger inside the station.
- The live location of the train is captured and updated to all the passengers immediately through the application which is used to understand the delay in the train timings. Also based on the location, a wakeup call is provided to the passenger while nearing his destination and to automatically open and close the crossing barricades in the path.
- To enable environmental light based switching ON and OFF of the lights to enable reduced power usage, to continuously monitor the health of loco pilot and alert the authorities in times of emergency, to install automated door systems in passenger trains.

Parameter : Uniqueness

Description :

- Automated waiting list clearance.
- Health monitoring of loco pilot.
- Wakeup calls and automatic barricades using live location.