

PROJECT DEVELOPMENT PHASE

SPRINT - 1

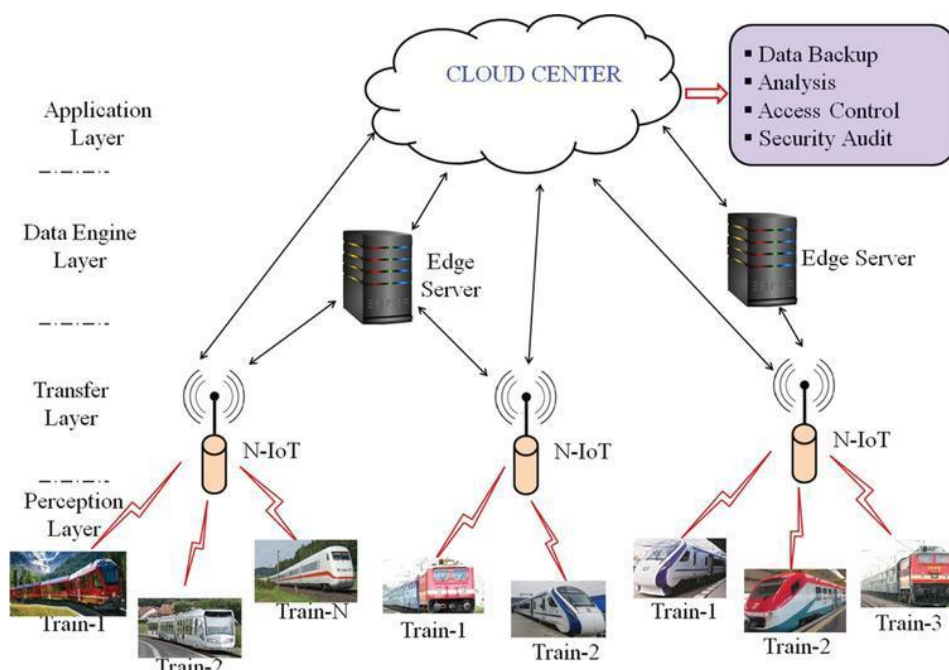
DESCRIPTION:

In this sprint, we have designed a webpage for the passenger to book the train ticket easily. Login page is designed for the user to login and after successful login they are redirected to the ticket booking form. In this form users are asked to fill the personal details, boarding, destination details and seats. If the user enters the appropriate details, then the QR code is generated. User can take the photo of this QR code displayed and store it for ticket verification during the journey.

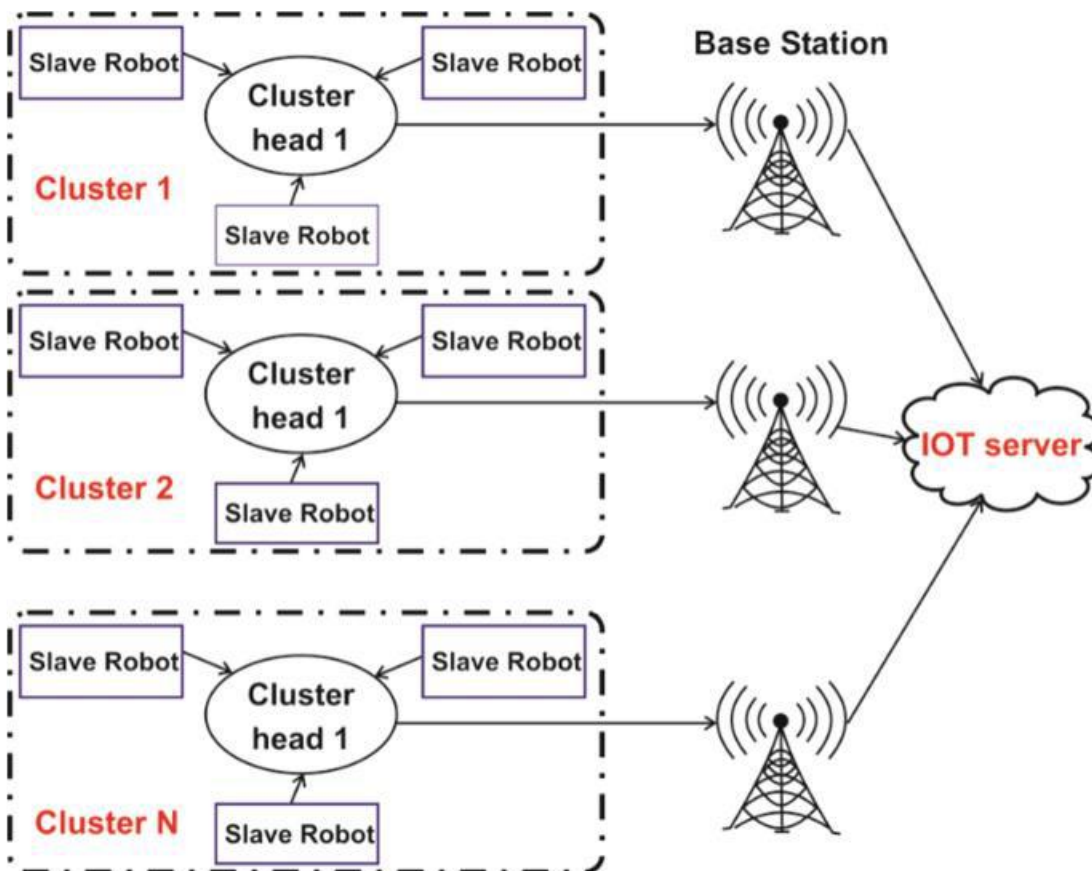
Features:

1. Login
2. Registration
3. OTP generation
4. OTP verification

Proposed architecture for smart track monitoring system:



Structural health monitoring of railway tracks using IOT-based multi robot system:



Trams and trains are an indispensable part of urban transportation. With continuous waves of urbanization, it is required that operation of the rail transit system be more intelligent and efficient. As those vehicles run in separate and closed tracks, railways entail several challenges and risks in terms of security and management, including engines, doors, fire control, as well as vibration and electromagnetic disturbance. Making sure everything is in good order can be a major challenge. Danger must be identified as soon as possible, as accidents mean not only revenue losses, but more importantly, life security. Meanwhile, with a large amount of time spent on the way, travel is expected to be not only convenient but also pleasant – especially in the IOT era where everything can and should be connected. Better passenger experience is the key to success in the increasingly fierce market competition.

