Faiyaz basha

Wireless fidelity with high bandwidth could be great option for high speed railways

Use strong radio frequency signals to avoid the failure of communication networks

use new sustainability features like using latest materials

Easy Affordability like people can access it through a mobile application

wireless IoT sensors for automated safety monitoring and prediction of wheel and bearing failure as well as detection of oil or gas leakages

increasing the efficiency and safety level of railway infrastructure

Gokulakannan

Track modernization

Dgitalization establishment of traffic control system with basic digitalization

improvement in maintenance efficiency and overall safety

Modernization of railway stations according to the latest technologies in the trends

Communications based train control (CBTC) enables efficient rail traffic management asset monitoring.

provide the best customer experience through digital solutions

gokulakrishnan

Automation like automated train driving

Smart sensors can be used to track important assets, manage passenger flow, and enable predictive maintenance

Be alert and reduce your speed while approaching railway unmanned level crossing.

Smart coaches having special diagnostic systems and sensors connected to integrated computer systems for increase passenger comfort

The zero emissions initiatives drive the rail industry towards the implementation of decarbonization strategies.

The internet of Trains greatly impacts the reliability and safety of railway infrastructure

Gopi

Control and surveillance systems reduce the risk of collisions and regulate speed.

Speed monitoring and control is another important safety application. Systems have been developed that can display train velocity for drivers and report speeds back to central control systems

Train-to-train communication through the cloud enables operators to transmit data about equipment. tracks and stations among themselves.

To develops a platform that provides Wi-Fi connection and infotainment for railway passengers.

Developing new autonomous train systems thet will increase the efficiency and reliability of railway transportation

Control overcrowding by monitoring passengers density