

# HARISANJAI A

5G technologies could be great option for high speed railways	Use of training simulators and virtual reality (VR) training systems to improve personnel capabilities.
In e-Ticketing , allow apps to use default VPN technologies to enhance security and avoid data breaches	e-ticketing with services such as infotainment and app-based systems.

# INDHUMATHI S

The internet of Trains greatly impacts the reliability and safety of railway infrastructure	Startups and scaleups are working on developing new autonomous train systems that will increase the efficiency and reliability of railway transportation.
With fast and reliable LTE connectivity , the rail communications system keeps feeding passengers real-time information, timetable updates, important announcements, as well as advertising and entertainment, delivering a nice passenger experience.	The startup uses wireless IoT sensors for automated safety monitoring and prediction of wheel and bearing failure as well as detection of oil or gas leakages

# HEMAPRIYA K S

Train-to-train communication through the cloud enables operators to transmit data about equipment, tracks and stations among themselves.	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
This one might not seem suited to a seemingly revolutionary fourth-generation technology, however, IoT can massively improve the cleanliness of bathrooms. 'Smart-cleaning' ensures that cleaners are only called when they are needed, so their time isn't wasted when they could be cleaning other stations or other parts of the same station	Communications-based train control (CBTC) enables efficient rail traffic management asset monitoring

# HEMALATHA M

Smart sensors can be used to track important assets, manage passenger flow, and enable predictive maintenance	Smart coaches having special diagnostic systems and sensors connected to integrated computer systems for increase passenger comfort
Be alert and reduce your speed while approaching railway unmanned level crossing.	The advancements include moving towards improved mobility on the high-density network and highly utilized network.