Efficient and Secure Operation with Better Passenger Experience:

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 a number of 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. Thus, a full-functional communications system is needed for rail transportation.

Functional requirements:

FR No.	Functional Requirement (Epic)	Sub Requirement (Story / Sub-Task)
FR-1	User Registration	Registration through Form
FR-2	User Confirmation	Confirmation via EmailConfirmation via OTP
FR-3	User QR code generation	QR code is generated
FR-4	GPS tracker	Location is tracked

Data flow: