

### Define the Problem Statements

Date	08.10.2022
Team ID	PNT2022TMID50058
Project Name	Smart solution for railway.
Maximum Marks	2 Marks

#### Customer Problem Statement Template:

Create a problem statement to understand your customer's point of view. The Customer Problem Statement template helps you focus on what matters to create experiences people will love.

A well-articulated customer problem statement allows you and your team to find the ideal solution for the challenges your customers face. Throughout the process, you'll also be able to empathize with your customers, which helps you better understand how they perceive your product or service

Problem Statement (PS)	I am (Customer)	I'm trying to	But	Because	Which makes me feel
PS-1	All humans	High capital allocation of 2.15 lakh Cr has been made for infrastructure development during 21-22	The study shows that traffic congestion is the major problem faced by transport users in India. Traffic congestion is a global as well as local problem	It can be used to improve various aspects of the railway system. Automation of railways can transform the current legacy systems and helps decrease the railway-related accidents significantly. This research paper proposes a system where sets of infrared sensors are used to track the position of the train and its direction.	Ticketless travelling Damage and theft of railways property.
PS-2	All humans	Railway Electrification process: 1924 route km	This results in the slower speeds and	This used to close open the railways barrier	Unnecessary use of emergency chain. Rough terrain.

		upto 30.12 ..	increased travel time.other problems like parking ,imoroper signals also leads to the traffic congestion.	automatically via a motor connected to a microcontroller unit .	
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