

Ideation Phase
Problem Statements

Date	20 September 2022
Team ID	PNT2022TMID31845
Project Name	Smart solution for Railways
Maximum Marks	2 Marks

SMART SOLUTION FOR RAILWAYS

Problem Statement:

- 1) Automatic braking system and alarming based on health monitoring of locomotive pilot
- 2) Interconnecting lights with sensor for automatic switching on and off to save power
- 3) Connecting Air Conditioners in AC coaches with temperature sensor which regulates and adapts to the temperature conditions.
- 4) Fire alarm intimation to the locomotive pilot and automatic water sprayer in case of any fire in the passenger cars. Also provides alert to the nearby Fire station
- 5) Automatic platform allotment in large stations
- 6) Automatic train traffic control
- 7) QR scanner based ticket checking and automatic door opening
- 8) Wake up call/alert to the user on nearing the destination
- 9) Automatic Railway crossing barricade system 10) Enhanced and automated waiting list queue clearance.