

Project Design Phase-I
Proposed Solution Template

Date	22 September 2022
Team ID	PNT2022TMID39421
Project Name	Smart solution for railways using IOT
Maximum Marks	2 Marks

Proposed Solution Template:

Project team shall fill the following information in proposed solution template.

S.No.	Parameter	Description
1.	Problem Statement (Problem to be solved)	A working person who is dependent on railway mode of transportation cant reach his/her destination place on time due to train delay(train lacks punctuality)
2.	Idea / Solution description	By building a 'layer of intelligence' into the signaling company's real time monitoring system.The solution was able to forecast delays an hour in advance and helped controllers as well as passengers to decide best alternatives to reduce delays.
3.	Novelty / Uniqueness	Enhanced customer experience ,vehicle tracking system.IOT is used along with AI which provides enhanced features in finding out delays.
4.	Social Impact / Customer Satisfaction	By predicting the delays ,it helps the passengers to plan accordingly to their work or trip which avoids the last minute stress
5.	Business Model (Revenue Model)	By using this solution, it makes passengers to avoid delays which increases more number of people to use railway mode of transportation which increases the revenue of railways
6.	Scalability of the Solution	Using IoT in railways, increased the use of trains among people due to its convenient usage. According to Allied Market Research reported that the market was valued at \$135 billion USD in 2016 and was expected to grow to \$328 billion USD by 2023.