Ideation Phase
Literature Survey

Date	19 September 2022
Team ID	PNT2022TMID35911
Project Name	Smart solution for Railways
Maximum Marks	4 Marks

S.No	Paper Title	Journal/Conference	Year	Inference
1	Passenger Monitoring Model for Easily Accessible Public City Trams/Trains	IEEE	2009	It is possible to travel cross country with a single public transportation card, using Transport systems of several transport operators. Applicable only for passenger monitoring. But applicable only for passenger monitoring
2	Safety verification for train traffic control Communications	IEEE	2012	Distance travelled is effectively used.But distance scanning alone will not be able to determine the actual number of free riders.
3	Unmanned Level Crossing Controller and Rail Track Broken Detection System Using IR Sensors and Internet of Things Technology	ICICCT Conference, ResearchGate	2015	Unmanned gate crossing controller system used FM communication system and its having high performance systems with high safety requirements such as Level Crossing Control (LCC) But Lot of time is taken, and all in one in one system, makes it much complex.
4	Novel Approach for Smart Indian Railways	IEEE	2017	The main objective of this paper is to employ a mobile application through which passengers can access various ticketing options in a user-friendly and efficient manner.
5 [Base Paper]	Smart ticketing system for	I-SMAC Conference,	2017	The Paper infers that Smart Ticketing system

| | railways in smart cities using software as a service architecture | ResearchGate. | | offers a wide variety of benefits build for commuters and Railway authorities. For commuters travel is unified, simplified, cost-effective and comfortable. For Railway authorities, only authorize commuters travel, no wastage of paper, security of commuters is ensured, |