Project Design Phase-IProposedSolutionTemplate

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| Team ID | PNT2022TMID49411 |
| ProjectName | Project-Smartsolutionsforrailways |
| MaximumMarks | 2 Marks |

**ProposedSolutionTemplate:**

Projectteamshallfillthefollowinginformationinproposed solutiontemplate.

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| **S.No.** | **Parameter** | **Description** |
| 1. | Problem Statement (Problem to besolved) | In order to satisfy the passengers, the Railwaysprovides various services to its passengers But,thepassengers canfacesome problems. |
| 2. | Idea/Solutiondescription | The idea is to minimize the ticket bookingproblems among the passengers by providingOnline modeofbookingratherthanpapers.  .  In queues in front of the ticket counters inrailway stations have been drastically increasedover thetime. |
| 3. | Novelty/Uniqueness | Online mode of booking is most common andso ease of access to everyone that makes moreefficientuniquenessofutilizingthe technique.  People can book their ticket through online andtheygetaQRcodethroughSMS |
| 4. | SocialImpact/ CustomerSatisfaction | Customers for sure they get satisfied as theyare in the fast roaming world this techniquemakesmoreeasierfortravellingpassengers.  A web page is designed in which the user canbook tickets and will be provided with the QRcode, which will be shown to the ticketcollector and by scanning the QR code theticketcollectorwill get thepassengerdetails. |
| 5. | BusinessModel(RevenueModel) | A web page is designed in which the user canbookticketsandwill beprovidedwiththe QRcode,whichwillbeshown totheticketcollectorandbyscanningtheQRcode theticketcollectorwill get thepassenger details.  The booking details of the user will be stored inthedatabase, whichcanberetrievedanytime. |

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| 6. | ScalabilityoftheSolution | The scalability of this solution is most feasibleamongthepassengerswhoarewilling totravel.  No needoftakingprintout  Counter ticket has to be handled with care, butSMSonmobile isenough.  No need to taking out wallet and showing yourticket to TTR just tell your name to TTR that youarea passengerwithvalidproof. |