Project Design Phase-I
Proposed Solution

S.No.	Parameter	Description
1.	Problem Statement (Problem to be solved)	Railway passengers need **hospitablity** in the case of any **emergency**
2.	Idea / Solution description	➢ Smart railway using iot (hospitablity) , by connecting passenger using smart iot system by **tab** device ➢ In case of emergency, the affected person can **touch** the tab emergency button ➢ That will alert the **helper** in a train, who is also **connected** with alarm ➢ Helper is **assigned** for emergency needs, who knows first aid and have all **emergency** kid
3.	Novelty / Uniqueness	➢ Using **iot** ,which is the main for this system, power source for the helper in the form of tab device ➢ **Ultrasonic sensor** which performs the function of alerting the helper , that the passenger needs immediate help ➢ **Bolt-iot cloud** which is software website we have to create ➢ **Adruino- uno** which is used in this system for easy to use programmable open source microcontroller board
4.	Social Impact / Customer Satisfaction	➢ This system will help the people who suffer in **heart attacks** and other main problems ➢ This system will help for **hospitablity** and other needs also ➢ This will create a **awareness** to people and when they came to

		know they will **feel safe** to travel in train
5.	Business Model (Revenue Model)	❖ **Adruino** is flexible , **low cost** and easy to programmable ❖ **Ultrasonic sensor** can be used in **dark** environment , it will not affect by colour or **transparency** of objects
6.	Scalability of the Solution	➢ **95%** , it can reduce emergency needs of passenger, if they need **immediate** need helper will be there **24/7 to help**