Project Design Phase-II
Solution Requirements (Functional & Non-functional)

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Project Name	Smart Railway systems using IOT
Maximum Marks	4 Marks

Functional Requirements:

Following are the functional requirements of the proposed solution.

FR No.	Functional Requirement (Epic)	Sub Requirement (Story / Sub-Task)
FR-1	Message to Doctor	Message through **SMS** Message through **Call over Internet**
FR-2	User inputs	An IOT device which has various options ,thus it helps the user to communicate better.
FR-3	Web Application	It is done by using IBM IOT platform and with the help of NODE red app.
FR-4	IOT device	We can make use of tabs in the compartment of the train.

Non-functional Requirements:

Following are the non-functional requirements of the proposed solution.

FR No.	Non-Functional Requirement	Description
NFR-1	**Usability**	In Train,We are having an in – built device,which will be **easy to use** by the passengers.
NFR-2	**Security**	For this process it doesn't require any personal details. Hence,**high** Security.
NFR-3	**Reliability**	Officials of the Railway will install this and create awareness ,thus it is **more** reliable.
NFR-4	**Performance**	This is a new technology,which has **high** performance ,since we are using an IOT device.
NFR-5	**Availability**	It is fixed in the compartments of the train and hence it is available **easily**.
NFR-6	**Scalability**	If it's usage is more,we can increase the no of in – built IOT device,thus it is scalable.