**Project Design Phase-II Functional Requirements**

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| **Date** | 09 NOVEMBER 2022 |
| **Team ID** | PNT2022TMID47949 |
| **Project Name** | Smart Solution for Railways |

**Functional Requirements:**

Following are the functional requirements of the proposed solution.

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| **FR No.** | **Functional Requirement (Epic)** | **Sub Requirement (Story / Sub-Task)** |
| FR-1 | User Registration | Registration through Form  Online Payment for the service |
| FR-3 | User Authentication | User verification through valid user id and password |
| FR-4 | User access | Real Time for tickets booking through web portal for authorized users |
| FR-5 | User alert | Gets alert as an SMS message  Gets an alert alarm in the working area. |
| FR-6 | Account creation in the IBM Watson Cloud | Registration through (Google,Apple,Microsoft)or password registration. |
| FR-7 | Account creation in Red Node | Registration through (Google,Apple,Microsoft)or password registration. |
| FR-8 | Gas sensor,Raspberry PI board,Connections | Hardware Requirements for Gas leakage monitoring and alerting system. |
| FR-9 | GSM Module | For sending FAST SMS to the user |