ProjectDesignPhase-II
Solution Requirements(Functional&Non-functional)

Date03October2022

TeamIDPNT2022TMID41867

ProjectNameProject- SignswithSmartConnectivity forBetterRoadSafety

4
MarksMaximum
Marks

Functional Requirements:

Following are the functional requirements of the proposed solution.

FRNo.FR-1
FunctionalRequirement(Epic) UserVisibility

FR-2
UserUnderstanding
Sub Requirement (Story / Sub-Task) Sign Boards should be made of brightcolouredLEDscapableofattractingdriver'sattentionNottoodistractingtocauseaccidents Should display information through means like images/illustrations with textso that the user can understand the signs correctly Display should be big enough todisplay all the signs correctly so that it is visible even to far away drivers
FR-3
UserConvenience

Non-functional Requirements:

Followingarethenon-functionalrequirementsoftheproposedsolution.

FRNo.NFR-1

Non-FunctionalRequirementUsability

Description Should be able to dynamically update with respect to time. Should besecure enough that only the intended messages are displayed in the display. Shouldconveythe traffic information correctly.

NFR-2

Security

NFR-3

Reliability

NER-4

Performance

DisplayshouldupdatedynamicallywhenevertheweatherortrafficvaluesareupdatedShould be on service 24/7

NFR-5

Availability

NER-6

Scalability

Shouldbemodularandhenceabletoscaleonservershorizontally.