

**ProjectDesignPhase-  
IISolutionRequirements**

|             |   |
|-------------|---|
| Date        | 17October2022                                 |
| TeamID      | PNT2022TMID25269                              |
| ProjectName | SignswithSmartConnectivityforBetterRoadSafety |

**FunctionalRequirements:**

| FRNo. | FunctionalRequirement | Sub-Requirement  |
|-------|-----------------------|--|
| FR-1  | Convenience           | Theimplementeddevicemustnotbeadistractiantotheusual driving experience |
| FR-2  | Understanding         | InformationConveyedmustbeunderstandablebyanyon e drivingthe vehicle    |
| FR-3  | Visibility            | TrafficandWeatherConditionsmustnotbeahindrancetothe signs              |

**Non-functionalRequirements:**

| NFRNo. | Non-FunctionalRequirement       | Description                                       |
|--------|---------------------------------|---|
| NFR-1  | Security                        | Onlyintendeddatamustbedisplayedandcollected.      |
| NFR-2  | Capacity                        | LowStoragerequirements,physicallyandmemory- wise. |
| NFR-3  | Compatibility                   | Suitableforalltypesofvehicles                     |
| NFR-4  | ReliabilityandAvailability      | Mustworkonallconditions                           |
| NFR-5  | MaintainabilityandManageability | Easytomanagebyanyoneandservicemustbequick         |
| NFR-6  | Scalability                     | Mustbeabletomanagehugeworkloads                   |
| NFR-7  | Usability                       | Easytousedespitetheenvironmentalconditions        |