Project Design phase -II

Solution requirements (functional)

Date	28 -10-2022
Team id	PNT2022TMID52163
Project name	Signs with smart connectivity for better road safety
Maximum marks	4 marks

Functional requirement

Business requirement	User requirement	Product requirement
Better Traffic Management and Safety – Through refined telematics and intelligent technology, it can be easier to "read" the locations and speeds of vehicles, such as those in a fleet.When vehicles and smart traffic control systems are connected via the cloud, the end results may be more manageable traffic, decreased gridlock, and better traffic	Smart road systems that are deployed in Smart Cities require extensive sensor networks that create huge volumes of data on traffic flow and public transit systems. These systems gather data from thousands of traffic cameras, road detectors, traffic lights, parking meters, air quality and other sensors, mobility apps and connected cars.	When vehicles approach such a sign on the roadway, vital information is imparted to their drivers via their dashboard or their head-up display. Along with the visual data, voice narration may also be used to indicate changing roadway conditions. Instead of trying to read passing road indicators, drivers are thus better able to pay attention to the road.