

Project Design phase -II

Solution requirement (non functional)

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

Non functional requirement

Scalability	Portability	Compatibility
<p>Scalability assesses the highest workloads under which the system will still meet the performance requirements. There are two ways to enable your system scale as the workloads get higher: horizontal and vertical scaling. Horizontal scaling is provided by adding more machines to the pool of servers.</p> <p>Vertical scaling is achieved by adding more CPU and RAM to the existing machines.</p>	<p>Portability determines how a system or its element can be launched within one environment or another. It usually includes hardware, software, or other usage platform specifications. Put simply, it establishes how well actions performed via one platform are run on another. Also, it prescribes how well system elements may be accessed and may interact from two different environments. A program running on Windows 10 must be able to run on Windows 11 without any change in its behavior and performance.</p>	<p>Compatibility, as an additional aspect of portability, defines how a system can coexist with another system in the same environment. For instance, software installed on an operating system must be compatible with its firewall or antivirus protection.</p>