

PROJECT DESIGN PHASE-I

SOLUTION ARCHITECTURE

Date	01-10-2022
Team ID	PNT2022TMID28269
Project Name	Signs with Smart Connectivity for Better Road Safety

PROBLEM STATEMENT

In present Systems the road signs and the speed limits are Static. But the road signs can be changed in some cases. We can consider some cases when there are some road diversions due to heavy traffic or due to accidents then we can change the road signs accordingly if they are digitalized. This project proposes a system which has digital sign boards on which the signs can be changed dynamically. If there is rainfall then the roads will be slippery and the speed limit would be decreased. There is a web app through which you can enter the data of the road diversions, accident prone areas and the information sign boards can be entered through web app. This data is retrieved and displayed on the sign boards accordingly.

SOLUTION ARCHITECTURE

Solution architecture is the process of developing solutions based on predefined processes, guidelines and best practices with the objective that the developed solution fits within the enterprise architecture in terms of information architecture, system portfolios, integration requirements and many more. It can then be viewed as a combination of roles, processes and documentation that are intended to address specific business needs, requirements or problems through the design and development of applications and information system.

SOLUTION ARCHITECTURE FOR SIGNS WITH SMART CONNECTIVITY FOR BETTER ROADS SAFETY:

