

**Project Design Phase-I**  
**Solution Architecture**

|               |  |
|---------------|--|
| Date          | 08 October 2022  |
| Team ID       | PNT2022TMID17542   |
| Project Name  | Project – Signs with smart connectivity for better road safety |
| Maximum Marks | 4 Marks  |

**Solution Architecture:**

- To replace the static signboards, smart connected sign boards are used. • These smart connected sign boards get the speed limitations from a web app using weather API and update automatically.
- Based on the weather changes the speed may increase or decrease.
- Based on the traffic and fatal situations the diversion signs are displayed. • Guide (Schools), Warning and Service (Hospitals, Restaurant) signs are also displayed accordingly.

**Example - Solution Architecture Diagram:**