

Project Design Phase-I Solution Architecture

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| Date | 30 September 2022 |
| Team ID | PNT2022TMID32727 |
| Project Name | Signs with smart connectivity for better road safety |
| Maximum Marks | 4 Marks |

Solution Architecture:

Solution architecture is a complex process – with many sub-processes – that bridges the gap between traffic problems and technology solutions. Its goals are to:

- 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.
- Different modes of operations can be selected with the help of buttons.

Solution Architecture Diagram:

