

**IDEATION PHASE**  
**BRAINSTORM AND IDEA**  
**PRIORITIZATION TOP THREE IDEAS**

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<b>Project</b>	<b>Signs with Smart Connectivity for better road safety</b>

**Brainstorm Top 3 Ideas**

**Idea 1: The sign boards are used as dynamically instead of statically**

- 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.

**Idea 2: By using webapp we can enter and retrieve the data and the correct sign symbols are displayed accordingly**

- There is a web app through which you can enter the data of the
  - Road diversions &
  - Accident prone areas
- The information sign boards can be entered through webapp.
- This data is retrieved and displayed on the sign boards accordingly.

**Idea 3: By using Software and Hardware these project can be done**

- Software
  - Arduino IDE
  - Embedded C
- Hardware
  - NodeMcu ESP8266