

**Project Design Phase-I**  
**Proposed Solution Template**

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|----------------------|--|
| <b>Date</b>          | 28 September 2022                                    |
| <b>Team ID</b>       | PNT2022TMID44776                                     |
| <b>Project Name</b>  | Signs with smart connectivity for better road safety |
| <b>Maximum Marks</b> | Marks  |

**Proposed Solution Template:**

Project team shall fill the following information in proposed solution template.

| <b>S.No.</b> | <b>Parameter</b>                                | <b>Description</b>  |
|--------------|---|---|
| <b>1.</b>    | <b>Problem Statement (Problem to be solved)</b> | <ul style="list-style-type: none"><li>• To prevent the road accidents from happening using IOT.</li></ul>   |
| <b>2.</b>    | <b>Idea / Solution description</b>              | <ul style="list-style-type: none"><li>• By preparing a smart signs using IOT instead of regular signs hung on the road.</li><li>• Smart signs are built with IOT and LED are used.</li></ul>  |
| <b>3.</b>    | <b>Novelty / Uniqueness</b>                     | <ul style="list-style-type: none"><li>• Since LED's are used which is visible from afar.</li><li>• The smart signs consists of temperature,humidity,wind speed.</li><li>• These information are received from weather monitoring app.</li><li>• It also gives information about nearby places such as hospitals,schools etc.,so that the users can decide their speeding according to that information.</li></ul> |
| <b>4.</b>    | <b>Social Impact / Customer Satisfaction</b>    | <ul style="list-style-type: none"><li>• These create a noticable impact on the road saftey department.</li><li>• By deciding a speed limit for the user,there is significant chance in reducing the accidents.</li></ul>  |
| <b>5.</b>    | <b>Business Model (Revenue Model)</b>           | <ul style="list-style-type: none"><li>• By executing these for commoners by the government ,it is a great intiative in creating a awareness amonfg the people.</li><li>• A separate budget can be allotted for this by the government,which paves a way for a safer environment.</li></ul>  |