

Project Design Phase-I Proposed Solution Template

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| Date | 12 OCTOBER 2022 |
| Team ID | <u>PNT2022TMID29335</u> |
| Project Name | Signs with smart connectivity for better road safety |
| Maximum Marks | MARKS |

Proposed Solution Template:

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

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

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| 6. | Scalability of the Solution | <input type="checkbox"/> It has greater chance in reducing the risk for the people as it is more visible than the normal signs,which saves a lot of lives at stake. |
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