

Ideation Phase

Define the Problem Statements

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| Date | 6 th November 2022 |
| Project Name | Signs with Smart Connectivity for Better Road Safety |

| USUAL SCHEDULE | BUT... | REASON | SOLUTION...? | RESULT |
|--------------------------|---|---|---|---|
| On my way to work | ROAD WORK AHEAD AND I AM LATE | Sign boards are dynamic and alternate route is not updated on time | Updating the sign boards with smart sign boards which will change dynamically. | Now we have improved road safety and also whenever there is a collision ahead alternate route will be shown and we will never be late |
| Walking in public cities | There are no proper signs which has to be controlled manually | sign boards are static | updating the sign boards so that the vehicles will be notified to slow down in a certain speed limit in busy cities | No we can be safer and no longer to be afraid of crossing the roads in public cities |
| Riding bicycles | No sign boards to indicate separate lanes | people are afraid to ride since there is no updated sign boards for cycle lanes | use smart sign boards and indicate a separate lanes for cycle | This helps people in remote transport |

| Problem Statement (PS) | USUAL SCHEDULE | But | REASON | SOLUTION..? | RESULT |
|-------------------------------|--------------------------|---|---|---|---|
| PS-1 | On my way to work | ROAD WORK AHEAD AND I AM LATE | Sign boards are dynamic and alternate route is not updated on time | Updating the sign boards with smart sign boards which will change dynamically | Now we have improved road safety and also whenever there is a collision ahead alternate route will be shown and we will never be late |
| PS-2 | Walking in public cities | There are no proper signs which has to be controlled manually | sign boards are static | updating the sign boards so that the vehicles will be notified to slow down in a certain speed limit in busy cities | No we can be safer and no longer to be afraid of crossing the roads in public cities |
| PS-3 | Riding bicycles | No sign boards to indicate separate lanes | people are afraid to ride since there is no updated sign boards for cycle lanes | use smart sign boards and indicate a separate lanes for cycle | This helps people in remote transport |