

Project Design Phase – 1

Problem - Solution Fit

TEAM ID :	PNT2022TMID26590
PROJECT NAME :	SIGNS WITH SMART CONNECTIVITY FOR BETTER ROAD SAFETY

1.CUSTOMER SEGMENT(S)

People say road kills one person every 24 seconds

6. CUSTOMER CONSTRAINTS

Identify accidents because over 50% fatal crashes on roadways with speed limit 55mph.

5. AVAILABLE SOLUTIONS

Speed limit to be displayed automatically according to the weather condition.

In fatal solutions the diversion signs are displayed automatically.

2. JOBS-TO-BE-DONE / PROBLEM

Determine the speed limit for the road on the vehicles with auto break system.

9. PROBLEM ROOT CAUSE

The higher speed the higher accident risk and the more severe the accident consequences.

7. BEHAVIOUR

Protect the persons from accidents.

<p>3. TRIGGER TR</p> <p><u>Causes on road traffic:</u></p> <p><u>Traveltime, mobility, accessibility, imp</u> acts on environment.</p>	<p>10. YOUR SOLUTION SL</p> <p>Simple programming modes of traffic in order to avoid congestion and to improve traffic smart programming and digitization can be used to control traffic light operations in both <u>larger</u> and smaller urban areas.</p>	<p>8. CHANNELS of BEHAVIOUR CH</p> <p>8.1 ONLINE The speed limitation & diversion signs must be updated in <u>whatsapp web</u></p> <p>8.2 OFFLINE Strict enforcement and implementation of law on equality basis plays a vital role in road safety.</p>
<p>4. EMOTIONS: BEFORE / AFTER</p> <p><u>BEFORE</u></p> <p>For every 1% increase in mean speed there is a 4% increase in fatal crash</p> <p><u>After</u></p> <p>Use new technology such as smart light traffic system and traffic control system are implemented EM</p>		