

Project Design Phase-I Problem – Solution Fit Template

Date	19 September 2022
Team ID	PNT2022TMID26631
Project Name	SIGNS WITH SMART CONNECTIVITY FOR BETTER ROAD SAFETY
Maximum Marks	2 Marks

Template:

<p><u>1. CUSTOMER SEGMENT(S)</u> People say road kills one person every 24 seconds</p>	<p><u>6. CUSTOMER CONSTRAINTS</u> Identify accidents because over 50% fatal crashes on roadways with speed limit 55mph.</p>	<p><u>5. AVAILABLE SOLUTIONS</u> Speed limit to be displayed automatically according to the weather condition. In fatal solutions the diversion signs are displayed automatically.</p>
<p><u>2. JOBS-TO-BE-DONE / PROBLEM</u> Determine the speed limit for the road on the vehicles with auto break <u>system</u>.</p>	<p><u>9. PROBLEM ROOT CAUSE</u> The higher <u>speed</u>, the higher accident risk and the more severe the accident consequences.</p>	<p><u>7. BEHAVIOUR</u> Protect the persons from accidents.</p>
<p><u>3. TRIGGER</u> TR <u>Causes on road traffic:</u> <u>Traveltime, mobility, accessibility imp</u> acts on environment.</p> <p><u>4. EMOTIONS: BEFORE / AFTER BEFORE</u> For every 1% increase in mean speed there is a 4% increase in fatal crash <u>After</u> Use new technology such as smart light traffic system and traffic control system are implemented EM</p>	<p><u>10. YOUR SOLUTION</u> SL 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><u>8. CHANNELS of BEHAVIOUR</u> CH 8.1 ONLINE The speed limitation & diversion signs must be updated in <u>whatsapp</u> web 8.2 OFFLINE Strict enforcement and implementation of law on equality basis plays a vital role in road safety.</p>