

DATE	15 OCTOBER 2022
TEAM ID	PNT2022TMID46185
PROJECT	SIGNS WITH SMART CONNECTIVITY FOR BETTER ROAD SAFETY
MARKS	4 MARKS

IOT based Signs With Smart Connectivity for Better Road Safety

<div>SCENARIO</div> <div>Browsing, booking, attending, and rating a local city tour</div>	<div></div> <div>Entice</div> <div>How does someone initially become aware of this process?</div>	<div></div> <div>Enter</div> <div>What do people experience as they begin the process?</div>	<div></div> <div>Engage</div> <div>In the core moments in the process, what happens?</div>	<div></div> <div>Exit</div> <div>What do people typically experience as the process finishes?</div>	<div></div> <div>Extend</div> <div>What happens after the experience is over?</div>
<div></div> <div>Steps</div> <div>What does the person (or group) typically experience?</div>	<div>Through Friends who experience this technology</div> <div>By travelling often on roads</div>	<div>Developing knowledge about the technology</div> <div>Being Conscious while driving</div>	<div>Traffic Congestion if any will be detected</div> <div>Speed of the car is limited</div> <div>Road Condition will be Updated</div> <div>Driver's activities has to be monitored</div> <div>Condition of the Car will be detected</div>	<div>Safe and comfortable journey</div> <div>Developing right attitude about road safety</div> <div>Experience the product fulfilment</div>	<div>Sharing their experience with friends</div> <div>Feel the Pleasant journey</div>
<div></div> <div>Interactions</div> <div>What interactions do they have at each step along the way?<ul style="list-style-type: none">■ People: Who do they see or talk to?■ Places: Where are they?■ Things: What digital touchpoints or physical objects would they use?</div>	<div>Seeking help for making comfortable journey</div> <div>Getting Education about the dynamic display</div>	<div>Observe the dynamic monitor</div> <div>Seeking right way to Travel</div> <div>Update routes in the platform that will be conveyed to respective technical teams</div>	<div>Can Get information about the road</div> <div>By following the directions, the person can able to have safe travel</div> <div>Speed limit, Vehicle condition and driver's activity will be monitored</div>	<div>Will get the knowledge about the display</div> <div>Feels a comfortable journey</div>	<div>Lack of risk</div> <div>Traffic Management</div>
<div></div> <div>Goals & motivations</div> <div>At each step, what is a person's primary goal or motivation? ("Help me..." or "Help me avoid...")</div>	<div>Help me to travel along the road</div> <div>Help me to know what are the facilities available</div>	<div>Direct them to the right path</div> <div>Help them to be conscious while travelling</div>	<div>Help them to travel in the right path</div> <div>Help them to travel with limited speed</div> <div>Help them to travel safely by Warning about the dangerous zone</div>	<div>Help them to finish the journey with good feelings and no awkwardness</div> <div>They will feel happy and comfortable</div>	<div>Help them to enhance a safe journey</div> <div>Feels Confident about their way</div>
<div></div> <div>Positive moments</div> <div>What steps does a typical person find enjoyable, productive, fun, motivating, delightful, or exciting?</div>	<div>They feel it might be efficient technique</div> <div>Customer gets excited about the implementation of smart sign boards</div> <div>Eager to learn about Technology in smart road ways</div>	<div>Enhance customer safety</div> <div>Exciting to travel in the road where they are in comfort zone while traveling</div> <div>Wonder about welcome message alert</div>	<div>Strategic Traffic Management</div> <div>Withstand in custom environmental conditions</div>	<div>Feel relax</div> <div>Safe and secure</div> <div>Made their time efficiently</div>	<div>Avoid getting late to their important commitments</div>
<div></div> <div>Negative moments</div> <div>What steps does a typical person find frustrating, confusing, angering, costly, or time-consuming?</div>	<div>Lack of coordination</div> <div>There may be Traffic delays and breakdown</div> <div>Be conscious about traffic signs</div>	<div>Many Checkpoints irritates the Drivers</div> <div>Must have effective conscious</div>	<div>The speed limit technique may spoil the mood of driving</div> <div>May result in Confusion when there is any failure in the system</div>	<div>Toll charges are high</div> <div>Bad weather condition affects Driving</div>	<div>Might be an Expensive Technique</div> <div>Fails in case of roads with bad condition</div>
<div></div> <div>Areas of opportunity</div> <div>How might we make each step better? What ideas do we have? What have others suggested?</div>	<div>Getting suggestions from user</div> <div>Collection of information from customers</div>	<div>How effective the Implementation of smart sign display</div> <div>How beneficial to us</div>	<div>It provides howmuch accuracy</div> <div>How to collect weather information</div> <div>Feedback collection through forum</div>	<div>How comfortable they feel</div> <div>How easy to use and the registration process</div> <div>How it eliminate the tensed situation while peak hours</div>	<div>Howmuch useful to the commuters for better safety</div> <div>Improves Visibility</div> <div>Pleasant journey Experience</div>