

## Project Planning Phase Milestone and Activity List

|                     |   |
|---------------------|---|
| <b>Date</b>         | 13 November 2022  |
| <b>Team ID</b>      | PNT2022TMID42177  |
| <b>Project Name</b> | Signs with smart connectivity<br>for better road safety |

| <b>TITLE</b>                                | <b>DESCRIPTION</b>  | <b>DATE</b>                  |
|---|---|------------------------------|
| Literature Survey&<br>Information Gathering | A literature review is a comprehensive summary of previous researches on the topic. The literature review surveys scholarly articles, books, and other sources relevant to a particular area of research.                       | 3 <sup>rd</sup> October 2022 |
| Prepare Empathy Map                         | An empathy map is a collaborative tool teams can use to gain a deeper insight into their customers. It helps us to understand the customers' pain, gain and difficulties from their point of view.                              | 3 <sup>rd</sup> October 2022 |
| Ideation-<br>Brainstorming                  | Brainstorming is a group problem-solving method that helped us to gather and organize various ideas and thoughts from team members.   | 3 <sup>rd</sup> October 2022 |
| Define Problem<br>statement                 | The Customer Problem Statement helps us to focus on what matters to create experiences people will love. A well-articulated customer problem statement allowed us to find the ideal solution for the challenges customers face. | 3 <sup>rd</sup> October 2022 |

|                       |   |                               |
|-----------------------|---|-------------------------------|
|                       |   |                               |
| Problem Solution Fit  | It helped us understand and analyze all the thoughts of our customer, their choice of options, problems, root cause, behavior and emotions.   | 21st October 2022             |
| Proposed solution     | It helped us analyze and examine our solution more in the grounds of uniqueness, social impact, business model, scalability etc.  | 21st October 2022             |
| Solution Architecture | Solution architecture is a complex process – with many sub-processes – that bridges the gap between business problems and technology solutions. It helped us understand the features and components used to complete the project. | 21st October 2022             |
| Customer journey map  | It helped to analyse the various steps, interactions, goals and motivation, positives, negatives and opportunities.   | 22 <sup>nd</sup> October 2022 |
| Solution requirements | It briefs about functional and non-functional requirements. It involves the various steps in the entire process. It also specifies features usability, security, reliability, performance, availability and scalability.          | 22 <sup>nd</sup> October 2022 |
| Technology stack      | A tech stack is the combination of technologies a company uses to build and run an application or project. It helps us analyse and understand various technologies that need to be implemented in the project.                    | 22 <sup>nd</sup> October 2022 |
| Data flow             | A Data Flow Diagram (DFD) is a traditional visual representation of   | 22 <sup>nd</sup> October 2022 |

|  |  |                                |
|--|--|--------------------------------|
|  | the information flows within a system. A neat and clear DFD can depict the right amount of the system requirement graphically. It shows how data enters and leaves the system, what changes the information, and where data is stored. |                                |
| Sprint Delivery plan                       | Sprint Planning is an event in scrum that defines what can be delivered in the upcoming sprint and how that work will be achieved. It helps us to organise and complete the work effectively and efficiently.                          | 13 <sup>th</sup> November 2022 |
| Prepare milestone and activity list        | Helps us understand and evaluate our progress and accuracy so far.   | 13 <sup>th</sup> November 2022 |
| Project Development - Delivery of Sprint-1 | Develop and submit the developed code by testing it.   | 15 <sup>th</sup> November 2022 |