**PROJECT PLANNING PHASE**

MILESTONE AND ACTVITY LIST

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| Team ID | PNT2022TMID52303 |
| Project Name | Smart Waste Management System for Metropolitian cities. |

**Milestone:**

01

04444

03

02

05

1 week

**FINAL RELEASE**

Publish of product into market after alpha and beta testing and customer feedback will gathered to improve the product.

3 week

**CODING & TESTING**

Create python code and web interface based on red node JS and connect the IOT device by python script and report it in web interface.

1week

**GATHERING INFORMATION**

Gather requirements and basic purpose of the project.

1-2 week

**ASSIGNING**

Assigning task for each person and split the project work based the technical and project requirements.

2-3 week

**DESIGNING**

Understanding the functional requirements of the project and create architecture diagram and flow chart diagram and creating outer layer of UI design.

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| TITLE | DESCRIPTION |
| **Literature Survey & Information Gathering** | Literature Survey on the selected project & gathering information by referring the, technical papers, research publications etc. |
| **Prepare Empathy Map** | Prepare Empathy Map canvas to capture the user pains & Gains, prepare list of problem statements. |
| **Ideation** | List the organizing of brainstorming session and prioritize the top 3 ideas based on the feasibility & importance. |
| **Proposed Solution** | Prepare the proposed solution document, which includes the novelty, feasibility of idea, business model, social impact, scalability of solution, etc. |
| **Problem Solution Fit** | Prepare problem-solution fit document. |
| **Solution Architecture** | Prepare solution architecture document. |
|  | **Customer Journey** | Prepare the customer journey maps to understand the user interactions & experiences with the application. |
| **Functional Requirement** | Prepare the functional requirement document. |
| **Data Flow Diagrams** | Draw the data flow diagrams and submit for review. |
| **Technology Architecture** | Prepare the technology architecture diagram. |
| **Prepare Milestone& Activity List** | Prepare the milestones& activity list of the project. |
| **Project Development-Delivery of sprint-1,2,3&4** | Develop& submit the developed code by testing it. |