Project Planning Phase Milestone and Activity List

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| Date | 21 October 2022 |
| Team ID | PNT2022TMID13652 |
| Project Name | Smart Waste Management System for Metropolitan Cities |

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| **TITLE** | **DESCRIPTION** | **DURATION** |
| **IBM cloud account & Python software installation** | Creating IBM cloud account for further process of the project and installing python software to create python code required for the project | 1day |
| **Creation of IBM Watson IOT platform** | Creating IBM Watson IOT platform using IBM cloud account and activate lite account for the further processing of the project. | 1 day |
| **Creation of Node red service** | Creating node red service platform using IBM cloud account and activate lite account for the further processing of the project. | 1 day |
| **Creation of Database in Cloudant DB** | Creating of Database platform using IBM cloud account and activate lite account for the further processing of the project | 1 day |
| **Literature Survey & Information Gathering** | Making survey of various literatures related to the selected project & gathering information by referring the, technical papers, research publications etc. | 1 week |
| **Prepare Empathy Map** | Prepare Empathy Map Canvas to capture the user Pains & Gains by collaborating with other team members in mural platform | 1 day |
| **Brainstorming and prioritization** | Prepare the brainstorming and prioritization to capture the ideas by collaborating with other team members in mural platform |  |
| **Ideation** | List the by organizing the brainstorming session and prioritize the top 3 ideas based on the feasibility & importance. | 1 week |
| **Proposed Solution** | Prepare the proposed solution document, which includes the novelty, feasibility of idea, business model, social impact, scalability of solution, etc. | 2 days |
| **Problem Solution Fit** | Prepare problem - solution fit by analyzing the problem statement. | 2 days |
| **Solution Architecture** | Prepare solution architecture by analysing the problem statement | 2 days |

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| **Customer Journey** | Prepare the customer journey maps to understand the user interactions & experiences with the application. | 2 days |
| **Functional Requirement** | Prepare the functional requirement document. | 3 days |
| **Data Flow Diagrams** | Draw the data flow diagrams and submit for review. | 3 days |
| **Technology Architecture** | Prepare the technology architecture diagram. | 1 week |
| **Prepare Milestone & Activity List** | Prepare the milestones & activity list of the project. | 1 day |
| **Sprint delivery and planning** | Prepare thesprint delivery and planning of the project. | 3 days+ |
| **Project Development - Delivery of Sprint-1, 2, 3 & 4** | Develop & submit the developed code by testing it. | 2 weeks |
| **Final Deliverables** | Final code related to the problem statement and creating report regarding problem statement. | 2 weeks |