**PROJECT PLANNING PHASE**

**PROJECT PLANNING TEMPLATE**

**(MILESTONE & ACTIVITY LIST)**

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| **Date** | 08 November 2022 |
| **Team ID** | PNT2022TMID35428 |
| **Project Name** | Industry-specific intelligent fire management system |

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| **Milestone No.** | **Milestone** | **Task Description** | **Milestone status** |
| **Milestone 1** | **Ideation Phase** | In this activity, we must collect the permanent data for the project use case and consult any recent developments, technical papers, research articles, etc. | Completed |
| **Literature survey on selected project and Information gathering** |
| **Problem Statement** | Pertaining to the problem experienced by clients and the suggested solution | Completed |
| **Prepare Empathy Map** | In order to capture the user's gains and sufferings, we must set up the empathy map canvas for this task. List potential problem formulations. | Completed |
| **Ideation** | As part of this exercise, we are expected to create a list of ideas by setting up the brainstorming session and to rank the top three ideas according to their viability and significance. | Completed |
| **Milestone 2** | **Project Design Phase-I** | For this assignment, we must develop a proposed solution document outlining the navelless, viability of the concept, commercial strategy, social impact, scalability of the solution, etc. | Completed |
| **Proposed Solution** |
| **Problem Solution**  **Fit** | For this work, we must produce a problem solution-fit paper and submit it for approval. | Completed |

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|  | **Solution**  **Architecture** | For this task, we must write a solution architecture paper and submit it for evaluation. | Completed |
| **Milestone 3** | **Project Design Phase - II** | To understand how users interact with and use the application, customer journey maps were created (entry to exit). | Completed |
| **Customer Journey** |
| **Functional Requirement** | In this task, we are supposed to draught the functional requirement document. | Completed |
| **Data Flow Diagrams** | For this task, we are required to create the data flow diagrams and submit them for review. | Completed |
| **Technology Architecture** | We are required to develop the technological architecture diagram for this activity. | Completed |
| **Milestone 4** | **Project Planning Phase** | The project's milestones and activity list are to be prepared during this activity. | Completed |
| **Prepare Milestone & Activity List** |
| **Sprint Delivery Plan** | The sprint delivery plan preparation is what we are expected to do in this activity. | In Progress |
| **Milestone 5** | **Project**  **Development Phase** | We will begin project development at this point and plan to complete coding and solutions, acceptability testing, and performance testing based on the sprint and submit them. | In Progress |
| **Development of**  **Sprint 1,2,3,4** |
| **Milestone 6** | **Data Collection** | We will be collecting data on this in order to develop our research. We'll make two folders: one for testing, the other for training. The model will be developed using photos from the training folder, and it will be validated using photos from the testing folder.. | |
| **Milestone 7** | **Model Building** | Initialization, inclusion of convolutional layers, and layer pooling Layer flattening and complete layer joining | |
| **Milestone 8** | **Test the Model** | Presently, we perform a model test by giving it a picture and asking it to make predictions. We must make sure the test image is scaled before sending it to the model, that its dimensions are accurate, and that it is the test image's appropriate size for the model. | |
| **Milestone 9** | **Application Building** | We will now create a Flask application in order to design our user interface and connect to the model in the backend to get predictions. A Python file is required for the backend, which manages the model interface, and an HTML page is required for the frontend of a Flask application. | |