**Project Planning Phase**

**Project Planning Template (Milestone & Activity List)**

|  |  |
| --- | --- |
| Date | 25 October 2022 |
| Team ID | PNT2022TMID34081 |
| Project Name | Deep Learning Fundus Image Analysis for Early detection of Diabetic Retinopathy |
| Maximum Marks | 8 Marks |

**Product Backlog, Sprint Schedule, and Estimation (4 Marks)**

|  |  |  |  |
| --- | --- | --- | --- |
| S.NO | MILESTONE | ACTIVITIES | DATE |
| 1. | Preparation Phase | Pre-requisites | 24 Aug 2022 |
| Prior knowledge | 25 Aug 2022 |
| Project Structure | 23 Aug 2022 |
| Project Flow | 23 Aug 2022 |
| Project Objectives | 22 Aug 2022 |
| Registrations | 26 Aug 2022 |
| Environment Set-up | 27 Aug 2022 |

|  |  |  |  |
| --- | --- | --- | --- |
| 2. | Ideation Phase | Literature Survey | 29 Aug 2022 - 03 Sept 2022 |
| Empathy Map | 05 Sept 2022 - 7 Sept 2022 |
| Problem Statement | 08 Sept 2022 - 10 Sept2022 |
| Ideation | 12 Sept 2022 - 16 Sept 2022 |
| 3. | Project Design Phase -I | Proposed Solution | 19 Sept 2022 - 23 Sept 2022 |
| Problem Solution Fit | 24 Sept 2022 - 26 Sept 2022 |
| Solution Architecture | 27 Sept 2022 - 30 Sept 2022 |
| 4. | Project Design Phase -II | Customer Journey | 03 Oct 2022 - 08 Oct 2022 |
| Requirement Analysis | 09 Oct 2022 - 11 Oct 2022 |
| Data Flow Diagrams | 11 Oct 2022 - 14 Oct 2022 |
| Technology Architecture | 15 Oct 2022 - 16 Oct 2022 |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 5. | Project Planning Phase |  | Milestones & Tasks | 17 Oct 2022 - 18 Oct 2022 |
|  | Sprints | 19 Oct 2022 - 22 Oct 2022 |
| 6. | Project Development Phase |  | Sprint-1 | 24 Oct 2022 - 28 Oct 2022 |
|  | Sprint-2 | 30 Oct 2022 - 04 Nov 2022 |
|  | Sprint-3 | 06 Nov 2022- 11 Nov 2022 |
|  | Sprint-4 | 13 Nov 2022 - 18 Nov 2022 |
|  | Sprint-1 | ●  ●  ●  ●  ● | Download The Dataset  Import ImageDataGenerator  Library  Configure  ImageDataGenerator class  Import Libraries  Initialize the Model | 24 Oct 2022 – 30 Oct 2022 |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | Sprint – 2 | ●  ●  ● | Register IBM Cloud  Apply ImageDataGenerator functionality to Trainset and  Dataset  Test the model | 31 Oct 2022 – 06 Nov 2022 |
|  | Sprint – 3 | ●  ●  ● | Train the model on IBM  Create Html files  Train the Model | 07 Nov 2022 –13 Nov 2022 |
|  | Sprint – 4 | ●  ●  ●  ● | Configure The Learning  Process  Build Python code  Adding Dense Layer  Adding CNN layer | 14 Nov 2022 –20 Nov  2022 |