**Project Planning Phase**

**Project Planning (Milestones & Activity List)**

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| **Team ID** | **PNT2022TMID07312** |
| **Project Name** | **Smart Fashion**  **Recommender Application** |

**Remaining tasks (Milestones & Activities) to be completed**

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| --- | --- | --- |
| **Milestones** | **Activities** | **Description** |
| **Project Development Phase** | Delivery of Sprint – 1,2,3,4 | To develop the code and  submit the developed code by testing it |
| **Setting up App environment** | Create IBM Cloud account | Signup for an IBM Cloud account |
|  | Create flask project | Getting started with Flask to create project |
|  | Install IBM Cloud CLI | Install IBM Command  Line Interface |
|  | Docker CLI Installation | Installing Docker CLI on laptop |
|  | Create an account in send grid | Create an account in sendgrid. Use the service as email integration to our application for sending emails |
| **Implementing web Application** | Create UI to interact with Application | Create UI   * Registration page * Login page * View products page * Add products page |
|  | Create IBM DB2 & connect with python | Create IBM DB2 service in IBM Cloud and connect with python code with DB |
| **Integrating sendgrid service** | Sendgrid integration with python | To send emails form the application we need to integrate the Sendgrid service |
| **Developing a chatbot** | Building a chatbot and Integrate to application | Build the chatbot and Integrate it to the flask application |
| **Deployment of App in IBM Cloud** | Containerize the App | Create a docker image of your application and push it to the IBM container registry |
|  | Upload image to IBM container registry | Upload the image to IBM container registry |
|  | Deploy in kubernetes cluster | Once the image is uploaded to IBM Container registry deploy the image to IBM Kubernetes cluster |

**Finished tasks (Milestones & Activities)**

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| --- | --- | --- |
| **Milestones** | **Activities** | **Description** |
| **Ideation Phase** | Literature Survey | Literature survey on the selected project & information gathering |
|  | Empathy Map | Prepare Empathy map to capture the user Panis & Gains, prepare list of problem statement |
|  | Ideation | Organizing the brainstorming session and priorities the top 3 ideas based on feasibility &  Importance |
| **Project Design Phase I** | Proposed Solution | Prepare proposed solution document which includes  novelty, feasibility of ideas, business model, social impact, Scalability of solution |
|  | Problem Solution Fit | Prepare problem solution fit document |
|  | Solution Architecture | Prepare solution architecture document |
| **Project Design Phase II** | Customer Journey | Prepare customer journey map to understand the user interactions & experience with the application |
|  | Functional requirement | Prepare functional & non  functional requirement document |
|  | Data Flow Diagram | Prepare Data Flow  Diagram and user stories |
|  | Technology architecture | Draw the technology architecture diagram |
| **Project Planning Phase** | Milestones & Activity list | Prepare milestones and  activity list of the project |
|  | Sprint Delivery Plan | Prepare sprint delivery plan |