

## Project Planning Phase

### Project Planning (Milestones & Activity List)

|              |   |
|--------------|---|
| Date         | 14 November 2022                                |
| Team ID      | PNT2022TMID39256                                |
| Project Name | Project - Smart Fashion Recommender Application |

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

| 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 sendgrid                   | 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 <ul style="list-style-type: none"> <li>Registration page</li> <li>Login page</li> <li>View products page</li> <li>Add products page</li> </ul> |
|                                | 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)

| Milestones              | Activities             | Description   |
|-------------------------|------------------------|---|
| Ideation Phase          | Literature Survey      | Literature survey on the selected project & information gathering   |
|                         | Empathy Map            | Prepare Empathy map to capture the user Pains & Gains, prepare list of problem statement  |
|                         | Ideation               | Organizing the brainstorming session and prioritise 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                        |