PROJECT PLANNING PHASE

# PREPARE MILESTONE AND ACTIVITY LIST

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| Date | 4 November 2022 |
| Team ID | PNT2022TMID23716 |
| Project Name | Smart Fashion Recommender Application |
| Maximum Marks | 8 Marks |

Remaining Task:

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| MILESTONES | ACTIVITY | DESCRIPTION |
| Project development phase | Delivery of Sprint-1,2, 3, 4 | To develop the code and submit the develop the code after completion of testing |
| Setting-up app environment | Create IBM cloud account | Sign up IBM cloud account |
|  | Create flask project | Getting started with the flask to create project |
|  | Install IBM cloud cli | Install IBM command line interface (CLI) |
|  | Docker CLI installation | Installing docker CLI |
|  | Create an account in sendgrid | Create an account in sendgrid  Use service as e-mail integration to the application for sending emails |
| Implementing web application | Create UI to interact with the application | Create UI   * registration page * login page * view products page * add products page |
|  | Create IBM DB2 and connect with the Python | Create IBM DB2 in IBM cloud and link with the Python |
| Integrating sendgrid service | Sendgrid integration with the Python | To send emails from the application we need to integrate the sendgrid services |
| Developing a chat bot | Building a chat bot and integrate with the application | Build the chat bot and integrate it to the flask application |
| Deployment of app in IBM cloud | Containerise the app | Create a docker image of the application in addition to push it to the IBM container registry |
|  | Upload image to IBM container registry | Upload the image to IBM container registry |
|  | Deploy in in kubernetes cluster | Once the image is uploaded to IBM container registry deploy the image toward IBM kubernetes cluster |

Completed Tasks:

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| MILESTONES | ACTIVITY | DESCRIPTION |
| Ideation phase | Literature survey | Literature survey on the selected project and information gathering |
|  | Empathy map | Prepare empathy map to capture the user pains and  gains, prepare a list of problem statement |
|  | Ideation | Organising the  brainstorming session and prioritise the top three ideas based on feasibility hand importance |
| Project design phase 1 | 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 documents |
|  | Solution architecture | Prepare solution architecture document |
| Project design phase 2 | Customer journey map | Prepare customer journey map to understand the user interactions and experience with the application |
|  | Functional requirements | Prepare functional and non- functional necessity document |
|  | Data flow diagram | Prepare data flow diagram and user stories |
|  | Technology architecture | Draw technology architecture diagram |
| Project planning phase | Milestones and activity list | Prepare milestones and activity list of the project |
|  | Sprint delivery plan | Prepare spring delivery plan |