**Project Planning Phase**

**(Milestone and Activity List)**

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| Date | 17 October 2022 |
| Team ID | PNT2022TMID43303 |
| Project Name | Project - Inventory Management System for Retailers |
| Maximum Marks | 4 Marks |

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| **Activity**  **Number** | **Activity Name** | **Detailed Activity Description Assigned To** | | **Duration ( Start to End Date )** | **Status** |
| **1** | Create Flask Project | An application Frame work written in Python. | Kareshmmaa | Completed | |
| **2** | Create IBM Cloud | Create and log into IBM Cloud. | Sharan |
| **3** | Install IBM Cloud CLI | General-Purpose developer tool that provides access to your IBM Cloud Account. | Vishal |
| **4** | Docker CLI | Use Docker CLI configuration to customize settings. | Shubham |
| **5** | Create Account in SendGrid | Create account in SendGrid to send mails. | Kareshmmaa |
| **Implementing Web Application** | | | | | |
| **6** | Create UI to interact with  Application | Pages such as Registration, Login page, Displaying items etc. | Sharan | Completed | |
| **7** | Create IBM Db2 and  connect with Python | Create IBM Db2 service in IBM Cloud and connect with python code using DB. | Shubham |
|  |  | **Integrating SendGrid Services** | |  |  |

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| **8** | SendGrid Integration with  Python Code | | To send emails from the applications we need to integrate the SendGrid Service. | | | Vishal | | Completed | |
|  |  | | **Deployment of App in IBM Cloud** | | | | |  |  |
| **9** | Containerize the App | | Need to create Docker Image of the application and push into the IBM Container Registry. | | | Kareshmmaa | | Completed | |
| **10** | Upload Image to IBM  Container Registry | | Upload the Image to IBM Container Registry. | | | Sharan | |
| **11** | Deploy in Kubernetes Cluster | | Once the image is uploaded the IBM Container registry deploy the image to IBM Kubernetes Cluster. | | | Shubham | |
| Ideation Phase | | | | | | | | | |
| 12 | | Literature Survey on the Selected Project and Information Gathering | | Gather information about various other inventory management systems | Vishal | | Completed | | |
| 13 | | Prepare Empathy Map | | Analyse the gain and pain of the proposed project | Kareshmmaa | |
| 14 | | Ideation and Brainstorming | | Team members pool in their ideas on the project | Sharan | |
| Project Design Phase I | | | | | | | | | |
| 15 | | Proposed Solution | | Layout the solution to be implemented | Shubham | | Completed | | |
| 16 | | Problem Solution Fit | | Explore, identify and propose the use cases | Vishal | |
| 17 | | Solution Architecture | | Diagrammatically depict the solution | Kareshmmaa | |
|  | | Project design Phase II | | | | | | | |
| 18 | | Customer Journey | | Tells about how customers feel about the modules | Sharan | | Completed | | |
| 19 | | Functional Requirement | | Specifies both functional and non-functional requirements | Shubham | |
| 20 | | Dataflow Diagram | | Flowgraph of the project | Vishal | |
| 21 | | Technology Architecture | | Tech stacks used in the model is listed | Kareshmmaa | |
|  | | Project Planning Phase | | | | | | | |
| 22 | | Prepare Milestone and Activity List | | Roles and responsibilities of each team member | Sharan | | Completed | | |
| 23 | | Sprint Delivery Plan | | Various stages of the project is divided into modules | Shubham | |
|  | | Project Development Phase | | | | | | | |
| 24 | | Sprint 1 | | Login and Registration details | Vishal | | Completed | | |
| 25 | | Sprint 2 | | Dashboard and add items into the cart | Kareshmmaa | |
| 26 | | Sprint 3 | | Stock update | Sharan | |
| 27 | | Sprint 4 | | Request to customer care and contact administrator | Shubham | |