**Project Planning Phase**

**Prepare Milestone and Activity List**

|  |  |
| --- | --- |
| Team ID | PNT2022TMID07431 |
| Project Name | Inventory Management System for Retailers |

**Activity List : Setting up Application Environment**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Activity**  **Number** | **Activity Name** | **Detailed Activity Description** | **Assigned To** | | | | **Duration**  **(Start to End Date)** | | **Status** |
| **1** | Create Flask Project | An application Framework written in Python | Guhan,Guruprasath | | | | - | | Completed |
| **2** | Create IBM Cloud | Create and log into IBM Cloud | Guhan,Balakumar | | | | - | | Completed |
| **3** | Install IBM Cloud CLI | General-Purpose developer tool that provides access to your IBM Cloud Account | Guruprasath,  Gokulnath | | | | - | | In Progress |
| **4** | Docker CLI | Use Docker CLI configuration to customize settings | Balakumar,  Guruprasath | | | | 27 Oct 2022 to 30Oct 2022 | | In Progress |
| **5** | Create Account in Sendgrid | Create account in SendGrid to send mails | Balakumar,Guhan | | | | 1 Nov2022 to 5 Nov 2022 | | In Progress |
| **6** | Create UI to  Interact with  Application | Pages such as Registration, Login page, Displaying items etc. | | Balakumar,Guhan | | 07 Nov 2022 to 12 Nov 2022 | | | Not Completed |
| **7** | Create IBM  Db2 and  connect with  Python | Create IBM Db2 service in IBM Cloud and connect with python code using DB. | | | Balakumar,Guhan,  Gokulnath | | | 07 Nov 2022 to  12 Nov 2022 | Not Completed |

**IMPLEMENTING WEB APPLICATION**

**INTEGRATING SENDGRID SERVICES**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **8** | SendGrid  Integration with Python Code | To send emails from the applications weneed to integrate the SendGrid Service. | Balakumar,Guhan,  Guruprasath,Gokulnath | 07 Nov 2022 to 12 Nov2022 | Not Completed |

**DEPLOYMENT OF APP IN IBM CLOUD**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **9** | Containerize the App | Need to create Docker Image of theapplication and push  into the IBM Container  Registry | Guhan,Gokulnath | 07 Nov 2022 to  12 Nov 2022 | Not Completed |
| **10** | Upload Image to  IBM Container Registry | Upload the Image to IBM  Container Registry | Guhan,Guruprasath | 14 Nov 2022 to  19 Nov 2022 | Not Completed |
| **11** | Deploy in  Kubernetes Cluster | Once the image is uploaded the  IBM Container registry deploy the image to IBM Kubernetes Cluster | Balakumar,Guhan | 14 Nov 2022 to  19 Nov 2022 | Not Completed |