MILESTONE AND ACTIVITY LIST

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| **TEAM ID** | PNT2022TMID14121 |
| **PROJECT NAME** | Inventory Management System for Retailers |
| **MAXIMUM MARKS** | 4 Marks |

**MILESTONE**

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| Setting up the application environment | M-01 | Setting up the needed resources in the local machine |
| Integrating send grid service | M-02 | To send emails from the application, we need to integrate the SendGrid Service. |
| Deployment of the app in IBM Cloud | M-03 | Containerize a Flask application by using Docker and deploy it to the IBM Cloud Kubernetes Service |
| Ideation Phase | M-04 | Collecting information by referring to previous research on a topic and Prepare Literature Survey on the selected Project and Information Gathering, empathy map and ideation |
| Project Design Phase - I | M-05 | Prepare the proposed solution, the problem-solution fit, and the Solution Architecture. |
| Project Design Phase - II | M-06 | Create a customer journey, functional requirements, a data flow diagram, and a technology architecture |
| Project Planning Phase | M-07 | Make a list of milestones, an activity list, and a sprint delivery plan. |
| Project Development Phase | M-08 | Develop and submit Sprint 1,Sprint 2,Sprint 3 and Sprint 4 |

**ACTIVITY LIST**

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| **Activity Number** | **Activity** | **Sub Activity** | **Assigned To** | **Status** |
| 1. | Setting up Application Environment | * Create Flask Project * Create IBM Cloud Account * Install IBM Cloud CLI * Docker CLI Installation * Create An Account In Sendgrid | All Members | In Progress |
| 2. | Implementing Web Application | * Create UI To Interact With Application | All Members | In Progress |
| 3. | Integrating SendGrid Service | * SendGrid Integration With Python Code | All Members | In Progress |
| 4. | Deployment of App In IBM Cloud | * Containerize The App * Upload Image To IBM Container Registry * Deploy in Kubernetes | All Members | In Progress |
| 5. | Ideation Phase | * Literature Survey On The Selected Project & Information Gathering * Prepare Empathy Map * Ideation | All Members | Completed |
| 6. | Project Design Phase – I | * Proposed Solution * Problem Solution Fit * Solution Architecture | All Members | Completed |
| 7. | Project Planning Phase | * Prepare Milestone & Activity List * Sprint Delivery Plan | All Members | Completed |
| 8. | Project Development Phase | * Delivery Of Sprint-1 * Delivery Of Sprint-2 * Delivery Of Sprint-3 * Delivery Of Sprint-4 | All Members | Completed |