

## Milestone and activity list

|                 |   |
|-----------------|---|
| Date            | 22 October 2022   |
| Team ID         | PNT2022TMID15298  |
| Project Members | K.Kulasekhar<br>reddy,N.yeshwanth,N.chethan,<br>Harshavardhan |
| Project Name    | Plasma donar application                                      |
| Project mentors | Industry mentor – Navya<br>Faculty mentor – Jayakumar         |

| Activity number | Activity name     | Detailed activity description  | Assigned to   |
|-----------------|-------------------|--|---|
| 1               | Preparation Phase | <ul style="list-style-type: none"> <li>• Access the resources (courses) in project dashboard</li> <li>• Access the guided project workspace</li> <li>• Create GitHub account &amp; collaborate with Project Repository in project workspace</li> <li>• Set-up the Laptop / Computers based on the prerequisites for each technology track</li> </ul> | K.Kulasekhar<br>reddy,N.yeshwanth,<br>N.chethan,<br>Harshavardhan |
| 2               | Ideation Phase    |  |   |
| 2.1             | Literature survey | Literature survey on the selected project & Information Gathering  | K.Kulasekhar<br>reddy,N.yeshwanth                                 |

|     |                         |   |                          |
|-----|-------------------------|---|--------------------------|
| 2.2 | Empathy Map             | Preparation of Empathy Map Canvas to capture the user Pains & Gains   | N.chethan, Harshavardhan |
| 2.3 | Ideation                | List the ideas by organizing the brainstorming session and prioritize the top 3 ideas based on the feasibility & importance | N.chethan, Harshavardhan |
| 3   | Project Design Phase -I |   |                          |
| 3.1 | Proposed Solution       | Preparation of proposed   | K.Kulasekhar reddy       |

|     |  |  |  |
|-----|--|--|--|
|     |  | solution document, which includes the novelty, feasibility of idea, business model, social impact, scalability of solution | N.chethan  |
| 3.2 | Problem Solution Fit                   | Prepared problem is analyzed and make effective solutions for the problem  | N.chethan, K.Kulasekhar reddy                            |
| 3.3 | Solution Architecture                  | Prepare an architecture for solution   | N.yeshwanth  |
| 4   | Setting up application environment     | Creation of flask project,IBM cloud ,Docker,CLI,Sendgrid account for working with application.                             | K.Kulasekhar reddy,N.yeshwanth, N.chethan, Harshavardhan |
| 5   | Implementing Web Application           |  |  |
| 5.1 | Create UI to interact with application | Creation of user interface to interact with the application  | K.Kulasekhar reddy,N.yeshwanth                           |

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|-----|--|---|--------------------------------|
| 5.2 | Create IBM DB2 and connect with python | Creation of IBM database 2 to connect with python   | N.yeshwanth,N.chethan          |
| 6   | Integrating SendGrid Service           |   | K.Kulasekhar reddy,N.yeshwanth |
| 7   | Deployment of App in IBM Cloud         | Deployment of app in IBM and kubernetes   | K.Kulasekhar reddy,N.yeshwanth |
| 8   | Project Design Phase - II              |   |                                |
| 8.1 | RequirementAnalysis                    | Prepare the Functional Requirement and Non Functional Document  | N.chethan, K.Kulasekhar reddy  |
| 8.2 | Customer Journey                       | Preparation of customer journey maps to understand the user interactions & experiences with the application (entry to exit) | N.chethan, K.Kulasekhar reddy  |
| 8.3 | Technology Architecture                | Prepare Technology Architecture of the solution   | N.yeshwanth,N.chethan          |
| 8.4 | Data Flow Diagrams                     | Prepare a Data Flow Diagram for Project use level0 (Industry Standard)  | N.yeshwanth Harshavardhan      |
| 9   | Project Planning Phase                 |   |                                |
| 9.1 | Milestones & Tasks                     | Prepare Milestone & Activity List   | K.Kulasekhar reddy             |

|     |                  |                              |                               |
|-----|------------------|------------------------------|-------------------------------|
|     |                  |                              | N.yeshwanth                   |
| 9.2 | Sprint Schedules | Prepare Sprint Delivery Plan | N.chethan, K.Kulasekhar reddy |

|      |                           |   |                                   |
|------|---------------------------|---|-----------------------------------|
| 10   | Project Development Phase |   |                                   |
| 10.1 | Sprint -1                 | Delivery: Develop the Code, Test and push it to GitHub. | N.chethan,<br>K.Kulasekhar reddy  |
| 10.2 | Sprint -2                 | Delivery: Develop the Code, Test and push it to GitHub. | N.Yeshwanth<br>K.Kulasekhar reddy |
| 10.3 | Sprint -3                 | Delivery: Develop the Code, Test and push it to GitHub. | N.chethan,<br>N.Yeshwanth         |
| 10.4 | Sprint -4                 | Delivery: Develop the Code, Test and push it to GitHub. | K.Kulasekhar reddy                |