

## Project Planning Phase

### Project Planning (Product Backlog, Sprint Planning, Stories, Story points)

#### Product Backlog, Sprint Schedule, and Estimation (4 Marks)

| Sprint     | Functional Requirement (Epic) | User Story Number | User Story / Task  | Story Points | Priority | Team Members                        |
|------------|-------------------------------|-------------------|--|--------------|----------|-------------------------------------|
| Sprint - 1 | Registration                  | USN-1             | As a user , I can register for the application by entering my email , new password and confirming the same password. | 2            | High     | Subash<br>Shivaganesh<br>Muthuraman |
|            |                               | USN -2            | As a user , I will receive confirmation email once I have registered for the application.                            | 1            | Low      |                                     |
|            | Login                         | USN -3            | As a user , I can log into the application by entering email and password/ Google OAuth.                             | 2            | High     | Subash<br>Stanly                    |
|            | Dashboard                     | USN -4            | Logging in takes the user to their dashboard.  | 1            | Low      |                                     |
| Sprint - 2 |                               | USN -5            | As a user ,I will update my salary at the start of each month.   | 1            | Medium   | Subash                              |
|            |                               | USN -6            | As a user , I will set a target/limit to keep track of my expenditure.   | 1            | Medium   | Shivaganesh                         |
|            | Workspace                     | USN -7            | Workplace for personal expense tracking  | 1            | Medium   | Muthuraman                          |
|            | Charts                        | USN -8            | Graphs to show weekly and everyday expenditure   | 2            | High     | Stanly                              |
|            |                               | USN -9            | As a user , I can export raw data as csv file.   | 1            | Medium   | Muthuraman                          |

| <b>Sprint</b> | <b>Functional Requirement (Epic)</b> | <b>User Story Number</b> | <b>User Story / Task</b>                                      | <b>Story Points</b> | <b>Priority</b> | <b>Team Members</b> |
|---------------|--------------------------------------|--------------------------|---|---------------------|-----------------|---------------------|
| Sprint - 3    | IBM DB2                              | USN -10                  | Linking database with dashboard                               | 2                   | High            | Stanly              |
|               |                                      | USN -11                  | Making dashboard interactive with JS                          | 2                   | High            | Shivaganesh         |
|               | Watson Assistant                     | USN -12                  | Embedding Chatbot to clarify user's queries.                  | 1                   | Low             | Subash              |
|               | BCrypt                               | USN -13                  | Using BCrypt to store passwords securely.                     | 1                   | Medium          | Stanly              |
|               | SendGrid                             | USN -14                  | Using SendGrid to send mail to the user. (To alert or remind) | 1                   | Medium          | Muthuraman          |
| Sprint - 4    | Integration                          | USN -15                  | Integrating frontend and backend.                             | 2                   | High            | Shivaganesh         |
|               | Docker                               | USN -16                  | Creating Docker image of web app.                             | 2                   | High            | Muthuraman          |
|               | Cloud Registry                       | USN -17                  | Uploading docker image to IBM cloud registry.                 | 2                   | High            | Subash              |
|               | Kubernetes                           | USN -18                  | Creating container using docker and hosting the webapp.       | 2                   | High            | Shivaganesh         |
|               | Exposing Deployment                  | USN -19                  | Exposing IP/Ports for the site.                               | 1                   | Medium          | Muthuraman          |