Preparation Phase

Setting Up Application Environment

- Create Flask Project
- Create IBM Cloud Account
- Install IBM Cloud CLI
- Docker CLI Installation
- Create An Account In Sendgrid

Implementing Web Application

- Create UI To Interact With Application
- Create IBM DB2 And Connect With Python

Integrating SendGrid Service

- SendGrid Integration With Python Code

Deployment Of App In IBM Cloud

- Containerize The App
- Upload Image To IBM Container Registry
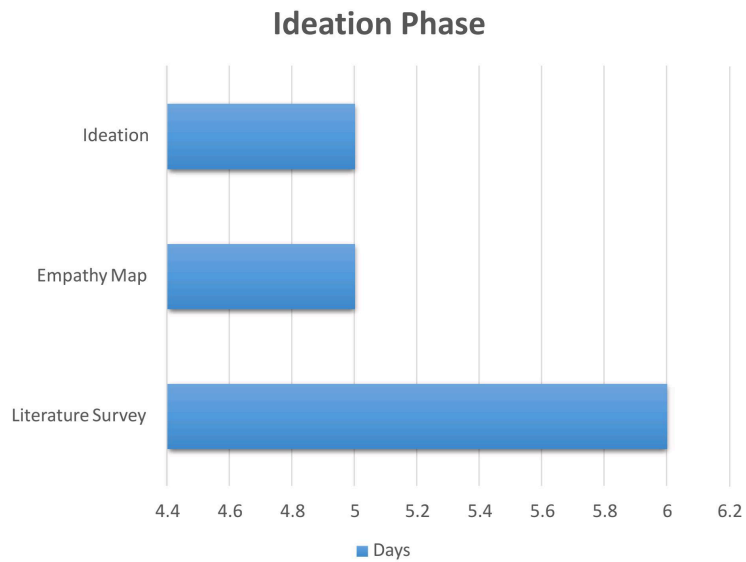- Deploy In Kubernetes Cluster

Ideation Phase

Ideation Phase

Literature Survey On The Selected Project & Information Gathering

Prepare Empathy Map

Ideation

Ideation Phase

	4.4	4.6	4.8	5	5.2	5.4	5.6	5.8	6	6.2
Ideation										
Empathy Map										
Literature Survey										

■ Days

Project Design Phase 1
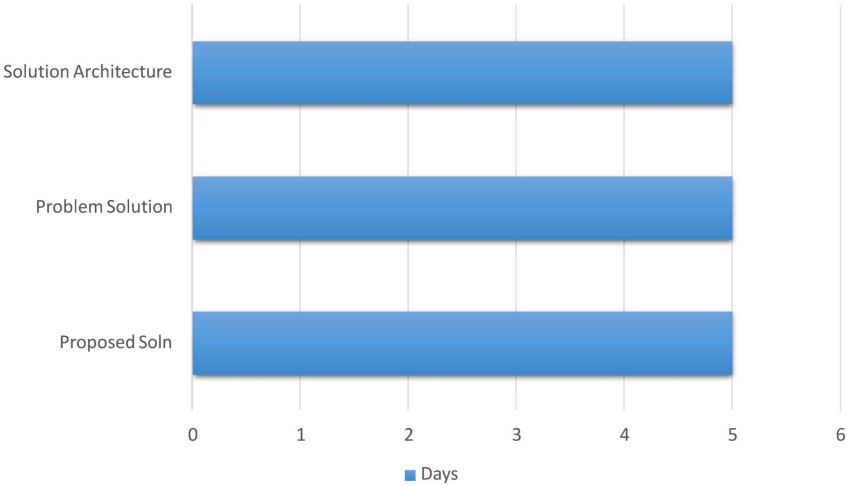
Project Design Phase – I

Proposed Solution – Days 2

- Problem Solution Fit

Solution Architecture

Project Design Phase 1

Solution Architecture						
Problem Solution						
Proposed Soln						
0	1	2	3	4	5	6

■ Days

Project Design Phase 2

Project Design Phase 2

Project Design Phase -II

Customer Journey

Functional Requirement

Data Flow Diagrams

Technology Architecture

	0	1	2	3	4	5	6
Technlogy Architecture							
Data Flow Diagram							
Functional Requirements							
Customer Journey Map							

■ Days

Project Planning Phase
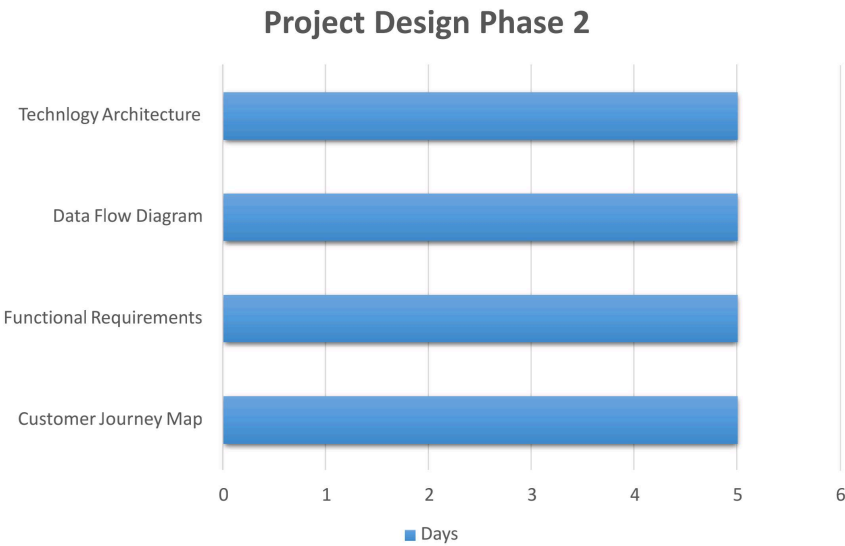
Project Planning Phase

Prepare Milestone & Activity List

Sprint Delivery Plan

Project Planning Phase

	Days
Sprint Delivery Plan	5
Milestones & activity list	5

(x-axis: 0 1 2 3 4 5 6)

■ Days
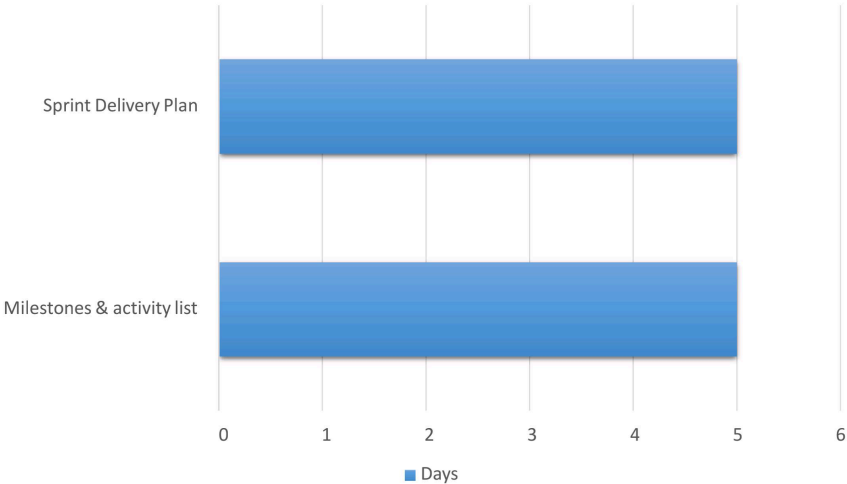
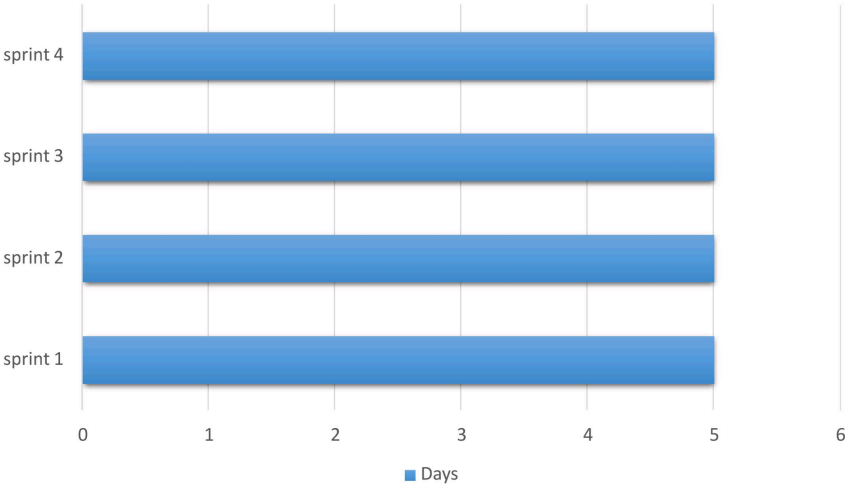24th October – 19th November

Project Development
Phase

Project Development -
Delivery Of Sprint-1

Project Development -
Delivery Of Sprint-2

Project Development -
Delivery Of Sprint-3

Project Development -
Delivery Of Sprint-4

Project Development Phase

	0	1	2	3	4	5	6
sprint 4							
sprint 3							
sprint 2							
sprint 1							

■ Days

PROJECT MILESTONES

PHASE 1:

➢ Register for the application by entering email , new password and confirming the same password

➢ Receive confirmation email once I have registered for the application.

➢ Log into the application by entering email and password / Google Auth

PHASE 2:

➢ Update the salary at the start of each month.

➢ Set a target/limit to keep track of expenditure

➢ Track the expense

➢ Graphs to show weekly and everyday expenditure

PHASE 3:

➢ Linking database with dashboard

➢ Chatbot linking to clear user queries

➢ Secure the passwords

➢ Reminder alerts to user

PHASE 4:

➢ Integration

➢ Use docker and ibm cloud to host the web app