Project Planning Phase
Project Planning Template (Product Backlog, Sprint Planning, Stories, Story points)

Date	24 October 2022
Team ID	PNT2022TMID04980
Project Name	Personal Expense Tracker Application
Maximum Marks	8 Marks

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,Login	USN-1	As an User, I can register for the application by entering my email, password, and confirming my password and I can log into the application by entering email and password.	2	High	Karthicknaveen Afrith Kabilan Kishore nishanth
Sprint-1	Dashboard	USN-2	As an user, I can Login to the Application by entering correct login credentials and I will be able to Access My dashboard.	2	High	Karthicknaveen Afrith Kabilan
Sprint-2	Work Space,Charts	USN-3	There will be a work space for the register user for personal expense tracking and creating various graphs and statistics of user data.	2	Medium	Karthicknaveen Kishore nishanth Kabilan
Sprint-2	Connecting to IBM DB2	USN-4	Linking the database with dashboard and making dashboard more interactive with the JavaScript	2	High	Kishore nishanth Kabilan
Sprint-3	Watson Assistant, Send Grid	USN-5	Creating Chatbot for the expense tracking and for clarifying user's query and using sendgrid to send mail to the user about their expenses	2	High	Kishorenishanth kabilan
Sprint-4	Docker,Cloud Registry	USN-6	Creating image of website using docker and uploading the docker image to IBM Cloud Registry.	2	High	Karthicknaveen Afrith Kabilan

Sprint-4	Kubernetes,Exposing	USN-7	Create container using a docker image and hosting the site and also exposing IP/ports for the site	2	High	Karthicknaveen afrith

Project Tracker, Velocity & Burndown Chart: (4 Marks)

Sprint	Total Story Points	Duration	Sprint Start Date	Sprint End Date(Planned)	Story Points Completed (as on Planned End Date)	Sprint Release Date (Actual)
Sprint-1	20	7 Days	24 Oct 2022	30 Oct 2022		30 Oct 2022
Sprint-2	20	7 Days	31 Oct 2022	06 Nov 2022		06 Nov 2022
Sprint-3	20	8 Days	07 Nov 2022	14 Nov 2022		14 Nov 2022
Sprint-4	20	7 Days	14 Nov 2022	21 Nov 2022		21 Nov 2022

Velocity:

Imagine we have a 10-day sprint duration, and the velocity of the team is 20 (points per sprint). Let's calculate the team's average velocity (AV) per iteration unit (story points per day)

$$AV = \frac{sprint\ duration}{velocity} = \frac{20}{10} = 2$$

Burndown Chart:

A burndown chart is a graphical representation of work left to do versus time. It is often used in agile software development methodologies such as Scrum. However, burn down charts can be applied to any project containing measurable progress over time.

					OCT							OCT							NOV							NOV							NOV					
	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
Sprints																																							
ET-1 Creating a sign up/Login page		███																																					
ET-2 Home page of Expense Tracker					███																																	
ET-3 Creating Admin Dashboard								███																														
ET-4 Creating User Dashboard												███																										
ET-5 Creating Database for User and Admin															███																							
ET-6 Creating Chatbot for Application																		███																				
ET-7 Adding features for Chatbot																					███																	
ET-8 Integrating Chatbot with Website																									███													
ET-9 Completing Chatbot																												███										
ET-10 Testing and Debugging																															███							
ET-11 Containerize the application using docker																																	███					
ET-12 Deploy the Application in IBM cloud																																			███			