## Project Design Phase –II Technology Architecture

Team ID	PNJ2022JMID45745
<b>Project Name</b>	Personal Expenses Tracker Application
Maximum Marks	4 Marks

## **Technical Architecture:**

The Deliverable shall include the architectural diagram as below and the information as per the table 1 & table 2.

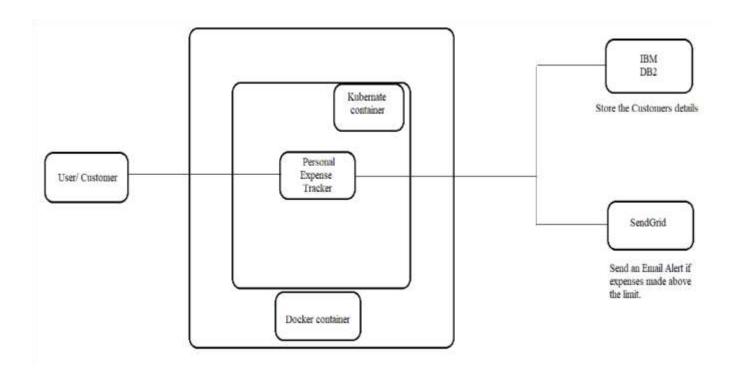


Table 1: Components and Technologies:

S. No	Components	Description	Technology
1.	User interface	The user can Interact with the application with use of Chatbot	
2.	App logic-1	The app contains the sign in/sign up where the user will login into the main dashboard	Java/Python
3.	App logic-2	Dashboard contains the fields like Add income and expenses, Save Money	
4.	App logic-3	The user will get the expense report and also get alerts if the expense limit exceeds	Assistant,
5.	Database	The Income and Expense data are stored in the MySQL database	MySQL
6.	Cloud storage	The user data are stored.	IBM DB2
7.	File storage	•	Local file system, IBM Block storage.

Table 2:
Application characteristics:

S. No	Characteristics	Description	Technology
1.	Open-source	Flask Framework in	Python flask
	framework	Python is used to	
		implement this app.	
2.	Security	This App provides high	Kubernetes
	implementation	security to the user	cluster,
		financial data. It can be	
		done by using the	registry.
		Container Registry in	
		IBM cloud	
3.	Availability	This app will be	Kubernetes
		available to the user at	cluster,
		any part of time	Container
		any part of time	registry
4.	Scalable	Expense Tracker is a life	Kubernetes
	architecture	time access	cluster,
		supplication. Its demand	Container
		will increase when the	registry
		user's income is high	
5.	Performance	The performance will be	Kubernetes
		high	cluster