

PROJECT DESIGN PHASE-II

TECHNOLOGY ARCHITECTURE

TEAM ID -- PNT2022TMID07389

PROJECT TITLE -- PERSONAL ASSISTANCE FOR SENIORS WHO ARE SELF RELIANT

COMPONENTS & TECHNOLOGIES :

S. No	Component	Description	Technology
1.	User Interface	Mobile App	MIT
2.	Application Logic-1	Gathering medicine details and check the timings	Python
3.	Application Logic-2	Alarms	IBM Watson
4.	Cloud Database	Database Service on Cloud	IBM Cloudant DB

APPLICATION CHARACTERISTICS :

S. No	Characteristics	Description	Technology
1.	Open-Source Frameworks	Mobile application development setup, programming the IoT device, text to speech service, storing details in cloud	MIT, IBM Watson, node red, IBM cloud
2.	Security Implementations	Implementing encryption for security purpose	SHA-256.
3.	Scalable Architecture	Application is able to load as many members as logged in	MIT, IBM Watson
4.	Availability	Application is available 24/7	MIT, IBM Watson, node red, IBM cloud
5.	Performance	Reminder with correct timing	IBM Watson, IBM IoT Platform

