Project Design Phase-I
Proposed Solution

Date	20th September 2022
Team ID	PNT2022TMID16541
Project Name	Personal assistance for senior citizens who are self-reliant
Maximum Marks	2 Marks

PROPOSED SOLUTION- PERSONAL ASSISTANCE FOR SENIOR CITIZENS WHO ARE SELF-RELIANT

S.No.	Parameter	Description
1.	Problem Statement (Problem to be solved)	Human life span is approximately 70 years. This is because of the increase in medical technology. Hence it is necessary to look after the elderly people as they need to take necessary medicines at the right time. But it is difficult for the doctors and care takers to look after them round the clock. So it is extremely important to develop an IoT device which gives remainder of the medicine to be taken and at the right time.
2.	Idea / Solution description	- To develop a web application UI which gives the information of the medicine which needs to be taken at a given instant of time. - A database has to be created which contains all the details of the medicine taken by the elderly people - An IoT device needs to be created and has to be linked with the IBM Watson cloud

		platform to exchange sensor data • The text message which alerts the user has to be converted into voice Text to speech mechanism.
3.	Novelty / Uniqueness	The unique aspect of our project is the TTS mechanism (which is Text to Speech mechanism) which serves as a distinct feature when compared with the existing solutions
4.	Social Impact / Customer Satisfaction	The elderly people can lead a healthy and independent life as they do not need to seek the help of a care taker/medical personnel to remind their medical specifications.
5.	Business Model (Revenue Model)	The developed IoT device could be marketed on the basis of subscription service. As the model involves cloud and database service which is not free of cost, it can be only be sold on the basis of subscription
6.	Scalability of the Solution	The proposed solution has high success rate and good in terms of practical implementation as we are going to inculcate standard technical services like IBM Watson cloud services, Node Red service for web development. Moreover the model is highly user-friendly .