PROJECT DEVELOPMENT PHASE

DELIVERY OF SPRINT 4

Date	11 November 2022
Team ID	PNT2022TMID27573
Project Name	Project – Personal Assistance for senior citizens who are self-reliant

SPRINT IV:Software Implementation

Objective:

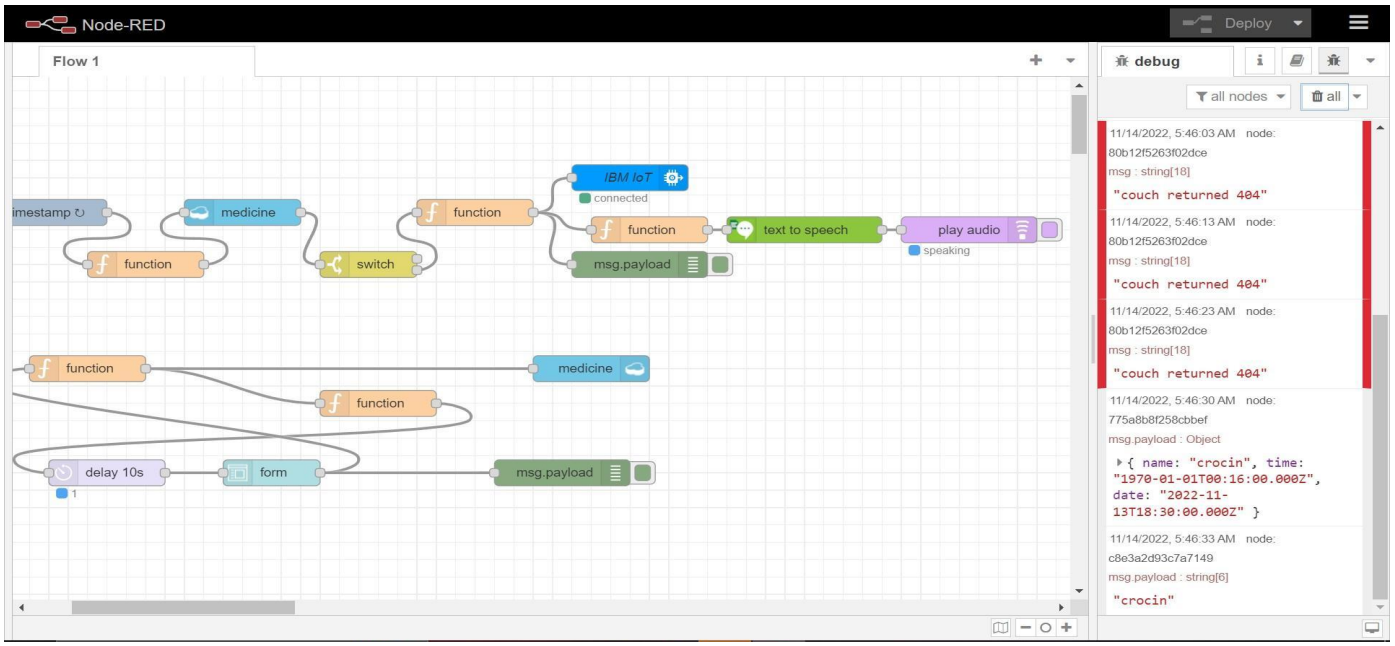
Converting the data received from cloud as voice using IBM Text to Speech service

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-1	**REGISTRATION:** Creation of IBM services like NODE RED, Cloudant DB and design of IOT system	USN-1	As a user, I should login into my IBM Cloud account	2	High	Vincy Veronica A, Preethi R
Sprint-2	**WEB UI:** Creating web UI using node red and connect it to IBM Cloudant DB	USN-2	As a user, I should be able to feed the medicine name and intake time in the web UI	2	High	Maria Anisha, Jane Ruffina Mary
Sprint-3	**SOFTWARE IMPLEMENTATION:** Developing Python code to retrieve data from cloudant db to send that data to IOT device at appropriate time	USN-3	As a user, I should be able to send the medicine name to the IOT device at the scheduled time	2	High	Preethi R, Maria Anisha
Sprint-4	**HARDWARE IMPLEMENTATION:** Converting data received from cloud as voice using IBM text to speech service	USN-4	As a user, I must be able to hear the medicine name which is to be taken at the appropriate time	2	High	Vincy Veronica, Jane Ruffina Mary

➔ **Creating a function to convert the medicine name in object format to string format :**

```
var st={"Please take":msg.payload}
msg.payload=JSON.stringify(st)
msg.payload=msg.payload.replace(':','');
return msg;
```

➔ **Creating and configuring IBM Text-to-Speech node:**



The software implementation is successfully completed