Table of Content

CHAPTER NO.	TITLE	PAGE NO.
1.	INTRODUCTION	1
	1.1 PROJECT OVERVIEW	1
	1.2 PURPOSE	2
2.	LITERATURE SURVEY	3
	2.1 EXISTING PROBLEM	3
	2.2 REFERENCES	4
	2.3 PROBLEM STATEMENT DEFINITION	5
3	IDEATION AND PROPOSED SOLUTION	6
	3.1 EMPATHY MAP CANVAS	6
	3.2 IDEATION AND BRAINSTORMING	7
	3.3 PROPOSED SOLUTION	10
	3.4 PROBLEM-SOLUTION FIT	11
4	REQUIREMENT ANALYSIS	12
	4.1 FUNCTIONAL REQUIREMENT	12
	4.2 NON- FUNCTIONAL REQUIREMENT	12
5	PROJECT DESIGN	14

	5.1 DATA FLOW DIAGRAM	14
	5.2 SOLUTION AND TECHNOLOGY ARCHITECTURE	15
	5.3 USER-STORIES	16
6	PROJECT PLANNING AND SCHEDULING	17
	6.1 SPRINT PLANNING AND ESTIMATION	17
	6.2 SPRINT DELIVERY SCHEDULE	21
	6.3 REPORT FROM JIRA	22
7	CODING AND SOLUTIONS	23
	7.1 FEATURE 1	23
	7.2 FEATURE 2	24
	7.3 DATABASE SCHEMA	25
8	TESTING	26
	8.1 TEST CASES	26
	8.2 USER ACCEPTANCE TESTING	28
9	RESULTS	29
	9.1 PERFORMANCE METRICS	29
10	ADVANTAGES AND DISADVANTAGES	30
11	CONCLUSIONS	31
12	FUTURE SCOPE	32
13	APPENDIX	33

14	REFERENCES	40
	13.2 GITHUB & PROJECT DEMO LINK	30
	13.1 SOURCECODE	33

INTRODUCTION

1.1 PROJECT OVERVIEW

Patients may often fail to comply with their medicate on whether it was from forgetting to take the medicine, from taking medicine at the wrong time or even from taking too much medicine. Therefore, there are many systems such as reminder, alarm, and so on to remind patient. We have focus on those patients who having difficulty to take medication on time, we tried to design and to aid patients with managing their medical prescriptions, through a reminder app they will use to look at and manage their medications. The Pill Reminder will facilitate users to require the right medication on time. This system provides a real time monitoring system that allow related people to monitor the patient's activity remotely.

1.2 PURPOSE

There are various medication systems which are in use currently. They depend on various stages and ideas. It is made available on mobile phones such as personnel digital assistance. It is a mobile application that gives Graphical User Interface to design drug schedules and alarm system to remind the patients, about time and other details.

LITERATURE SURVEY

2.1 EXISTING PROBLEM

Medications usually need to be taken in specific doses at set intervals. Missing doses or timing doses incorrectly can cause medical complications. Medication management can include everything from using devices that issue reminders to patients to take their medications to filling pill cases for patients and marking the lid of each compartment to indicate when the contents need to be taken. Treating the elderly who often take multiple medications simultaneously to treat different conditions and symptoms.

2.2 REFRENCES

Paper 1: Internet-of-Things and Smart Homes for Elderly, Healthcare: An End User Perspective.

Author: Debajyoti Pal, Suree Funilkul.

Publication: King Mongkul's University of Technology, Thonburi, Bangkok,

Thailand.

Year: 2017

Paper 2: Implementation of smart monitoring system with fall detector for elderly using IoT technology.

Author: Norharyati Harum.

Publication: Technical University of Malaysia Malacca.

Year: 2018

Paper 3: Fog IoT for Health: A New Architecture for Patients and Elderly

monitoring.

Author: Abdessamad Assila.

Publication: University of mons, Belgium.

Year: 2019

Paper 4: HABITAT: An IoT Solution for Independent Elderly.

Author: Andrea Galassi, Marina Barbiroli.

Publication: ARCES- Advanced Research Center On Electronic Systems

"Ercole De Castro", University of Bologna, Italy.

Year: 2019

Paper 5: Personal Assistance Device for Independent Senior Citizens/Patients.

Author: A. Yuvaraja, B.N. Gunasekhar Reddy.

Publication: International Journal of Recent Technology and Engineering

(IJRTE).

Year: 2020

2.3 PROBLEM STATEMENT DEFINITION

Social isolation and loneliness are among the important factors for the degradation of the life quality as the persons' aging process advances. These factors can have a pronounced effect on the general health and are caused by the decrease in social interaction by the person with the friends, family and ex-co-workers groups.

On the other hand, the software and hardware technologies has reached a maturation point where the electronic assistants can acquire information from the user through camera images, as well as to communicate with the user by means of natural voice language. In this context, a model for the adoption of electronic intelligent assistants by the elderlies has been proposed in previous work.

In the current work, it is assessed the possibility of using the current consumer assistants to implement the proposed model. Several assistants are analyzed assessing their functionalities assist the elderly in strengthening their social bond with people.



IDEATION AND PROPOSEDSOLUTION

3.1 EMPATHY MAP CANVAS

It is a simple, easy-to-digest visual that captures knowledge about a user's behaviors and attitudes. It is a useful tool to help teams better understand their users. Creating an effective solution requires understanding the true problem and the person who is experiencing it. The exercise of creating the map helps participants consider things from the user's perspective along with his or her goals and challenges

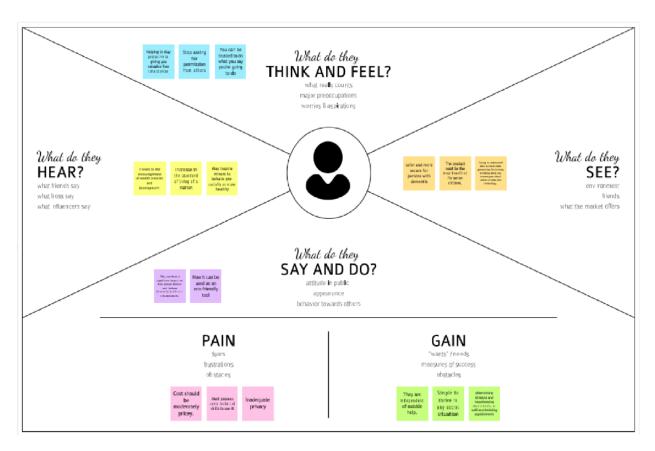


Figure 3.1. Empathy Map

3.2 IDEATION & BRAINSTORMING

Brainstorming provides a free and open environment that encourages everyone within a team to participate in the creativethinking process that leads to problemsolving. Prioritizing volume over value, out-of-the-box ideas are welcome and built upon, and all participants are encouraged to collaborate, helping each other develop a rich number of creative solutions.

STEP-1 TEAM GATHERING, COLLABORATION AND SELECTING THE PROBLEM STATEMENT

This step includes the formation of a team, collaborating with the team by collecting the problems of the domain we have taken and consolidating the collected information into a single problem statement.



Figure 3.2. Ideation And Brainstorming

STEP 2: BRAINSTORM, IDEA LISTING AND GROUPING

As part of the brainstorming process, teammates list their own unique solutions to the problem statement that has been formulated. Each distinct thought has been valued and given its own cluster.

The team then deliberated before creating Cluster A, which contained the ideas that had received the most votes overall, and Cluster B, which contained the concepts that were least necessary.

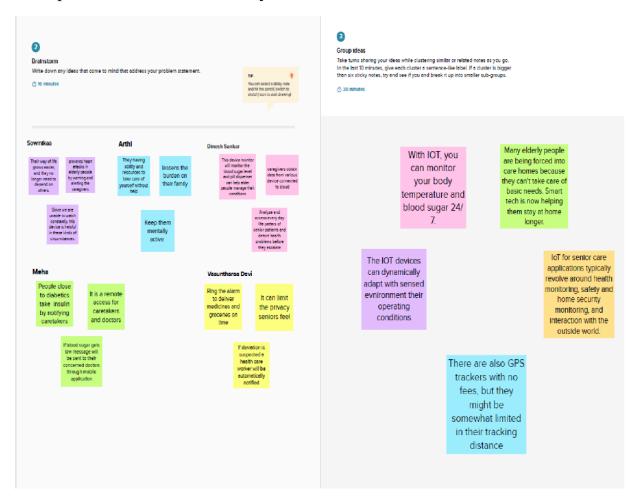


Figure 3.3. Brainstorm, Idea Listing and Grouping

STEP 3: IDEA PRIORITIZATION

This step includes the process of listing necessary components to come up with the working solution and making a hierarchy chart by prioritizing the components based on importance, say from the higher being backend and lower being the user interfacing components.



Figure 3.4. Idea Prioritization

3.3 PROPOSED SOLUTION

S.No.	Parameter	Description
1.	Problem Statement (Problem to be solved)	Personal Assistance for Seniors Who are Self- reliant using IoT
2.	Idea / Solution description	The techniques applied are: The most advanced technologies of the Internet of Things, such as Radio Frequency Identification, wearable electronics, Wireless Sensor Networks. Thus, the main novelty of the paper is the system-level description of the platform flexibility allowing the interoperability of different smart devices.
3.	Novelty / Uniqueness	The most commonly measured data include vital signs such as heart rate, blood pressure, and glucose level. It is typically used to collect information and transmit it to a remote server for storage and analysis.
4.	Social Impact / Customer Satisfaction	Smart technologies and the Internet of Things (IoT), have the potential to play a significant role in enabling older people to age in place. And there has been less work done on the role of IoT and ageing in place that more broadly considers caregiving and the built environment.
5.	Business Model (Revenue Model)	We give a solution for elder people who are self-reliant. We assure it can work longer period of time.
6.	Scalability of the Solution	IoT devices offer a number of new opportunities for healthcare professionals to monitor patients, as well as for patients to monitor themselves. By extension, the wearable IoT devices provide an array of benefits and challenges, for healthcare providers and their patients alike. Algorithms may be used to analyze the data in order to recommend treatments or generate alerts.

3.4 PROBLEM-SOLUTION FIT

The Problem-Solution Fit simply means that you have found a problem with your customerand that the solution you have realized for it solves the customer's problem. It helps entrepreneurs, marketers and corporate innovators identify behavioral patterns and recognize what would work and why



Figure 3.5. Solution Fit

REQUIREMENT ANALYSIS

4.1 Functional Requirements

FR No.	Functional Requirement	Sub Requirement (Story/Sub-Task)		
	(Epic)			
FR-1	User Requirements	Medical Protection		
		Health Information System		
		Monitor Patient Status, Temperature and		
		Blood		
		Pressure, Pulse rate checking System.		
FR-2	User Registration	Manual Registration		
		Registration through Web Page		
		Registration through Form		
		Registration through Gmail		
FR-3	User Confirmation	Confirmation via Phone		
		Confirmation via Email		
		Confirmation via OTP		
FR-4	Payment Options	Cash on Delivery		
		Debit Card/Credit Card		
		Net Banking Paytm		
		Wallet and UPI		
FR-5	Product Delivery and	Door Step Delivery		
	Installation	Take Away		
		Free Installation		
FR-6	Product Feedback	Through Web Page		
		Through Phone Calls		
		Through Google Forms		

4.2 Non-Functional Requirements

Usability

- Have a clear and self-explanatory manual
- Easy to Use

Security

- > Application has to be secured with 2 step authorization
- Passwords and passkeys will be assigned as per the users need.

Reliability

- Hardware requires a regular checking and service
- Software may be updated periodically
- > Immediate alert is provided case of any system failure.

Performance

- > The Application must have a good interface
- The System Provides acknowledgment in just one second once the patient's
- Information is checked.

Availability

- All the features will be available when the user requires.
- It depends on the patients need and the user's customization.

Scalability

The product has to cover all the space of isolation wards irrespective of the size or area of a medical field

CHAPTER - 5 PROJECT DESIGN

5.1 DATA FLOW DIAGRAMS

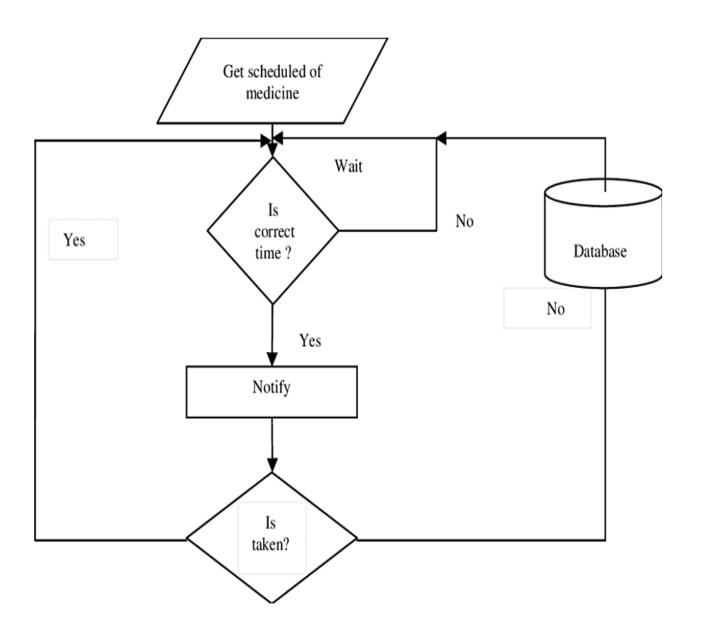


Figure 5.1. Data flow Diagram

5.2 SOLUTION AND TECHNICALARCHITECTURE

Solution architecture is the process of developing solutions based on predefined processes, guidelines and best practices with the objective that the developed solution fits within the enterprise architecture in terms of information architecture, system portfolios, integration requirements and many more.

It can then be viewed as a combination of roles, processes and documentation that are intended to address specific business needs, requirements or problems through the design and development of applications and information systems.

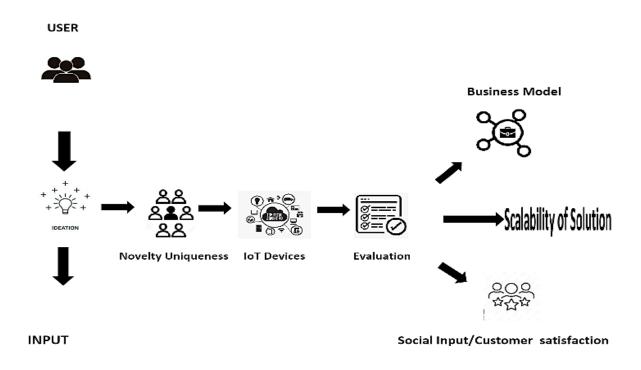


Figure 5.2.1 Solution Architecture

Technical Architecture is a form of IT architecture that is used to design computer systems. It involves the development of a technical blueprint with regard to the arrangement, interaction, and interdependence of all elements so that system-relevant requirements are met.

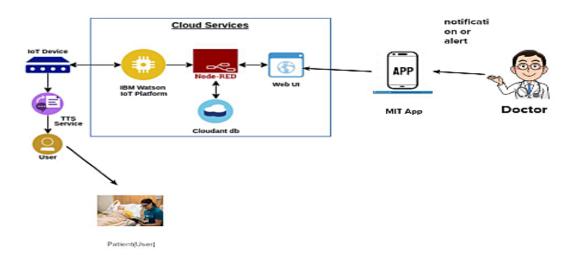


Figure 5.2.2 Technology Architecture

5.3 USER STORIES

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Acceptance criteria	Priority	Release
Sprint 1	IBM Watson IoT Platform	USN-1	Creating device, board and generating data.	I want to Take Medicineson time	High	Sprint-1
Sprint 2	Storing Data Using node-red	USN-2	Storing data in IBM Cloudant DB	My patient medication time and prescription should be in the database list	High	Sprint-2
Sprint 3	Frontend in Web	USN-3	Creating Frontend for User to use the medicine remainder WEB	My patient needs to take medicines on time	Medium	Sprint-3
Sprint 4	Backend in Web	USN-4	Design the block of backend for the WEB	I want to take my tablets on time by voice command	Low	Sprint-4

CHAPTER - 6 PROJECT PLANNING AND SCHEDULING

6.1 SPRINT PLANNING & ESTIMATION

SPRINT 1

- The Sprint one involves the making of Frontend (login page).
- The login page involves both register and login form.
- We have a database for this page (login page).
- The login page was created using language like HTML, CSS, JAVASCRIPT and also includes PYTHON frame works like FLASK, WERKZEUG.
- The database is stored in the IBM cloud (Cloudant Database).

SPRINT 2

- The second sprint involves the database storage of the user Login an dthe dashboard page
- The Database are stored using IBM Cloudant db
- The stored database is used to store the data of the user login and dashboard page
- We have created as database for login page like First name, Last name, G-mail, Password
- And created a database for dashboard page like Person's Name,

Medicine Name, Person's Age, Person's Phone Number.

And to connect the data in the backend we had used python programming

SPRINT 3

- The Sprint Three involves the making of a Twilio setup, which is used to send messages to the patient as per the pre-defined note and time set by the caretaker.
- To send a new outgoing message from a Twilio phone number to outside number:
- Make an HTTP POST to your account's Message resource
- You can post directly to the API with Curl.
- When creating a new message via the API, including the parameters To, From, and Body.

To

This parameter determines the destination phone number for SMS messages. Format this number with a '+' and a country code, e.g., 911234567890.

From

From specifies the Twilio phone number, short code, or Messaging Service that sends this message. This must be a Twilio phone number that you own, formatted with a '+' and country code, e.g., +911234567890. **SPRINT DELIVERY SCHEDULE**

Body

The Body parameter includes the full text of the message you want to send, limited to 1000 characters

SPRINT 4

The fourth sprint involves the work of creating an interface of the product that is used by the caretaker to set the data and time and to send body of the message.

- This program in involves the backend for setting the SMS to notify for the caretaker
- So, basically the program works based on the Twilio setup which we
 have to get a number from Twilio and configure to connect and set up to
 the frontend
- And the backend was also connected by using node.js for to render web page faster and create highly dynamic applications.

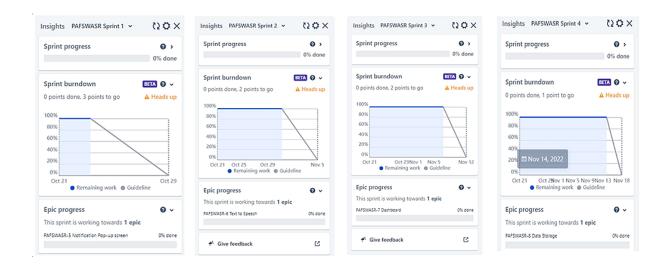
6.2 SPRINT DELIVERY SCHEDULE

Sprint	Functional	User	User Story/Task	Story	Priority	Team Member
	Requirement	Story		points		
	(Epic)	Number				
Sprint-1	IBM Watson	USN-1	Creating device,	2	High	Dinesh Sankar
	IOT		board and			G.K
	Platform		Generating Data			
Sprint-2	Story Data	USN-2	Storing the data	1	High	Arthi V
	Using node-		in IBM Cloudant			
	red		DB through			
			node-red			
			functions			
Sprint-3	Frontend in	USN-3	Creating the	2	Low	Vasuntharaa
	App		frontend for users			Devi K
			to use medicine			
			remainder app in			
			MIT App			
			inventor			
Sprint-4	Backend in	USN-4	Designing the	2	Medium	Sowmikaa K
	App		block of backend			
			for the app in			
			MIT App			
			inventor			

Table 6.1. Sprint Delivery Schedule

6.3 REPORTS FROM JIRA

Burndown chart



Road Map

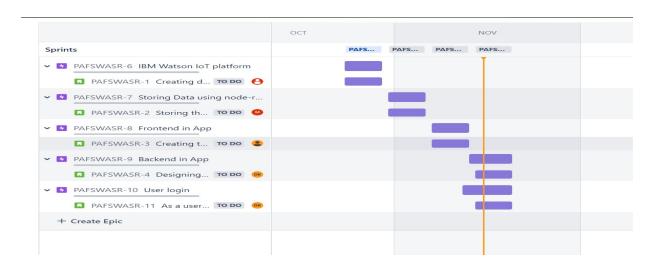


Figure 6.2. Road Map

CHAPTER - 7 CODING AND SOLUTIONS

7.1 FEATURE 1

You may create any app, game, or plugin using Visual Studio using the language of your choosing. Learn about the features that will increase your output, enhance the quality of your code, and increase team agility.

Features of VS Code:

Python

Virtual Platform

Code

```
{
"contributes": {
"languages": [
    {
    "id": "abc",
    "extensions": [".abc"]
    }
],
"grammars": [
    {
```

```
"language": "abc",
"scopeName": "source.abc",
"path": "./syntaxes/abc.tmGrammar.json"
}
]
```

7.2 FEATURE 2

Python 3.7 easier access to debuggers thanks to a new built-in breakpoint () With data classes, create simple classes Access to module properties that can be changed improved type hinting support enhanced timing capabilities.

Features of Python 3.7:

- The breakpoint () Built-In.
- Data Classes.
- Customization of Module Attributes.
- Typing Enhancements.
- Timing Precision.

Code

```
from twilio.rest import Client
import keys
client = Client(keys.account_sid,keys. auth_token)
message = client.messages.create(
body="Take a Pill!",
from_=keys .twilio_number,
to=keys.my_phone_number
)
print(message.body)
account_sid ='AAA'
auth_token = 'AAA'twilio_number ='+19123456789'
target_number ='+9112345678902'
```

7.3 DATABASE SCHEMA

In this Project, we used Physical Database Schema. Physical schema is a term used in data management to describe how data is to be represented and stored (files, indices, et al.) in secondary storage using a particular database management system (DBMS)

Schema Login

```
from turtle import st

from flask import Flask, render_template, request, redirect, url_for, session

from markupsafe import escape

import ibm_db

try:

conn = ibm_db.connect("DATABASE=bludb;HOSTNAME=764264db-9824-4b7c-82df-
40d1b13897c2.bs2io90l08kqb1od8lcg.databases.appdomain.cloud;PORT=32536;
SECURITY=SSL;SSLServerCertificate=DigiCertGlobalRootCA.crt;UID=gxf16
367;PWD=XDYrStX6HN1EWZGp",",")

print("Successfully connected with db2")

except:

print("Sorry.. Unable to connect : ", ibm_db.conn_errormsg())

app = Flask(_name_)
```

TESTING

8.1 TEST CASES

A test case might be created as an automated script to verify the functionality per the original acceptance criteria. After doing manual exploratory testing, QA testers might suggest other functionalities be added to the application as well as updated test cases be incorporated in the automated test suite.

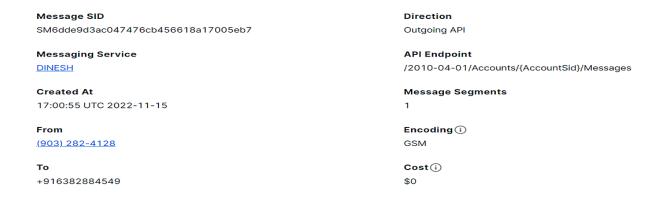


Table 8.1. Test Case

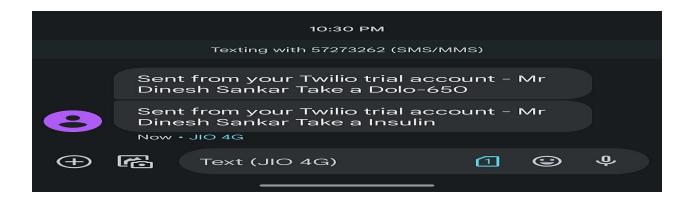


Table.8.2. Test Report

8.2 USER ACCEPTANCE TESTING

- User acceptance testing: They do not follow medical advice for certain older individuals, take fewer pills per day than recommended, miss taking their medication entirely, or adhere to their prescription regimen improperly.
- Patients overdose on prescription medication, take too little of it, or take the wrong pharmaceutical type, according to improper dosage testing (for example, drops instead of pills.)
- Patients either forget to take a tablet or dose, in which case they take it twice, or they take it without remembering (double-dose). Both varieties have a high potential for injury.
- Patients fail to promptly refill their prescriptions.
- When it comes to complicated therapies that involve numerous drugs, patients become confused.
- As you can see, these problems have the potential to become a significant health danger, but happily, they can be quickly fixed with a medication management app.

RESULTS

Performance Metrics

In this paper, medication, its scheduling have been well focused which is good to enhance efficiency of prescribed drug and lower economic element. For home health care, numerous technology have advanced as review considered. Numerous monitoring technologies have been found to enhance the current home health care methods, leading to the development of home health monitoring systems. The monitoring system may include a sensing component and a wireless module, both of which must be secure in order to prevent message corruption and loss of health-related data. The Internet of Things (IoT) is essential for facilitating connection between the two devices. By using messaging standards and communication protocols, we may safely transmit crucial health-related messages. Data from sensors can be stored effectively in an open source IOT cloud.

The advantage of digital storage is that it makes it easier and faster to retrieve data in an emergency for safe health. The RFID will work well for user personal identity and encryption/decryption needs.

ADVANTAGES AND DISADVANTAGES

ADVANTAGES

- Significant improvement of the quality of life for your elders.
- Enables early diagnosis of diseases which leads to early treatment.
- Increase the chances of eradicating diseases due to early detection.
- Allows your elder to maintain a healthy, balanced diet.
- Your elder's efficiency and productivity can be maintained.
- Enables your loved ones to be physically and mentally fit.
- Regular health monitoring and checkup provided by this care service can save you from expensive medical costs in the long run.

DISADVANTAGES

- Remote patient monitoring does have some drawbacks, such as its reliance on technology that not all patients can afford.
- RPM Requires New Practice Software.
- Data Reliability Can Be Affected with Improper Use.
- Remote Patient Monitoring Is Reducing Readmission Rates.
- Cost in Time and Resources.

CHAPTER – 11

CONCLUSION

Nowadays, using smart phones and mobile applications are increased dramatically, so developing mobile applications in health services (especially self-care) can create the desired effect in the community. Although there are various medication reminder mobile applications, a native mobile application is essential that is developed on the basis of the specialists' ideas in this field. In addition to remind the medication administration time and dose the project helps private users and their connected caretakers by procuring the medication details from the caretaker and securely processing the data for the desired result of SMS alerts. Senior citizens are properly monitored by their caretakers and thus, caretakers can make sure that their patients are taking the right medicines at the right times without delay. With this solution, the problem can attain an economic and easily usable way to overcome the difficulties faced by senior citizens. Thus, the result of our system provides fast curing of patient health by using our advantageous system.

FUTURE SCOPE

The project can be enhanced with many other features that can serve senior citizens even better. The product currently is a simple basic version which can only send SMS alerts on time. Some other additional features that are planned to beincorporated with this existing product are listed below:

- The dashboard can be made more versatile for the caretakers to manage patient's medicine intake time and to monitor how it changes every day, by this a new or speculated time can be scheduled individually.
- The system can be enhanced with a smartwatch or health devices so that the health conditions can be continuously connected with the hospitals, and doctors to supervise and help them during emergencies.
- The system can relate to hardware product that stores and automatically opens the container and alerts with a voice message
- The system can further relate to the medical shop so that the hardware system automatically senses the tablet counts and alerts the medical shop to deliver the medicine.

CHAPTER - 13 APPENDIX

13.1 SOURCE CODE

CLIENT

```
require('dotenv').config() const accountSid =
'process.env.AC68528e40bc184643b139c184b25865b8'; const authToken =
'006bbbf4bdeea577f5bc43624e0e4e4c'; const client =
require('twilio')(accountSid, authToken); const cron = require('node-cron'); const
moment = require('moment');
console.log(`Medication Reminder started at ${moment().format
('DD/MM/YYYY HH:mm')}`);
// Trigger every day at 20h05 pm cron.schedule('05 20 * * *', async () => {
// Inital data of dates (start and end date) let startDate = '08/03/2022'
// Reminds you during 20 days
                                   let endDate = moment(startDate,
'DD/MM/YYYY').add(20, 'days');
console.log(startDate, endDate);
// Set new dates for the new cycle
                                      if (moment().isAfter(endDate)) {
for (let i = 0; i < 100000; i += 1) {
```

```
if (moment().isAfter(endDate)) {
// if 20 days have passed, set a pause for 7 days
startDate = moment(startDate, 'DD/MM/YYYY').add(27,
'days').format('DD/MM/YYYY')
endDate = moment(startDate, 'DD/MM/YYYY').add(20, 'days')
} else {
break;
}
}
}
// Send the reminder
if (moment(startDate, 'DD/MM/YYYY').isBefore()) {
client.messages
.create({
 body: 'Take your medication',
 from: 'MEDREM',
to: '+911234567890',
})
.then(message => console.log(message.sid));
}
});
{
```

```
"cells": [
{ "cell_type": "code",
"execution_count": 1,
"metadata": {},
"outputs": [],
"source": [
"import time \n",
 ]},
 { "cell_type": "code",
 "execution_count": null,
 "metadata": {},
  "outputs": [],
  "source": [ "notification.notify(\n",
  "title = \"Reminder\",
  \n",
 "message =\"Have Medicine\",\n",
 "timeout = 10)
  \n'',
 "time.sleep(60*60*3)"
 ]
 }
 ],
 "metadata": {
```

```
"kernelspec": {
"display_name": "Python 3",
"language": "python",
" name": "python3" },
"language_info": {
"codemirror_mode": {
"name": "ipython",
" version": 3 },
"file_extension": ".py",
"mimetype": "text/x-python",
"name": "python",
"nbconvert_exporter": "python",
"pygments_lexer": "ipython3",
},
"vscode": {
"interpreter": {
"hash":
}
}
},
"nbformat": 4,
"nbformat_minor": 4}
```

SERVER:

from turtle import st from flask import

```
from markupsafe import escape
import ibm_db try:
conn = ibm_db.connect("DATABASE=bludb;HOSTNAME=764264db-9824-
4b7c
82df
40d1b13897c2.bs2io90l08kqb1od8lcg.databases.appdomain.cloud;PORT=32536;
SECURITY=SSL;SSLServerCertificate=DigiCertGlobalRootCA.crt;UID=gxf16
36;SE
7WD=XDYrStX6HN1EWZGp",",") print("Successfully connected with db2");PE
except:
print("Sorry.. Unable to connect : ", ibm_db.conn_errormsg())
app = Flask(__name__)
@app.route('/')
def home():
return render_template('home.html')
# register oda submit action
@app.route('/register',methods = ['POST', 'GET'])
def register():
if request.method == 'POST':
```

Flask, render_template, request, redirect, url_for, session

```
fname = request.form['fname']
lname = request.form['lname']
email = request.form['email']
password = request.form['password']
sql = "SELECT * FROM user WHERE email =?"
stmt = ibm_db.prepare(conn, sql)
ibm_db.bind_param(stmt,1,email)
ibm_db.execute(stmt)
account = ibm db.fetch assoc(stmt)
if account:
return render_template('home.html', msg="You are already a member, please
login using your details")
else:
 _sql = "INSERT INTO user VALUES (?,?,?,?)"
prep_stmt = ibm_db.prepare(conn, insert_sql)
ibm_db.bind_param(prep_stmt, 1, fname)
ibm_db.bind_param(prep_stmt, 2, lname)insert
ibm db.bind param(prep stmt, 3, email)
ibm_db.bind_param(prep_stmt, 4, password)
ibm_db.execute(prep_stmt)
return render_template('home.html', msg="Student Data saved successfully..")
@app.route("/login", methods=["POST"])
def login():
```

```
print("-----") print("Inside login entrance")
email = request.form.get("email")
password = request.form.get("password")
sql = "SELECT * FROM user WHERE email = ?"
stmt = ibm_db.prepare(conn, sql)
ibm_db.bind_param(stmt, 1, email)
ibm_db.execute(stmt)
account = ibm_db.fetch_assoc(stmt)
if not account:
return render_template('home.html', msg="You are not yet registered, please sign
up
using your details")
else:
print("+========+")
print(account)
print("+=======+")
print("Inside login")
if(password == account['PASSWORD']):
email = account['EMAIL']
name = account['FNAME']
print("Going to redirect to dashboard")
return redirect(url_for('dashboard'))
else:
return render_template('home.html', msg="Please enter the correct password")
@app.route('/dashboard')
```

```
def dashboard():
      return render_template('dashboard1.html')
@app.route('/')
def batch():
return render_template('dashboard1.html')
@app.route('/getdata',methods=['post'])
def data():
if request.method == 'POST':
firstname = request.form['firstname']
medicine = request.form['medicine']
message = request.form['message']
age = request.form['age']
time = request.form['time']
day = request.form['day']
gender = request.form['gender']
phone = request.form['phone']
insert_sql = "INSERT INTO user1 VALUES (?,?,?,?,?,?,?)"
prep_stmt = ibm_db.prepare(conn, insert_sql)
ibm_db.bind_param(prep_stmt, 1, firstname)
ibm_db.bind_param(prep_stmt, 2, medicine)
ibm_db.bind_param(prep_stmt, 3, message)
ibm_db.bind_param(prep_stmt, 4, age)
ibm_db.bind_param(prep_stmt, 5, time)
ibm_db.bind_param(prep_stmt, 6, day)
```

```
ibm_db.bind_param(prep_stmt, 7, gender)
ibm_db.bind_param(prep_stmt, 8, phone)
ibm_db.execute(prep_stmt)
return render_template('dashboard1.html', msg="Data saved successfully..")
111
 @app.route('/meddetail', methods = ['POST','GET'])
 def meddetail():
if request.method == 'POST':
 firstname = request.form['firstname']
medicine = request.form['medicine']
message = request.form['message']
age = request.form['age']
time = request.form['time']
day = request.form['day']
gender = request.form['gender']
phone = request.form['phone']
insert_sql = "INSERT INTO meddetail VALUES (?,?,?,?,?,?)"
prep_stmt = ibm_db.prepare(conn, insert_sql)
ibm db.bind param(prep stmt, 1, firstname)
ibm_db.bind_param(prep_stmt, 2, medicine)
ibm_db.bind_param(prep_stmt, 3, message)
ibm_db.bind_param(prep_stmt, 4, age)
ibm_db.bind_param(prep_stmt, 5, time)
```

```
ibm_db.bind_param(prep_stmt, 6, day)
ibm_db.bind_param(prep_stmt, 7, gender)
ibm_db.bind_param(prep_stmt, 8, phone)
ibm_db.execute(prep_stmt)
return render_template('dashboard1.html', msg="Data saved successfully..")
""
if __name__ == '__main__':
app.run()
```

13.2 GitHub & Project Demo Link

Content	Link
GitHub	https://github.com/IBM-EPBL/IBM-Project-38672- 1660384268
Project Demonstrati onVideo	https://youtu.be/6nZUO8ztNug

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