A PROJECT REPORT ON

"Voice Assistant"

Towards partial fulfilment of the requirement in

4th Semester BCA (2022 – 2023)

Submitted by:

Hitesh Vaishnav: 210510106033

Omkar Dharkar: 210510110009

Roshan Gupta: 210510104024

Submitted To:-



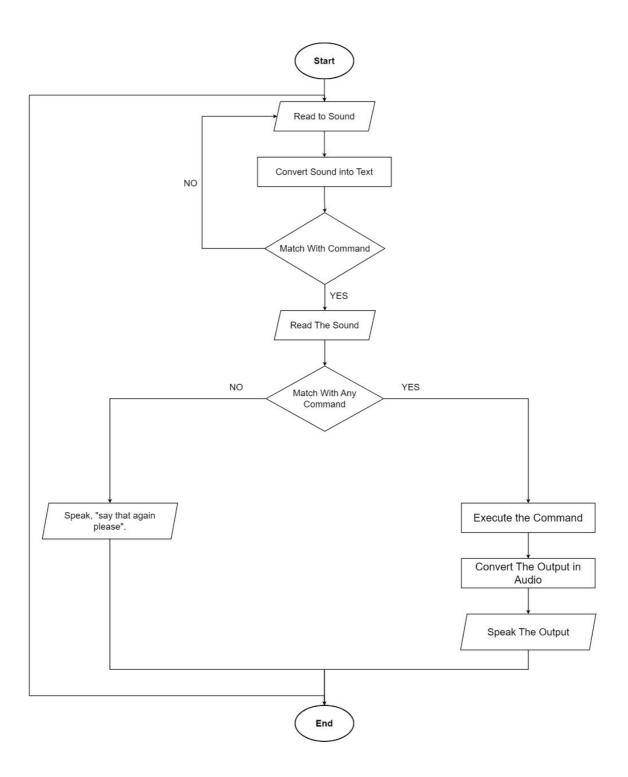
Parul Institute of Computer Application, Parul University.

Under the guidance of

Assistant Professor

Pro. Hardik Parmar.

3.7. Flow Chart



3.8. Time Line Chart

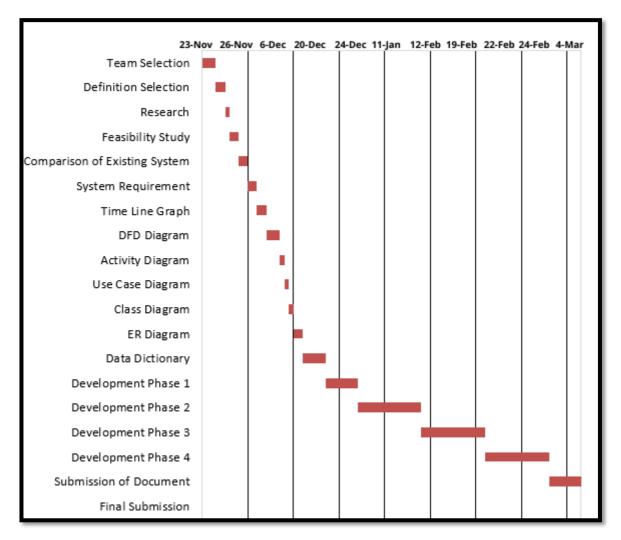


Figure 3.7.1. Time Line Chart

4. Technology Description

4.1. Features and Limitations of New System

Existing System	New System
They were not perform specific task	They were perform specific task
There are normal voice assistant	There are advance voice assistant

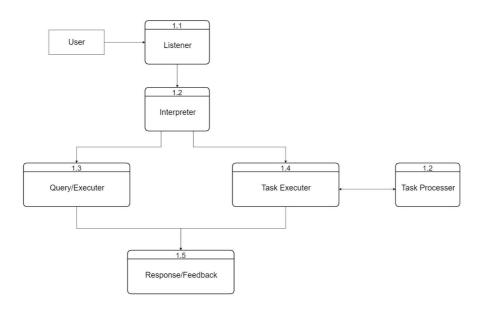
5. Data Flow Diagram

5.1. Context Level DFD's

Figure 5.1.1. Context Level DFD: 0 Level

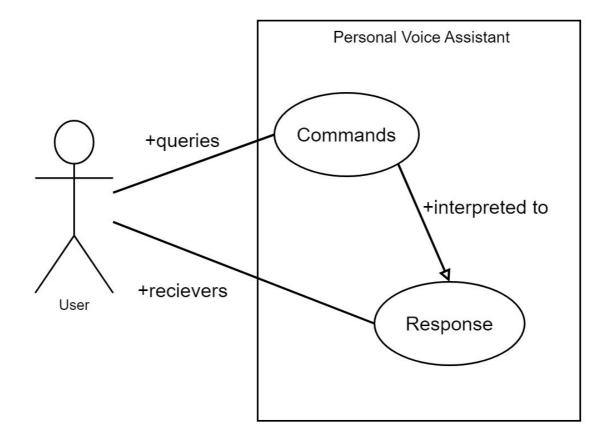


5.2.Level 1 DFD's:

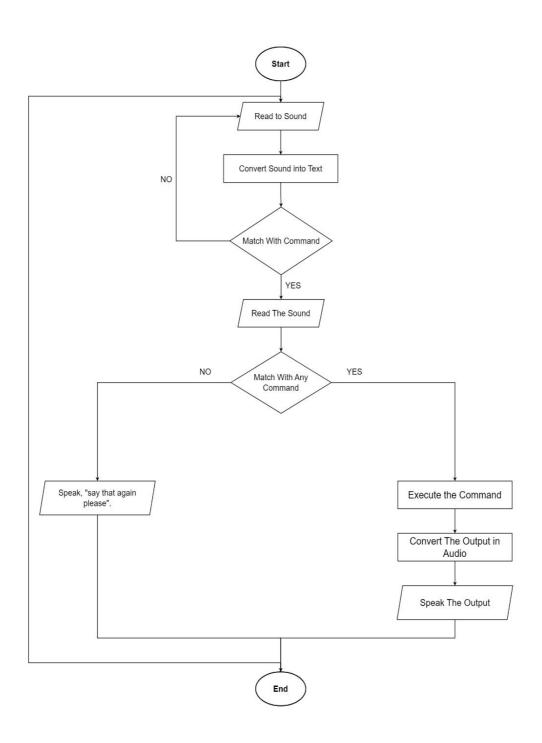


5.3.Level **3** DFD's:

6. Use Case Diagram



7. System Flow diagram



8. Form Design (Screenshots Phase 1 ,2,3,4 & validation's screenshots)

8.1.Development Phase -1

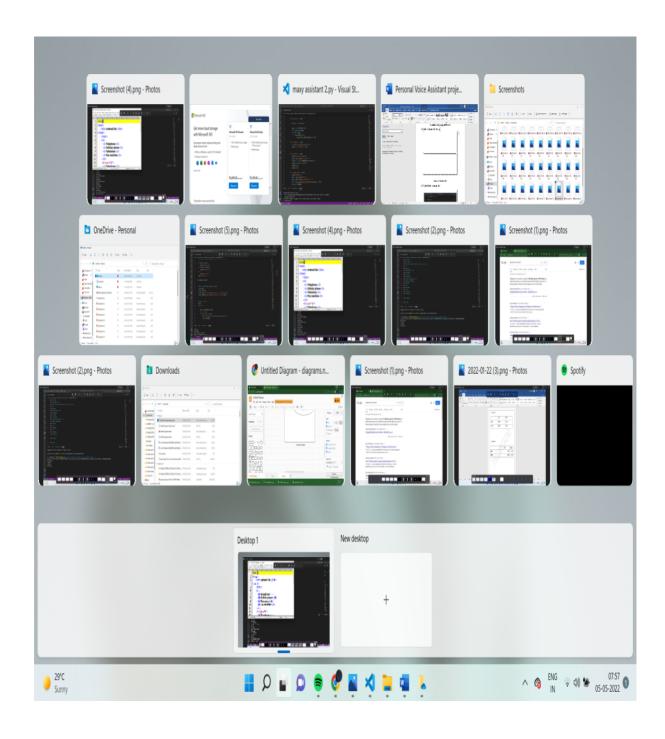


8.2. Development Phase -2

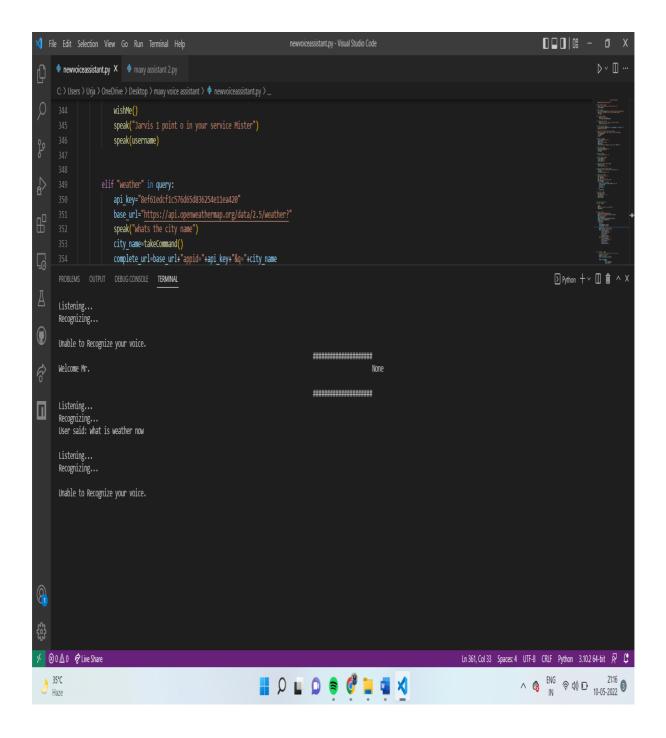
```
📢 File Edit Selection View Go Run Terminal Help
                                                                       many assistant 2.py - Visual Studio Code
                                                                                                                                              □□□|08 - Ø X
    maxy assistant 2.py X
     if hour>-0 and hour<12:
             speak("good morning")
elif hour>=12 and hour<18:</pre>
                speak("good afternoon")
               speak("good evening")
             speak("I am maxy")
          def sendEmail(to,content):
             server.ehlo()
             server.starttls()
             server.login('t3021bca187@paruluniversity.ac.in','77040033230CA2nd')
             server.sendmail('t3021bca187@paruluniversity.ac.in',to ,content)
      74 if __name_ -- "__main__":
            wish()
                 query = takecommand().lower()
               #logic building
if "open notepad" in query:
                    os.startfile(npath)
                                                                                                                                                 Python + ∨ □ â ^ X
     PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL
     listning...
     recognising...
user said:ok you can sleep
     thanks for using me have a good day
     PS C:\Users\Urja>
× ⊗0∆0 ∲Live Share
                                                                                                                        Ln 14, Col 15 Spaces: 4 UTF-8 CRLF Python 3.10.2 64-bit 🖟 🕻
                                                           9°C
Sunny
```

._____

8.3. Development Phase -3



8.4. Development Phase -4



S = --- S = --

12. What is testing?

12.1. Importance and types of testing

Software testing is the act of examining the artifacts and the behaviour of the software under test by validation and verification. Software testing can also provide an objective, independent view of the software to allow the business to appreciate and understand the risks of software implementation.

Importance:

Identifies defects early.

Improves product quality.

Increases customer trust and satisfaction.

Detects security vulnerabilities.

Helps with scalability.

Saves money.

Types:

Integration Testing.

Unit Testing.

Functional Testing.

Security Testing.

Performance Testing.

Regression Testing.

Stress Testing.

Acceptance Testing.

13. Future Enhancement

- o Change In Behaviors Of Searching.
- Voice In Gaming Industry
- Individualized Experiences
- o Voice-Tech in Healthcare
- Voice Cloning
- Way of Sharing Technology

14. References & Bibliography

Website referred:

www.stackoverflow.com

www.pythonprogramming.net

www.codecedemy.com

Books referred:

Python Programming – Kiran Gurbani

Learning Python – Mark Lutz

Resources: -

- 1. YouTube
- 2. Google

THANK YOU