

# PROJECT ON VOICE ASSISTANCE

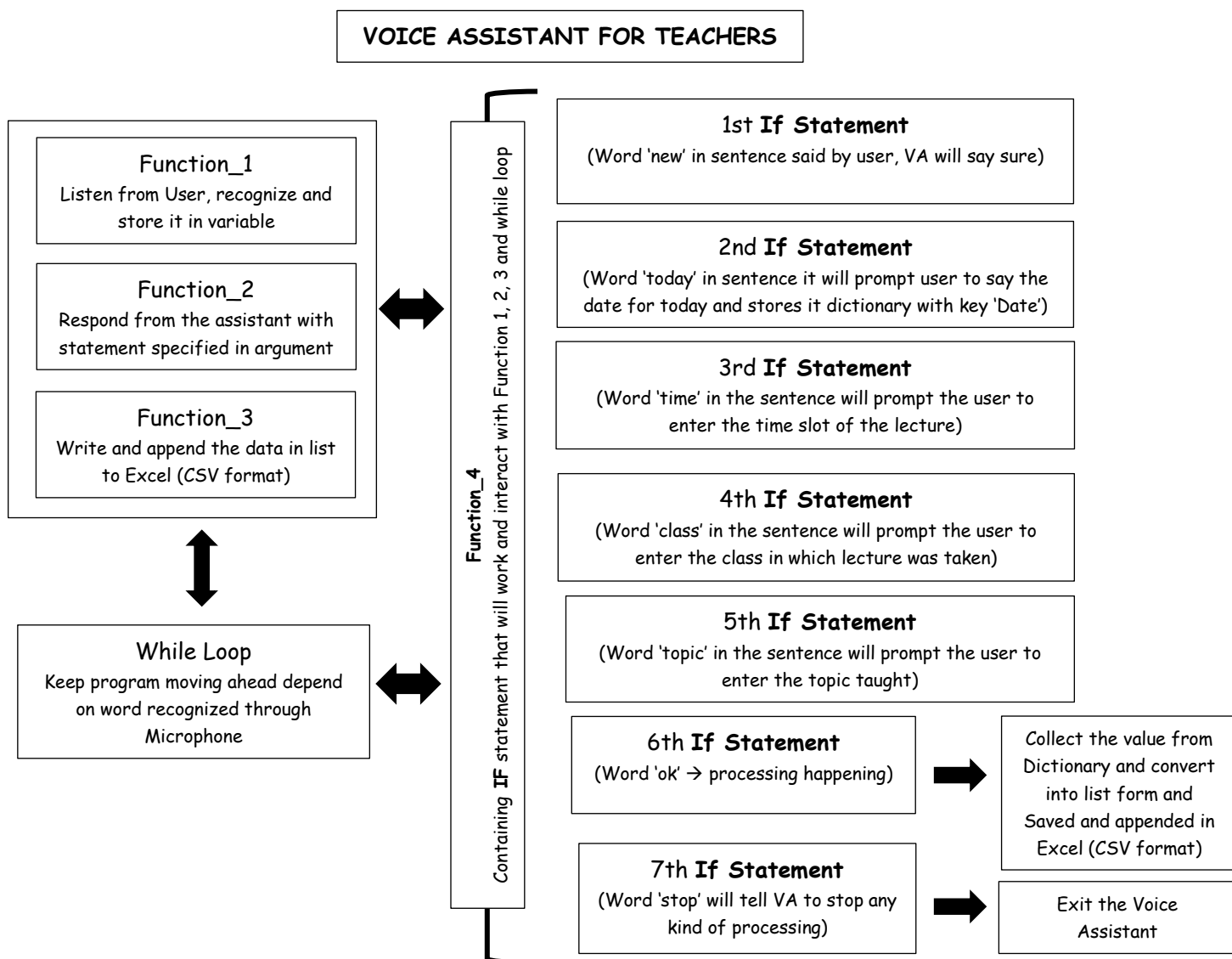
**Aim:** Create voice assistance to aid teachers to incorporate daily lecture record into excel file of type csv format.

**Required packages:**

- 1] pip3 install SpeechRecognition
- 2] pip3 install gtts
- 3] pip3 install playsound
- 4] pip3 install PyAudio-0.2.11-cp37-cp37m-win32.whl

\*Note: Project has been created in version Python 3.7.7 & PyAudio-0.2.11-cp37-cp37m-win32.whl file is provided in the folder

**Flow Chart of program:**



## PROJECT ON VOICE ASSISTANCE

**Code File:** project.py (Given in file)

**Output:** **Sample output:** In command prompt when code is running i.e.

```
C:\User\name\Desktop\project> python project.py
Voice Assistant at your service, #prints this line
What can I do for you? #printed plus it will speak out the sentence.
I am listening.. # will be prompted i.e. user has/ have to speak
new #first word to be spoken by u should be new
You said: new #it will print what u said
Sure! # will be prompted i.e. user has/ have to speak
I am listening.. # will be prompted i.e. user has/ have to speak
You said:today #2nd word to be spoken by u should be today
Enter the date #Statement print and speak
I am listening.. # will be prompted i.e. user has/ have to speak
You said:10th June #3rd word to be spoken by u should be date
I am listening.. # will be prompted i.e. user has/ have to speak
You said:time #4th word to be spoken by u should be time
Enter the time: #Statement print and speak
I am listening.. # will be prompted i.e. user has/ have to speak
You said:10:00 a.m. #5th word to be spoken by u should be time of lecture
I am listening.. # will be prompted i.e. user has/ have to speak
You said:class #6th word to be spoken by u should be class
Enter the Class in which the lecture was taken? #Statement print and speak
I am listening.. # will be prompted i.e. user has/ have to speak
You said:MSc #7th word to be spoken by u should be M.Sc or B.Sc.
I am listening.. # will be prompted i.e. user has/ have to speak
You said:topic #8th word to be spoken by u should be topic
Enter the Topic Taught: #Statement print and speak
I am listening.. # will be prompted i.e. user has/ have to speak
You said:genetics #9th word to be spoken by u should be topic of the lecture
I am listening.. # will be prompted i.e. user has/ have to speak
You said:ok #10th word to be spoken by u should be "ok"
Processing..... #prompted and speak indicating its processing
{'Date': '10th June', 'Time': '10:00 a.m.', 'Class': 'MSc', 'Topic': 'genetics'}
I am listening.. # will be prompted i.e. user has/ have to speak
You said: stop #11th word to be spoken by u should be "stop"
Listening Stopped
See you Vyomesh
```

**Output Excel (csv format):** M\_Sc\_Bio.csv (Given in Document)

## PROJECT ON VOICE ASSISTANCE

### Advantage:

- 1] Teacher doesn't need to sit after lecture or after week to enter and remember the all the date, time, class and topic being taught.
- 2] It can Save time for doing other work and also help mind memory to occupy other information

### Drawbacks:

- 1] Data for row should be feed in proper order at ago i.e. date, time, class and topic is to spoken one after the other.
- 2] No Option of editing, as well as format adjustment is missing.

### Future Improvement:

- 1] Implement loop for entering set of data which prompt error if one parameter is being missed or not entered through voice.
- 2] Editing option for the previous records through voice assistance
- 3] Format adjustment for Words Spoken that need to be entered into csv file