

Delhi Public School Ruby Park, Kolkata



COMPUTER SCIENCE PROJECT SYNOPSIS

TOPIC: OPENING APPS WITH
VOICE !

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CLASS: XI

SECTION: L

ROLL NUMBER: 19|

CODE TO OPEN APPS WITH VOICE!

Objective of the Project:

- To make opening apps more comfortable – requiring only your own voice.
- To create a system which can follow vocal instructions without any textual input.

Input and Output of the Proposed System:

INPUT : Simplistic voice commands.

OUTPUT : Automated operations, which at this point includes targeted app booting, and may expand further with development.

Functions or Features of Proposed System:

- Adeptly reads vocal input.
- Accesses and boots the targeted application.

HARDWARE & SOFTWARE TO BE USED:

Minimum System Requirements-

- Processors: Intel Atom® processor or Intel® Core™ i4 processor
- Disk space: 2 GB
- Operating systems: Windows* XP or later, macOS, and Linux.
- Python* versions: 2.7.X, 3.6.X

USED MODULE: pxttsx3

Limitations and Scope of the Project:

- Background noise may cause problems.
- Poor quality microphone usage can lead to recognition problems.
- By the further implementation of more packages, this program can be made to run not just apps, but perform other operations such as managing to-do-lists, playing music, etc.

ROLE OF STUDENT:

Rajarshi Datta (19): Making the program user-friendly with comments, and testing the code.

Anushka Jha (05): Researching and exploring implementation of usable packages and modules.

Debayan Biswas (09): Making the basic structure of the program and performing bug-fixes.

Bibliography:

- 1) Github.com
- 2) Geeksforgeeks.com
- 3) Code With Harry – Youtube Channel