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## JARVIS ARTIFICIAL INTELLIGENT

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### ABSTRACT

The goal of the project is to create a personal assistant for Windows-based computers. Virtual assistants such as Cortana for Windows and Siri for iOS serve as inspiration for Jarvis. It was created with the goal of providing a user-friendly interface for completing a range of operations using well-defined instructions. Voice commands or keyboard input are both options for interacting with the assistant. Jarvis mostly utilises this project for day-to-day tasks like as turning on the light, sending WhatsApp messages, playing music, searching on Google and Wikipedia, and automating Chrome, Windows, and YouTube. Machine learning is used to analyse the user statements/commands and provide the best answer. The study is conducted entirely in the Python programming language.

**Keywords:** *Personal Assistant, Machine Learning, Windows System, Automation, Python.*

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### 1. INTRODUCTION

JARVIS (Just A Rather Very Intelligent System) is a fictional character in the Marvel Cinematic Universe (MCU) who is voiced by Paul Bettany and is based on the Marvel Comics character Edwin Jarvis. Jarvis, in simple terms, is a fictional Artificial Intelligence system that originally featured in Marvel movies. We attempted to create a voice assistant that functions similarly to JARVIS in this project.

We are all surrounded by a variety of technology in the digital era of the twenty-first century. Artificial Intelligence has its own fan following in all of this. However, despite our knowledge in the field of artificial intelligence, we created a large project called "JARVIS Artificial Intelligence." The primary goal of this project is to automate various tasks and make them easier to do.

Speech is a natural and effective means for humans to communicate with software, complementing or even eliminating the use of mouse, keywords, controllers, and gestures. Speech allows users to be productive and informed in a number of situations when other interfaces would not. It is a hands-free, yet accurate, way to connect with applications. Speech recognition is a topic that has a wide range of applications and contexts in our everyday lives. In general, a speech recognizer is a machine that can recognize humans and their spoken words in some way and act on it. A unique feature of voice recognition is its capacity to assist persons with functional disabilities or other types of disabilities. Voice control may be beneficial to them in order to make their everyday tasks easier.

The software's principal goal is to carry out the user's tasks in response to specific orders, which can be given by speech or text. It will simplify the user's job by allowing them to finish a task with only one command.

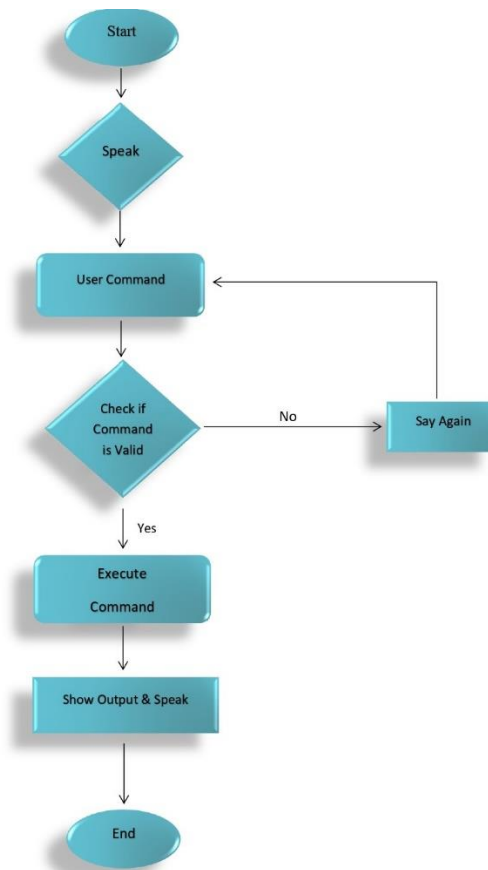
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### 2. FLOW CHART

A flowchart is a diagram that shows how a workflow or process works. A flowchart is a diagrammatic depiction of an algorithm, or a step-by-step procedure for completing a job.

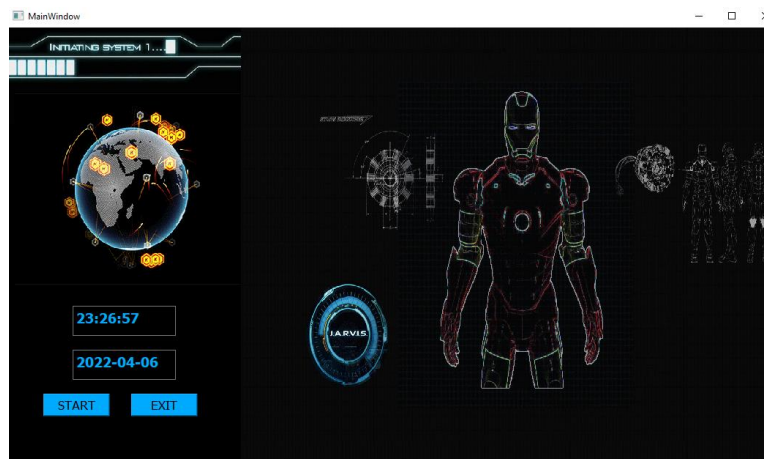
The flowchart depicts the stages as various types of boxes, with arrows linking the boxes in a logical order. A solution model for a particular problem is depicted in this diagrammatic representation. Flowcharts are used in a variety of industries to analyze, create, record, and manage a process or program.

The flow chart depicts the whole operation of the Jarvis project.



### 3. RESULT AND DISCUSSION

**Result:** In this section, we are discussing through some of the snapshot of project



**Discussion:** Here a brief report is present about the advantages and disadvantages

**Advantages:** Human Error is Reduced: Humans make mistakes from time to time, which is why the term "human error" was coined. Instead of Humans, he takes chances. Available Faster Decisions 24 hours a day, 7 days a week

**Disadvantages:** High Creation Costs: Because AI is evolving on a daily basis, hardware and software must be upgraded on a regular basis to keep up with the current requirements. Making People Lazy: AI is making people lazy by automating the majority of their tasks.

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#### 4. CONCLUSION

In this paper, we looked at how to automate a variety of services using a single command. It automates Chrome, Windows, and YouTube to make most of the user's chores easier, such as turning on the light, sending WhatsApp messages, playing music, searching on Google and Wikipedia, and turning on the light. We want to make this project a full-featured server assistant that is intelligent enough to replace regular server administration. Jarvis will be integrated with mobile utilising React Native in the future to deliver a synchronised experience between the two linked devices. Jarvis is also expected to have auto deployment in the future, as well as support for elastic beanstalk, backup files, and all other activities that a regular Server Administrator performs.

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