

G.Narayanamma Institute of Technology & Science

(For women)

(Approved by AICTE, Affiliated To JNTUH, Accredited by NBA & NAAC)

(An ISO 9001:2015 Certified Institution)

Shaikpet, Hyderabad – 500 104

Department of Computer Science & Engineering



AI VIRTUAL ASSISTANT

BY

Harshitha D	19251A05D8
Grace Meghna	19251A05E0
Sreya G	19251A05E1
Harshitha M	19251A05G0

MSeeta
..

ABSTRACT

A virtual assistant, also called an AI assistant or digital assistant, is an application program that understands natural language voice commands and completes tasks for the user using **Artificial Intelligence**.

Artificial Intelligence's main goal is to make Human interaction with computers and other electronic devices much easier and practical . Nowadays, personal assistants who can carry out tasks required for daily needs with just a meaningful phrase is a fast growing area . Many companies have used the dialogue systems technology to establish various kinds of Virtual Personal Assistants(VPAs) based on their applications and areas, such as Microsoft's Cortana, Apple's Siri, Amazon's Alexa, Google Assistant etc. Our project is regarding a voice-based personal assistant. When a particular user needs to open any application, he/she can use the command open. E.g. Open Notepad, File explorer, Google chrome, and this will help to open the applications. It will also restart and shutdown on the command. It will detect the speech and save in the database, and retrieve from the database, execute the command and delete it from database. Interactions between a user and the Virtual assistant skills are mostly free-form, so assistant must understand language naturally and also in context. Virtual assistant also determines what a user wants to do by identifying the user's intent from spoken or textual input by utterance.

The **main purpose** of an intelligent virtual assistant is to answer questions that users may have and tend to them accordingly .Our main objective of building a personal assistant software (a virtual assistant) is to be using different semantic data sources available on the web, user generated content and providing knowledge from different databases while also being able to perform different tasks.

SYSTEM REQUIREMENTS:

Software Requirements:

Platform	-	Windows 7 or higher.
Front End	-	Python.
Development Tool	-	Visual studio/Pycharm.
Back End	-	SQL lite.

Hardware Requirements:

Name of the Processor-	i3 Processor or higher.
Hard Disk Capacity -	1 TB
RAM Capacity -	512 MB or more