⧋lita Virtual Assistant

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**General Information:**

Virtual Assistant is coded in python language and available in Windows first, which performs the regular functions that some of the famous virtual assistant like Siri, Cortana and google perform. It will also break some limitations which will make us stand out.

**Purpose:**

Complete some chores like sending emails, setting alarms and many more tasks can be performed over voice command and not only that you can ask some questions of which you don’t know answers like simple math problems and questions about history and assistant can give you information and resources to look upon.

**Team:**

|  |  |  |
| --- | --- | --- |
| Project Role | Name | Signature |
| Technology reviewer | Pruthvi Soni | P.P.Soni |
| Project Manager | Sahay Patel | S.M.Patel |
| Requirement engineer | Namya Patel | N.V.Patel |
| System Analyst | Vraj Soni | V.K.Soni |
| Software architect | Saumya Mistry | S.A.Mistry |

**Technology Used:**

* Python:
  + Easy to learn
  + enormous libraries
  + Readability
  + Deep / Machine Learning
  + Flexibility
* PyQt5:
  + Python GUI frameworks
  + Written in C++
  + Independent abstractions for Graphical User Interfaces
  + Networking, Threads, Regular expressions
* TensorFlow, Keras, Natural Language Tool Kit:
  + Generate automated responses
  + Machine learning algorithms
  + Self learning
  + Independent
* PyCharm;
  + Easy to use
  + Easy to switch
  + syntax highlight
  + Error checking
  + Auto-completion
* Git:
  + Free and Open Source
  + software for tracking changes in any set of files
  + speed, data integrity
  + Non-linear workflows

**Functions:**

Greetings:

When you start Alita, it will greet you with some things like “Good Morning! how can I help you? or Good Afternoon! how can I help you?”

Basic Math Problems:

Do you wan to do quick math problem? Alita can do basic and complex math problem. For that user have to give a problem to Alita through voice command. Example “Alita, what is 1586 + 65842 or Alita what is 1234\*7845+45875”

Weather Forecast:

Want to check Weather before going out, No Problem. Alita can tell you what is weather. For that user should allow Alita to access their location and can be known just by saying “Hey Alita, can you Please tell me weather”

News:

Do you what is todays most viral news, or do you want to know what is gong on over news? Alita can tell you Top trending news. User should say “Hey Alita, can you Please tell me news” or “Alita, what is today’s news”

Open Website:

Alita can open any website by your voice command. User should say something like “Hey Alita, can you please open Netflix.com” or “Open Amazon.com”

Open app:

Alita can open any application by your voice command. User should say something like “Hey Alita, can you please open notepad” or “Open Music”

Wikipedia Search:

Wondering what is one of seven wonders Taj Mahal? You can check it on Wikipedia. Alita can do Wikipedia search for you and give you all the information you want. User should say “Hey Alita Search Taj Mahal on Wikipedia”

YouTube search:

Alita can search any YouTube video for you on youtube.com. user should command “Alita, can you please open broken city on YouTube”

Music:

Do like to listen music? Alita can play some music in you by default app for music in your device. User should say something like “Alita, Play some music”

Multiple Language support:

You only know your native language, no problem, Alita still can hear you. Alita Provide 84 language support. if user say, “Can you please change language to Hindi”, Alita will change language to Hindi and start taking commands in Hindi.

Entertainment:

You get bored, nothing to do? Alita can entertain you by telling you some jokes. Just say “Can you please entertain me” or “Can you please tell me a joke”.

Meaning:

Do not know that meaning of nonchalant? Alita can tell you the meaning just by asking her. User can say “Hey Alita can you please tell me the meaning of nonchalant”

Motivate:

Not feeling good today, want to have some motivation? Alita has function to motivate you just by saying “Alita motivates me” you can have some motivation.

Fact/Education:

Educational facts are always fun and interesting you can have one of those provided by Alita. User should say “Alita tells me a fact” or “Alita educates me”

To do list:

Alita can keep track of your to do list. By saying “Add Send email to manager in to-do list”

And more things to add and when you need it you can say “Alita show me to do list”

Translate:

Don’t know all languages? Alita can translate you anything in any language. User should say “Alita translates in Hindi” and after it you can say your sentence to translate.

Feedback:

Feel to send feedback or having some trouble in application? User can send feedback. just say “Alita sends feedback” and she will open feedback form.

Time date:

User can say “Alita tells me time” or “Alita Tell me date” to have time and date.

Send email:

Sending email is easier with Alita. By Saying “Send an email” Alita can open your default email sender in your emulator and also provide some more option to change it and try different sender.

Timer:

Alita can also set timer for you whenever you need on a specific time period to use that function you can say “Can you please set a timer for me” or “Set a timer”

Reminder:

Alita will send you notifications to remind you about your specific thing. To experience that function the user can give a command like “Hey set a reminder” or you can even ask “can you remind me about something”