**ChatBot**

**GOAL:**

* To Design a User Friendly Chatbot.
* The Bot should **Understand** and **Analyse** the way User thinks and reply accordingly.
* It should also solve User’s queries and give out properly formed answers rather than directing the user to the links or pages where the answer ‘may’ lie.

**Technical Details –**

It is a Desktop based application and is built in Python Language.

* **GUI** will be build using PyQT, a Python Framework.
* **Natural Language Processing –** NLTK(Natural Language Toolkit)
* **Machine Learning** – Scikit Learn
* **User Data Storage –** Azure Cloud Services
* **Version Control System –** GitHub

**Flow/ Process –**

**For Example** –

After few conversations with Chatbot, now it knows that its user likes eating Pizza especially Margherita pizza. So when:

User: I am Hungry!

Bot: Should I Order your favourite Margherita pizza?

Options – Yes/No

User: Yes

Bot: Domino's or Pizza Hut

User: Domino’s

Bot: Order Placed! Approximate Delivery Time - 20 mins.

Here the bot asked Domino’s or Pizza Hut on the basis of earlier order. And the delivery time on the basis of the Company’s location from User’s House according to current Traffic and Distance.

**Scope –**

1. Chatting
2. Question/Answer –It will provide the answer itself and below it, the links of webpages from where it extracted the Information.

Support Features:

1. Weather Forecast
2. Time Schedule of Trains, Flights
3. File Search
4. Booking and Ordering
5. Syncing Mail
6. Location Services – Nearby places, shops

**Limitation -** As it is a generalized Chat Bot hence will also require huge amount of Training Data.