## TITLES (hat Bot

- · Probley: Develop a eleventary Chatbot for Suggestion StateMent investment as for the customer need.
- Objective: To understand the concept of natural language frocessing.
  - · To understand nitk library.
- outcome: Student will be able to
  - Processing.
  - · hear how to boild elevertary that bot.
  - Hardware and: Os: windows | Linex listribution (64 bit)

    Hardware lython Libraries, Julyten note book.

    Requirements 40B RAM, SOO GB HOD, Core is above

    Processor.

Theory:

A (hat bot is also known as talkbot, charkerbot lot, the bot interactive agent on Ashipicial conversational entity). is a confuter or an artifical intellegence which conduits a conversation via auditory on textual message. Such programs are after designed to convincingly simulate how a human would because as a conversational fattern thereby passing the turking test. Chatbots are typically used in dialog system for various

practical furloses including customer service or injournation acquisition. Some matterbots use sophisticated natural language processing system. but mary simpler systems scan for keyworld within the input , then full a selly with the most notching keywords. or the most similar wording Pattern from a database. The term chatterbot was originally wined by Michael Maludin (creator of the Jisst Verbot Tolia) in 1994 to describe his conversational frograns. Today, Most chatbots are either accept via Vistual assistant such as google. Assistant and mazon plexa. Via messaging alls such as Facebook messerger or we chat. Or Via individual organization alls and website. Chatbots can be classified into usage categories. Such as conversa-- transl commerce, analytics, communication, austones, support, design, developers tool, Education, entertainment, genance, gave etc. Chatbots work an fattern recognifican & set of Algo SithMb: Most Chatbots works on a basic model og: 1. Enfifices: The thing the user is taking about.
2. Intents: The question the user asks the chatbot. 3. Response: The answers the chatbot Provides.

Creating a that bot that uses AI:

Zons systems uses machine learning and

natural language Processing to interpret text like

a ferbon and find the arriver. They are also use visual information such as Jacial regognition and images comparies such as anazon, IBM, Microsoft, Offers Machine Feathing AI Platforms you can use to fower your awn AI - driven chatbot.

vatural tanguage fracessing:

Natural tanguage processing produed braking down sentences and other parts of languages.

into components. It process the senatics of the content to identify the things like the entitles of the water. I'ms has been a hard problem for computer science to tacke, but recent advance in the field have made this bearble.

Machine bearing :

Juese System use a corpus (a body of content)

to retrive the correct arower. Machine rearring

works best with Massive refrositories. So it will

after include open source refrository such as

Structured witifeda. It uses algorithms to marifota

to the data farticularly linguistic lattern matching

to find and score the information in the correct

corpus. It continues to information in the correct

based on its interactions with users. In other words

the machine learns—

feeding the bots: 30 help machine hearn subject matter explert train it by ulloading paris of

questions and assures.

Steps-up Steps:

if Download the Program - ab I'le.

2) coly the bots solder into Project Jolder.

3] Add the Ab. Jar file to the Project Prosonies

5) create the aim! file in bots super aim folder.

5) create the aimlocsu gile in bots super aiming solder

Program execution:

Itomas: Hello

Robot: Hi nice to see you.

tasen? of trow g: nonut

Robot: There are many opinions to invest

1. Regional on investments panks

2. Stocks.

Hurran : 1. Regional

Robot: Juera asse Mary SBI, HOFC, Kotak, etc.

Ituman: Kotak.

Robot: kotal agent 10:1. "interest.

tura : quit bye

Robot: Bye.

conclusion: Thus we successfully completed the elementary that bot using NITE is brown in Python.