

Objective of chatbot

- 1) To establish a friendly interaction with the human
- 2) To perform the tasks specified by the human such as paying bills, maintaining remainder.
- 3) To communicate with the language the user is familiar with
- 4) For making appointments at a particular location in absence of human

Review Literature:-

Natural Language processing is the ability of the machines to understand, analyse and generate human speech. The goal of NLP is to make interactions between computer and human feel like two humans are actually communicating with each other. With NLP, the computer has the ability to understand the natural language spoken by the human, understand the meaning of it, and if needed, respond to it by generating natural language to communicate back to the person. NLP is a field of computer science that has been around for a while, but it has gained popularity in recent years as advances in technology have made it easier to develop computers with NLP abilities.

In 1950, Alan Turing has published his famous paper titled 'Computer Machinery And Intelligence'. The paper proposed a test to determine if a machine can trick a human in identifying that whether the person or human judge communicating is communicating with the person or with the robot. This test became popular as the Turing test and passing it would signal the goal of artificial intelligence.

The most essential part of the Turing Test is communication, the machine must communicate with human effectively, which is called natural language processing.