

Project

Title - Chatbot with Python

Objective - Chatbots allow businesses to connect with customers in a personal way without the expense of human representatives. For example, many of the questions or issues customers have been common and easily answered.

Dataset - <https://www.kaggle.com/datasets/grafstor/simple-dialogs-for-chatbot>

Used library –

- import nltk - use for human language data and natural language process
- import string - provide various string related constants, function, classes, also coordination ASCII letters
- import pandas - for working with dataset, data frame and manipulate the data frame, read the data set
- import nlp_utils
- import matplotlib.pyplot - library and create plots
- Import sklearn.metrics.pairwise - for implement a range of MI, pre-processing, cross validation and visualization algorithms

SDLC - A software life cycle model (also termed process model) is a pictorial and diagrammatic representation of the software life cycle. A life cycle model represents all the methods required to make a software product transit through its life cycle stages. It also captures the structure in which these methods are to be undertaken.

- 1) Planning and requirement analysis
- 2) Design
- 3) Develop
- 4) Testing
- 5) Deployment
- 6) Maintenance

Coding – attached .ipynb and .txt extention file

- 1) Chatbot.ipynb
- 2) Dialogs.txt

Problem Faced – faced issue with the “sentimentintenceanalyser” and because of this unable to check the positive or negative Query and Answers.