

## Abstract

The objective of this project is to create a chatbot that can respond to queries related to a certain domain. The purpose of the domain specific chatbot is to help in gathering information about a given subject by asking questions to the bot and receiving information in response. This can be implemented using python along with certain deep learning and natural language processing libraries such as Tensorflow, Keras and NLTK(Natural Language Toolkit). The natural language processing portion will consist of the dataset that provides the keywords and terms the bot will respond with. The deep learning models will be used to train the chatbot to provide legitimate responses to queries regarding the subject.