

AI Based discourse for Banking

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Existing Papers:

[1]. The Impact of Chat-Bots on the Banking Experience

The Indian banking sector plays a crucial role in the economy of our country and is constantly evolving and innovating its services to enable and to serve its customers better and round the clock to the fullest of their capacity. One of the most revolutionizing step in this regard is the introduction and implantation of chatbots that is redefining the banking experience in many ways.

Advantages:

1. It assists the Banks Marketing Department.
2. It facilitates core Banking Activities.

Disadvantages:

1. Lacking in Multilingual.

[2]. Banking Bot (B-Bot):

In this paper we present a chatbot which is a banking Chatbot called B-BOT which resolves all the bank related queries. The chatbot's model can be divided into three sections – Backend, ML model and Frontend. The main functionality of the chatbot is carried out by Rasa Framework.

Advantages:

1. Use message passing technology for Interaction which gives a better understanding for AI.

Disadvantages:

2. Didn't have Speech Recognition.

[3]. A Review of Chatbots in the Banking Sector

Abstract—Chatbot is a software application that listens to a user's query in natural language and responds accordingly. There is rapid adoption of the latest technologies in banking and chatbots are one of them. Answering customer queries and assisting customers with banking transactions are some of the ways in which it's making an impact on the industry.

Advantages:

1. To avoid involving navigating through a lot of pages to find the information you need.
2. A smart chatbot takes a query from the user in natural language and gives the appropriate response for the same.

Disadvantages:

1. Approach requires large amounts of training data and is difficult to train.
2. User initiated dialogues are error prone because users can say anything they want.

[4]. A study of applications of Artificial Intelligence in banking and finance sector.

Artificial Intelligence (AI) is reckless growing as the go-to technology for companies across the world to personalize experience for individuals. The technology itself is getting enhanced and smarter day-by-day, allowing more and newer industries to adopt the AI for various applications. Banking sector is becoming one of the first adopters of AI and just like other segments, banks are exploring and implementing the technology in various ways.

Advantages:

1. Help them track their financial activities.

2. AI in finance has automated processes and drastically reduced the cost of serving customers.

Our Proposed system Advantages:

Multilingual: Users can switch to their native language and interact with our chatbot.

Dynamic UI: Our chatbot will help to navigate to every position and explain what is what.

Speech Recognition: Users can give voice commands and request replies from our chatbot.

Reference Papers:

[1]. The Impact of Chat-Bots on the Banking Experience published at April 2021.

Author: Geeta Narula, Rakhi Narula.

[2]. Banking Chatbot (B-Bot)

Author: Dr. C. Punitha Devi, Dr. S. Geetha , N. Nagalakshmi , S. Karthiga, V. Suvedha.

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[3]. A Review of Chatbots in the Banking Sector published at June 2021

Author: Shashank Bairy R, Rashmi R.

[4]. A study of applications at Artificial Intelligence in Banking and Finance Sector published at 32 May 2022.

Author: Dr. Lakshkaushik Dattatraya Puri.

