Artificial Intelligence

Format for Mini Project Synopsis

Title page:

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4. Batch: T5
5. Proposed Topic: AI Chat-bot

Introduction

Our project is AI Chat-bot using Python3. The AI chat-bot learns from your customer's input, understands context & responds accordingly. The chat-bot continuously learns & improves to provide the most accurate answer every time. AI chat-bot is a software that can simulate a user conversation with a natural language through messaging applications. It increases user response rate by being available 24/7. Chat-bots use machine learning and natural language processing (NLP) to deliver near human like conversational experience.

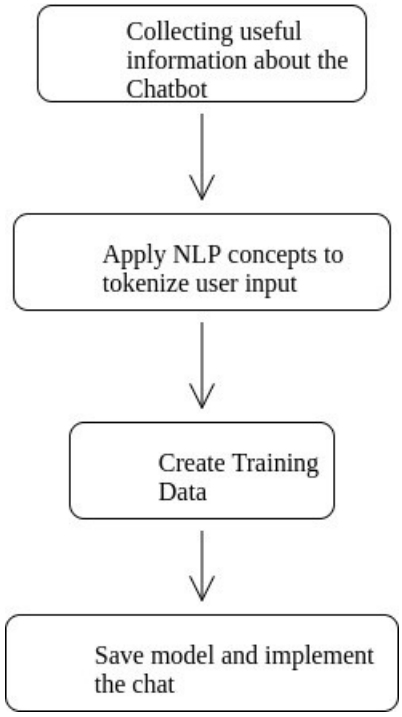
Feasibility Study:

Chat-bot applications streamline interactions between people and services, enhancing customer experience. At the same time, they offer companies new opportunities to improve the customers engagement process and operational efficiency by reducing the typical cost of customer service. To be successful, a chat-bot solution should be able to effectively perform both of these tasks. Human support plays a key role here: Regardless of the kind of approach and the platform, human intervention is crucial in configuring, training and optimizing the chat-bot system.

Literature Survey:

Chat-bots are a promising technology with the potential to enhance workplaces and everyday life. In terms of scalability and accessibility, they also offer unique possibilities as communication and information tools for digital learning. In this paper, we present a systematic literature review investigating the areas of education where chat-bots have already been applied, explore the pedagogical roles of chat-bots, the use of chat-bots for mentoring purposes, and their potential to personalize education. We conducted a preliminary analysis of 2,678 publications to perform this literature review, which allowed us to identify 74 relevant publications for chat-bots' application in education. Through this, we address five research questions that, together, allow us to explore the current state-of-the-art of this educational technology. We conclude our systematic review by pointing to three main research challenges: 1) Aligning chat-bot evaluations with implementation objectives, 2) Exploring the potential of chat-bots for mentoring students, and 3) Exploring and leveraging adaptation capabilities of chat-bots. For all three challenges, we discuss opportunities for future research.

Methodology/ Planning of work



Facilities required for proposed work

Laptop. Python IDE.

Pytorch, NLTK

Timeline

Show the time chart for your mini project.

1st week: Collecting useful information about the chat-bot.

2nd week: Apply NLP concepts to tokenize user input

3rd week: Create Training Data

4th week: Save model and implement the chat

Bibliography

https://www.scribd.com/document/458182353/A-Study-of-Todays-AI-through-chat-bots-and-Redisco-pdf