PPR-1

1. We have identified the problem statement and have done a discussion with the guide regarding the feasibility. We have read relevant research/review papers and have identified the architecture used for the problem statement.
2. Creating a chatbot that can efficiently and effectively answer the queries of the user is difficult because each person can have different syntax for a question with the same semantics.
3. We need support to deploy our project using Cloud to analyze user queries so that we can increase the efficiency of the user query response.
4. We have referred several research papers namely "Chatbot for University Related FAQs" by Bhavika R. Ranoliya, Nidhi Raghuwanshi, and Sanjay Singh,

"A Deep Reinforcement Learning Chatbot" by Iulian V. Serban, Chinnadhurai Sankar, Mathieu Germain, Saizheng Zhang, Zhouhan Lin, Sandeep Subramanian,

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PPR-2

1. Based on our problem statement, we have done a discussion with our guide. We have read relevant research/review papers and identified the architecture which is suitable in our problem statement.

2. Creating a chatbot that can efficiently and effectively answer the queries of the user is difficult because each user can have different query syntax for the same question.

3. We need support to deploy our project using Cloud to analyze user queries so that we can increase the efficiency of the user query response.

4. We have referred several research papers namely "Chatbot for University Related FAQs" by Bhavika R. Ranoliya, Nidhi Raghuwanshi, and Sanjay Singh,

"A Deep Reinforcement Learning Chatbot" by Iulian V. Serban, Chinnadhurai Sankar, Mathieu Germain, Saizheng Zhang, Zhouhan Lin, Sandeep Subramanian,

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PPR-3

1. After reading different research/review paper we start our project by doing practical in NLP using some inbuilt libraries like NLTK. We analyze which word of the user query is important and which is not by performing some operations like stop keywords and vectorization process.

2. Challenge in this project is how efficiently and effectively our chatbot can answer user queries on the different syntax but the same semantics.

3. We need support to deploy our project using Cloud to analyze user queries so that we can increase the efficiency of the user query response.

4. We have referred several research papers namely "Chatbot for University Related FAQs" by Bhavika R. Ranoliya, Nidhi Raghuwanshi, and Sanjay Singh,

"A Deep Reinforcement Learning Chatbot" by Iulian V. Serban, Chinnadhurai Sankar, Mathieu Germain, Saizheng Zhang, Zhouhan Lin, Sandeep Subramanian,

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PPR-4

1. After removing unnecessary keywords from the user query we used different techniques on it like a bag of words, TFIDF, etc. and analyse its output so that we can increase our user query responses.

2. In this project, the main challenge is how we can increase the efficiency of our chatbot so it can respond to different user queries very effectively and accurately.

3. We need support to deploy our project using Cloud to analyze user queries so that we can increase the efficiency of the user query response.

4. We have referred several research papers namely "Chatbot for University Related FAQs" by Bhavika R. Ranoliya, Nidhi Raghuwanshi, and Sanjay Singh,

"A Deep Reinforcement Learning Chatbot" by Iulian V. Serban, Chinnadhurai Sankar, Mathieu Germain, Saizheng Zhang, Zhouhan Lin, Sandeep Subramanian,

Taesup Kim, Michael Pieper, Sarath Chandar, Nan Rosemary Ke, Sai Rajeshwar, Alexandre de Brebisson, Jose M. R. Sotelo, Dendi Suhubdy, Vincent Michalski, Alexandre Nguyen, Joelle Pineau, and Yoshua Bengio, "Survey on Chatbot Design Techniques in Speech Conversation Systems" by Sameera A. Abdul-Kader and Dr. John Woods.