**Project group members:**

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| --- | --- | --- |
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**Name of the topic:** ***Banking Bot***

**Abstract:** The concept of chatbots has not been a new in this technological growing society. An intelligent chat bot will be used to give information or answers to any question asked by user related to bank. Our Intelligent system will first take input from bank customer. This input will be taken as voice or written format. According to input, intelligent system will processes the query and give response to user. An artificial intelligence is most important and helpful part of our project. Intelligent system is automation of activities associated with human thinking, decision making, and problem solving process.

**Literature survey:**

Current chat bots are developed using variety of methods like rule based where rules are hard-coded in code, AI based bots, pattern-based which can handle only mentioned patterns for retrieving answer. There are frameworks available for developing chat bots but they also use either rule-based or pattern-based techniques. In rule based chat bots which are easiest to build, one need to write rules like If X then Y else if A then B etc. So if there are 100 scenarios, developer needs to write 100 rules for each of the scenarios. The volume, variety and complexity of data makes such techniques inefficient. Its nearly impossible to write rules and/or patterns for massively available data. AI based bots are built on NLP and ML. They are based on human capability of learning information but with more efficiency. Natural Language Processing (NLP) can be used where predefined or static rules, patterns may not work.

**Problem statement:** The projects aim is to create a chat-bot based interactive question-answering system capable of pronominal anaphora in a user-driven dialogue. The intention is that a user will be able to collect data on a given subject faster.

**Software / Hardware requirements:**

* Software requirements

1. [IB](https://www.ibm.com/cloud/watson-assistant/)M Watson
2. Node.js

* Hardware requirements

1. i3 Processor Based Computer
2. 4GB-Ram
3. 320GB Hard Disk
4. Monitor