# LiteratureSurvey

#### TeamID:PNT2022TMID37257

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DomainName: Banking and Finance

UsecaseName: AIbaseddiscourseforBankingIndustry

# Paper-1

**Title**: A Review of Chatbots in the Banking Sector**Author**: Shashank Bairy R and Rashmi

RPublishedyear:2021

**Description**: This paper explains the basic anatomy of the chat bots and the various applications of the chat bots in banking sector. It also went overvarious improvements that could be made on the

currentchatbottechnologies. Itstatesthattheroleofchatbotsplayinthebanking sector willonly continue to raisedue to the constant improvements being made to its logicand increased demandamong the customer for better experience.

#### Paper-2

Title:DialogueAIforFinancialServices

Author: Takeshi Shirai, Masaaki Yamamoto, Ph.D., YuAsano, Ph.D., Yusuke Fujitaand Katsuyuki Tsunami

Publishedyear:2018

**Description**: By examining the challenges faced by current chat bots and the strategies being used to solve them, this article describes the technologies and features that future dialogue Als will require in order to be effective busine sapplications of dialogue Alinbanking in stitutions. Dialogue Alinbanking in stitutions. Dialogue Alinbanking in stitutions as straightforward user interface.

#### Paper-3

Title: AnOntology-BasedDialogueManagementSystemforBankingandFinanceDialogueSystems

Author: Duygu Altinok

**Description**: Keeping the dialogue state in dialogue systems is a notoriously difficult task. So this paperintroduce an ontology-based dialogue manager (OntoDM). With this new framework the author addressesthe dialog management. It describes domain-driven ways to keep the conversation memory, both the userand the bot side, make the anaphora resolution, generate knowledge-based answers, possibly contributeto what to say next, integrate linguistic features into the context NLU but answer generation modules were considered indetail in this paper.

# Paper-4

Title: CHATBOTSINBANKINGINDUSTRY: ACASESTUDY

**Author**:Dr.ShaliniSayiwal **Publishedyear**:2020

**Description**: The about paper states regarding the banking industry and the technology has

providedseveraluniquewaystoenablethesectortomaximizeconsumerhappiness.Introducingchatbotstoitsclientsisonesuch clevertactic. Oneofa bank'smostpromising businesstechniquesthat canhelp

it win the loyal ty of its devoted consumers is the use of chat bots created using AI. This paper examines about the prosand consoft hee xisting Chat bots names EVA (Electronic Virtual Assistant) of HDFC (Housing Development Finance Corporation Limited) and Keya of Kotak Mahindra Bank.

# Paper-5

Title: Conversation to Automation in Banking Through Chatbot Using Artificial Machine Intelligence Language and the property of the prope

 ${\bf Author:} Sasha Fathima Suhel, Vinod Kumar Shukla, Sonali Vyasand Ved Prakash Mishra$ 

Publishedyear:2020

**Description**: The paper demonstrates how A I is always evolving. This study introduces an ovelide a that discusses machine intelligence and highlights the possibilities of intelligent systems. The latest disruptive force that has altered how customers connectist he growth of chat bots in the finance industry. Artificial intelligence has transformed the way that banks communicate with their consumers in the banking sector by enabling chat bots. Any nation's development depends he avily on the banking industry. It also investigates the chat bot's current usability to determine whether it can satisfy customers' fluctuating needs.

# Paper-6

Title: Survey of Conversation to Automation in Banking Through Chatbotusing Artificial Machine Intelligence Language and the Conversation of the Conversation of

Author: Asst. Prof. VeenaMNaikandSandhyaShree

Publishedyear:2022

**Description**: The above studymentions the advent of chat bot and it also examines the efficacy of chat bot snowto see if they can accommodate clients' shifting needs. This paper also states about the Artificial Linguistic Internet Computer Enterprise A. L. I. C. E (Foundation of Artificial Intelligence, 2007). It proposes onto logy-based solutions for addressing conversation in the banking and financial industry.

#### Paper-

**7Title**: AI-based Chatbot Service for Financial Industry**Author**: TakumaOkudaandSanaeShoda

Published year: 2018

**Description**: Inthispapertheauthors discussed about Financial Services Solution

byFUJITSU,FinplexRobotAgentPlatformisanAI-

based business chat bots olution (also known as FRAP). By allowing customers to communicate with a robot that has knowledge am assed through machine learning, FRAP achieves automatic robot support of financial-

productsalesandcustomerservice. The developments incorporate chatbots ervices and some examples of how to use chatbots in business applications are first covered in this article. After that, it provides a case study of Sony Bank Inc.'s use of FRAP and outlines its features.

# Paper-8

Title: Text-BasedChatbotinFinancialSector: ASystematicLiteratureReview

 ${\bf Author:} Hana Demma Wube, Sintayehu Zekarias Esubalew, Firesew Fayiso Weldesellasie and Taye Girma Debelee Market Fayiso Weldesellasie Andrew Girma Debelee Market Fayiso Weldesellasie Andrew Girma Debelee Market Fayiso Market$ 

Publishedyear:2022

**Description**: This study gives a thorough, systematic analysis of the literature of papers on text-based chatbots in the banking industry. It discusses the understanding of chatbots in the financial sector in terms of implementation, adoption intention, attitude toward use, and acceptance; it also discusses how people perceive, expect, and trust chatbots, as well as how they are engaging and emotionally motivated; management of the security and privacy vulnerabilities of the chatbots; and it identifies potential strategies that can impede the effective, successful use of chatbots. Finally, the keyfindings on the use of text chatbots in the financial industry are given. In addition, the unresolved problems in the existing study are noted, and an umber of future research avenues are recommended.

# Paper-9

Title: Development of Dialogue Management System for Banking Services Author: Samir

Rustamov, Aygul Bayramova and Emin Alasgarov Publishedyear: 2021

**Description**:Inthepaper,themaintwocomponentsofdialoguemanagementsystems—NLUandDialogueManager—havebeeninvestigated.InthefirststepofNLU,theyutilizedtheLanguageIdentificationcomponentforlanguagedetectionwithbothbuilt-inLImethodssuchas fastText and customML modelstrained on the domain-

baseddataset. These condstep of the work was the comparison of the classic ML classifiers and DIET architecture for the user intention detection. Four different ML algorithms with nine various features are trained with 36 different models. The Dialogue Management module is then trained by transformer embedding dialogue policy.

# Paper-10

Title: Chatbot for Healthcare System Using Artificial

Intelligence Author: Lekha Athota, Vinod Kumar Shukla, Nitin Pandeyand Ajay Ra

naPublishedyear:2020

**Description**: The paper's primary goalisto provide visitors with basic healthin formation. When a person initially accesses the website, they must register before they may ask the bot questions. If the answer is not found in the database, the system employs an expert system to respond to the requests. Domain experts are also required to register by providing certain data. The chatbot's dataiskept in the database as pattern-templated ata. Here, the database is managed through SQL.