# LITERATURE SURVEY

TEAM NO: PNT2022TMID08215

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| S.NO | TITTLE&YEAR | AUTHOR | PROPOSED WORK | TOOLS | TECHNOLOGY |
|---|---|---|---|---|---|
| 1. | Shopbot:An image based search application for E-Commerce (2017) | Nishant Goel | There is a need of a virtual shopping assistant or a shopbot which recommends products based on an image of the product provided by a user. It will be designed to provide relevant responses to the user queries by performing image recognition. This report explains the proposed approach along with the implementation for the virtual shopping assistant. | • Artificial Intelligence Markup Language(AIML)<br>• Chat Script<br>• AWS<br>• Google API | Cloud Application Development, Artificial Intelligence, Deep Learning. |

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| 2. | A Virtual Shopper Customer Assistant in Pervasive Environments (2017) | Antonella Santangelo , Agnese Augello , Salvatore Sorce , Giovanni Pilato , Antonio Gentile , Alessandro Genco ,Salvatore Gaglio. | In this work we propose a smart, human-like PDA-based personal shopper assistant. The system is able to understand the user needs through a spoken natural language interaction and then stores the preferences of the potential customer. | • Multi-model Interaction<br>• Chatbot<br>• Natural Processing Language | Cloud Application Development, Machine Learning. |

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| 3. | Designing the Future of Personal Fashion (2018) | Kristen Vaccaro, Tanvi Agarwalla, Sunaya Shivakumar, Ranjitha Kumar. | We propose future personalized, online interactions that address consumer trust and uncertainty, and discuss opportunities for automation. This paper presents the results from two independent needfinding studies that explore the gold-standard of personalized shopping; interacting with a personal stylist. | • NLP<br>• Facebook Messenger Chatbot<br>• API<br>• PS Bot | Cloud Application Development, Artificial Intelligence. |

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| 4. | ISA: An Intelligent Shopping Assistant (2020) | Tuan Manh Lai, Trung Bui, Nedim Lipka. | In this paper, we introduce a mobile-based intelligent shopping assistant, ISA, which is based on advanced techniques in computer vision, speech processing, and natural language processing. | • Computer Vision<br>• NPL<br>• Speech Processing<br>• Chatbot-ISA | Cloud Application Development, Deep Learning. |

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| 5. | Information System for Recommendation List Formation of Clothes Style Image Selection According to User's Needs Based on NLP and Chatbots (2020) | Vitaliy Husak,Olga Lozynska , Ihor Karpov, Ivan Peleshchak, Sofia Chyrun , Anatolii Vysotskyi. | The work is devoted to the development of the information system for creating a list of recommendations for fashionable style of clothing meeting the user's needs using NLP and chat bots. It provides studying and practical use of chat bots as virtual assistants involving natural language processing. The purpose of this work is to develop software so that chat bot will be function on Telegram messenger base. | • NLP<br>• Chatbot<br>• API | Cloud Application Development, Machine Learning, Data Mining. |

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| 6. | The Effects of Chatbot Anthropomorphism and Self-disclosure on Mobile Fashion Consumers' Intention to Use Chatbot Services (2021) | Minji Kim,Jiyeon Park ,MiYoung Lee | This study investigated the effects of the chatbot's level of anthropomorphism - closeness to the human form - and its self-disclosure - delivery of emotional exchange with the chatbot through its facial expressions and chatting message on the user's intention to accept the service. | • Chatbot<br>• Anthropomorphism<br>• Dialogflow<br>• Speech Recognition | Cloud Application Development, Deep Learning. |