Project ideation phase

# Project survey

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| **DATE** | **19TH SEPTEMBER 2022** |
| **TEAM ID** | **PNT2022TMID02998** |
| **PROJECT**  **NAME** | **PROJECT-PROJECT survey** |
| **MAXIMUM**  **MARKS** | **4 MARKS** |

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| S.NO  : | [ | **TITLE**  Type here] | **AUTHOR** | **YEAR**  **OF**  **PUBLI**  **CATIO**  **N** | **PROBLEM IDENTIFIED** | **TECHNIQUE USED** | **DRAWBACKS** |
| 1.) |  | **Open source Chat**  **Bot development**  **Framework-RASA** | **J.Praveen**  **GUjjar and V. Neven kumar** | **2022** | 1. **The machine learning Chat Bot is data driven and predictive in nature.** 2. **Machine learning Chat Bot is designed in such a way that chat bot can learn from the previous experience.** | 1. **Chat Bot uses open Source**   **framework**   1. **Artificial**   **intelligence,deep learning, Chat**  **bot,NLU,RASA**   1. **Rasa has two building blocks are rasa NLU and RASA NLU core** | **1.)** **Rasa is a NLU based machine learning Chat Bot and developer can develop the Chat bot by writing the customized python**  **code in action.py**  **file** |
| 2.) |  | **A survey of designing tools for chatbot** | **Bhagyashr**  **ee**  **Deshpane**  **de , et.al** | **2022** | **1.)** **Address customer queries instantly without the need for a support Agent.** | 1. **Rule based chat bot,** 2. **AI based chat bot** 3. **Hybrid chat bot** | 1. **Chat bot have limited response, so they are not often able to answer multipart question.** 2. **AI Chat bot is a technology that makes interaction between man and machine using natural language possible.** |
| 3.) |  | **A chat bot system**  **for multi- dimensional Datasets** | **Maria**  **Halena Franciscat**  **to , et.al** | **2022** | **1.)** **Finding information may be complex task for end user** | **1.)** **Chatbot can be used for allowing the user to “talk to data” by adding metrics and dimensions to a query** | **1.)** **We showcase the potential limitations that multisource variability may have for covid-19 ML research on**  **large international**  **DRNS** |
| 4.) |  | **Automatic Generation of business**  **Intelligence chat bot for organisations** | **Mahdi**  **Sanisharif**  **, et.al** | **2022** | **1.)** **There accessibilit y and usability are still issues organisatio nal structure, developing a chat bot is complex** | **1.)** **They developing interactive BI chat bot according to various organisational needs** | **1.)** **To alleviate these issues, organizations use chat bot** |
| 5.) |  | **A survey of recommendation system:**  **Recommendation models, techniques and application fields.** | **Hye young ko, et.al…** | **2022** | **1.)** **Improve the**  **performanc e of**  **recommen dation**  **model and recommen dations systems technology** | **1.)** **In this technology the**  **recommendation system is largely divided into a data mining part that performed analysis based on data collected about item and user** | **1.)** **In this technology, the**  **recommendation system is largely divided into a data moving part that performed analysis based on data collected about item and user.** |
| 6.) |  | **Chat bot design and approaches** | **AR.D.B. Landim , et.al…** | **2021** | **1.)** **Chat bots can bring innovation** | 1. **Dialog system** 2. **Virtual assistant** | **In the use of chat bot, the literature review was carried out** |

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|  | **for fashion**  **Ecommerce** |  |  | **assistance and communica**  **tion with customers.**  **2.)** **Due to the growth of Ecommerce**  **fashion brand have adopting chatbots to provide personalise d consumer**  **experience d** | 1. **Recommendation system** 2. **Chat bot** 3. **Fashion** | **according to 3-phase methodologies.** |
| 7.) | **Fashion**  **Recommender systems, models and methods** | **Samit**  **Chakrabar**  **ty , et.al…** | **2021** | **1.)** **Many choices are available in the e-**  **commerce platform but , we have less Fashion**  **recommen**  **dation system** | 1. **Filtering techniques** 2. **Algorithm models** 3. **Fashion**   **recommendation and E-commerce** | **1.)** **Time series analysis and accurate categorization of predict images on the variation in colour , trend and clothing style in order to develop on effective recommendation system** |
| 8.) | **The effects of chat bot**  **Anthropomorphin**  **and Selfdisclosure on mobile fashion Consumer’s**  **Intension to Use**  **Chat bot services** | **Minji kim, et.al…** | **2021** | 1. **AI chatbot growing**   **rapidly in recent years.**   1. **Consumers perception of chat bot is critical.** | **1.)** **It would be necessary for a follow up to investigate user experience and satisfaction of chatbot.** | **1.)** **The “human like chat bot” with high anthropomorphism levels discloses itself more through facial expressions** |
| 9.) | **Adopting Text**  **Similarity**  **Methods and Cloud Computing to build a college Chat bot Model** | **Zaid**  **A.Mundhe**  **r ,wissiam K. Khater,**  **Laith**  **M.Ganeem** | **2021** | 1. **Text similarity algorithm** 2. **Cosine similarity algorithm** 3. **Jaccard similarity algorithm** 4. **NLP** 5. **Mobile**   **Programmi**  **ng** | 1. **The closed domain concentrates on one specific field only.** 2. **This approach needs a large dataset with millions of examples to train the model** | **1.)** **Need to connect chatbot with more number of users** |
| 10.) | **Information**  **System for**  **Recommendation**  **List Formation of Clothes Style Image Selection**  **According to**  **User’s Needs Based on NLP and Chatbots** | **Vitaliy**  **Husak ,**  **Olga**  **Lozynska,**  **Ihor**  **Karpov,**  **Ivan**  **Peleshcha**  **k ,**  **Sofia**  **Chyrun ,**  **Anatolii**  **Vysotskyi** | **2020** | **1. Chat bots in the clothing. e-commerce segment**  **Nike StyleBot, eBay**  **ShopBot, H & M bot for Kik, chatShopper, Masha.ai. Nike StyleBot in Facebook Messenger gives users the**  **ability to** | **All the pictures are only female models for those looking for**  **men's things; they can only use the official site.** | 1. **The disadvantage is that the bot focuses only on women.** 2. **The user will only**   **associate with one brand**   1. **Clothes sets can only be picked up by women.** 2. **The bot is only available on**   **Facebook Messenger** |

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|  |  |  |  | **create outfits; they can create their own**  **style or sneakers.**   1. **A large range**   **of new**  **Styles.**   1. **Design and navigation.** 2. **Creation of your own sneakers.** |  |  |
| 11.) | **A survey paper on chat bot** | **Swati singh, Et.al…** | **2020** | 1. **Investigatio n of client**   **necessities**  **.**   1. **The future excellent of the task is principally centred around the examining and investigatin g different enthusiasti c lopsided characteris tic looked by any human.** | 1. **Chat bot, artificial Intelligence based conversation stage which is named as “Animo”.** 2. **A talk bot is a product that utilizes manmade brain power [AI].** | 1. **The outcome from this survey would be not exactly a more joyful age.**      1. **The idea of RNN can be utilized for usage of a conversational chat bot.** |
| 12.) | **Development of the speech to text Chat bot interface based on Google**  **API** | **Nataliya sts hakvov sk** | **2019** | **1.)** **The system require virtual**  **environmen t only.**  **2.)**  **With all related library uploaded and include into it such as one of the important framework** | 1. **Telegram API, python, heroku, cloud application platform.** 2. **The algorithms of Rubin-karp and**   **knut-prat** | **1.)** **Complexity of the developed algorithm Hashbot** |
| 13.) | **A Novel Approach**  **for**  **Ontology-Driven**  **Information**  **Retrieving**  **Chatbot for**  **Fashion**  **Brands** | **Aisha**  **Nazir ,**  **Muhamma d Yaseen Khan ,**  **Tafseer**  **Ahmed ,**  **Syed**  **Imran**  **Jami ,**  **Shaukat**  **Wasi** | **2019** | **1.)** **They created an**  **ontology-based on the set of 5000 questions and answers considering the top-10 clothing brands.The proposed Chatbot covers**  **all**  **necessary and general information relevant to clothing brands like dress** | **1.)** **Clothing brands lack instant**  **assistants at their official websites and social web page,**  **which is seen as a core facility**  **provided by international brands. Several tussles are required to make a well organized artificial bot to produce fast results.** | **1.)** **This research work is limited to only**  **ten clothing brands and provides concern areas information to customers** |

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|  |  |  |  | **designs, fabric stuff, the material used in the product, accessories, and**  **services like home**  **delivery, return, exchange, discounts, sales, and, etc.**  **2.)** **The developers rely on**  **IR techniques.**  **This is good because IR based chatbots have the edge over others as they produce an informative and fluent response as they select responses from pregenerated conversation repositories** |  |  |
| 14.) | **An Intelligent**  **Personalized**  **Fashion**  **Recommendation**  **System** | **Cristiana**  **Stan,Irina**  **Mocanu** | **2019** | **1.) Recognitio n module that performs recognition**  **of a**  **cloth item together with its attributes; this classification divides each cloth item into 9 classes:**  **bleizer, blouse, coat, dress, jacket, trousers, skirt, sweater, Tshirt, that are relevant both for the identification of the type of item (trousers, blouse,**  **etc.), but also for the style**  **Of the cloth item (jeans jacket, leather jacket, etc.). Each item has associated a set of attributes.** | **1.)** **Recognition module that**  **performs recognition of a**  **cloth item together**  **with its attributes; this classification divides**  **each cloth item into 9 classes:**  **bleizer, blouse, coat, dress, jacket, trousers, skirt, sweater, T-shirt, that**  **are relevant both for the identification of the type of item (trousers, blouse, etc.), but also for the style**  **of the cloth item (jeans jacket, leather jacket, etc.). Each item has associated a set of attributes.**  **2.)** **Recommendation module**  **that provides fashion recommendations based on both fashion rules and**  **user’s preferences** | **1.)** **The main drawback of using**  **a**  **Two-layer**  **convolutional neural network consists in having the classification process very time consuming.** |

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|  |  |  |  | **2.) Recommen dation**  **module**  **that**  **provides fashion recommendation s based on both fashion rules and user’s preferences** |  |  |
| 15.) | **Redefining the offline retail experience designing product recommendation system for fashion stores** | **Hanke, Jannis, et.al…** | **2018** | 1. **The design product of recommen**   **dation system for fashion stores.**   1. **The important issues of the aim of this research is the sensing capability of fashion retail**   **environmen**  **t and the integration of contextual information can improve the**  **quality of such recommen dations.** | 1. **Smart service systems** 2. **Recommendation systems** 3. **Context awareness** 4. **Internet of things** 5. **Retail industry** 6. **Predictive analysis,** 7. **Fitting rooms** |  |
| 16.) | **A survey on the chat bot implemented in customer service indulging through Deep neural learning** | **Monamma d**  **Nuruzzem an, Omer khadeer Hussain** | **2018** | 1. **To explore the equability of the deep neural network and to engage in human conversatio ns** 2. **The main thing is sidesteppin g some of the limitations of specific models and**   **implementa tion**  **mechanidi m** | 1. **Chat bot application system must have Natural learning (NLP) And Deep**   **learning networks.**   1. **Sequence to sequence model in deep recurrent natural**   **network.(DRNN)** | **The major challenge in developing a good model is that creating an adequate sense of context and effectively related inputs and output** |

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