

Web Application for Community Answering

S. Abzal Basha¹, S. Vijayalakshmi²

¹UG Scholar, ²Assistant professor, Department of Computer Science and Engineering,
Saveetha School of Engineering, SIMATS, Chennai
¹abzalsyedqe@gmail.com, ²Vijilak.sse@gmail.com

Article Info

Volume 82

Page Number: 10779 - 10782

Publication Issue:

January-February 2020

Abstract

In before period if we need any items for the daily life we directly went to the shop and bought the item. If the item is the regularly purchased item is not a problem. But if the item is new to the market or if we buy the product at the first item we don't have any idea about the product. We directly purchased the item and after the using the item we can able to find whether the product is the good or bad. But nowadays we can buy the products in the online. In this paper they propose the community detection. If the product we want to buy we can directly searched the product and read the review. The review has the question and answer. These question and answer statement can provide the essentials details about the product. With the help of these comments we can calculate the quality of the product. This system can be implemented using community detection. It can provide the efficiency of about 93% with more positive outcome.

Article History

Article Received: 18 May 2019

Revised: 14 July 2019

Accepted: 22 December 2019

Publication: 19 February 2020

Keywords: eLearning, question answering system, student and Community Answering.

1. Introduction

In India the digital marketing has been improved in a large scale when compared to the past few years. From skilled person to unskilled person all are using smart phones. They all are living in the digital world. The digital world attracts most of them because they are more efficient and saves much time. All the things made simple in the current digital scenario. The patron wants to purchase anything they needs they did not wants to go to the shop and waste their time and human effort. There is multiple of online website to purchase their needs from their home. If they choose the particular website they first wants to login to the website at the login stage they ask about the patrons name, address, some other details. After that they can redirect to the purchasing page. The page contains the all the product details with specification and rate. The patrons can go through the product description after go through the details they want to buy that product or not is it that patron opinion. If they any doubt there is the palaver cyborg which can clear all the queries of the patrons. The palaver cyborg is mainly proposed in this paper. The palaver cyborg consist of the queries, the patron can give their queries as the input text to the palaver cyborg. The palaver cyborg can takes the input queries and check the relevant answer about the queries with the memorandums base.

After fetching the details in the memorandums base the answer has been converted into the human language which can be displayed in the output screen. The palaver cyborg is the artificial intelligence thing in which can response to the patron needs within some period of time. The palaver cyborg is user friendly that can be much effective and time efficient. The palaver cyborg are also known as the patron friendly or interactive AI.

Before some years if the people wants to interact with anyone is the human only human to human interaction is takes place but now the interaction can be varied the people to human interaction has be involved. The people interaction with system can takes place any time and any situation it does not need time, place etc. Likewise the palaver cyborg if the people want to communicate at any time it does not need the time line scenario. The memorandums base has been designed using the sql the memorandums base must contains the all the relevant details and results to the patrons queries. The memorandums base can be stored in the cloud. The cloud can be large extent of space in which it easily fetches the information within a fraction of second. The details are stored in the stack manner which can be easily to fetches the information. The palaver cyborg has become more effective and efficient in the real world.

2. Literature Survey

Fatiha Akef et., al., proposed in today's technology the online studies get increased. Due to the vast number of the online users in the world, the use of the online websites as becomes increased. This system can help the students to study in the online. They can enormous content in the server. Based upon our need the information has been fetched and display according to the needs. The e learning system is the leading education system which can help the student to improve the knowledge by its own. This system has proposed the QAS method which is the question answer system. In the e-learning method the can respond to the question which can be generated by the system. In the period of answering the question they can use the knowledge in deep sense so it gives some kind of work to the brain. In before days the teacher wants to teach the student and he wants to clarify all the doubt of the student. But it not satisfy all the student. The way of teaching from one person to another may get varied. So it will lead some drawbacks. To check the students understanding we need to conduct the test of each and the every student. By using the e learning system the student can understand the topic and they can think the answer for the each questions. The research has been made the existing system using the multi technique in multi layer manner with various angles. This system is more helpful and more effective in improving the knowledge among the student. [1]

Sonal Jain et., al., proposed for each and every product in the online a review has been made. The review can contain the various questions and answers. If the one person can ask the question about the product the other person can repeat the relevant answer according to that. Or else the answer is the auto generated one which is get stored in the server. There are various set of answers which is get allocated in the data sets. This paper proposes the separation of the questions and the answers. The classification among the questions has been made. Based upon the classification the data are get allocated in each and every section. The classification has been made using the machine learning method or rule based or hybrid. The classification of the question can be more helpful to get the product details easily. For what question they are searching they can fetch the answer. This method has been done by the use of the experiment 550 medical questions has been carried out from the patient to the doctor and they can separate each and every questions by using the two layered system. It can classify the question into sections. The test has been carried out how the doctor can react towards the patient questions. This question classification can help to get the details more easily and quality of the product can be easily determined. [2]

Khaled Shaalan et., al., proposed the online shopping can be emerged in all parts of the world. The use of the web application can be increased day by day. In the past few years the use of the internet has become increased due to the smart phone. Form the skilled person to the unskilled person all is using the smart phone. By the use

of the phone users get increased likewise the online users are also get increased. In Google and yahoo website if we search a product or several needed things they can give the details in the form of document. The document can consume more space in the server and it consumes more time to avoid these kind of fault. In this paper they propose the answer questions system. The user can answer the question based upon the knowledge about the particular thing. The research has been made among the English and the European language. The questions have been made among this language. But this system is not get implemented in the Arabic language it is difficult to maintain the question answer system. This paper can enlarges the vision and develop the question answer system in Arabic language. [3]

Chen Junjie et., al., proposed the extraction of the outcome of the users who get searched for the specific item which they needed. The users can searched the specific item and they can review the comment for the each and every section. If the person needs search the specific things of the product they give the input as the questions. The given question is directly matches with the FAQ it fetches the answer from it. Otherwise it uses the influenza question answering system and the shallow semantic system is implemented to evaluate the required result of the user. This method is more accurate in predict the answer form the searched question. The multi stage strategies are used to calculate the outcome result. [4]

Zhang Xuan et., al., proposed in before paper the question answering system is proposed. The users question can be matched with the FAQ can provide the result perfectly otherwise it will undergoes some sort of algorithm it will consumes more time and the efficiency is get affected in larger part. In this paper they propose the Tibetan online automatic online question answering system. This can frames the several rules for the each particular answer and question. If the searched question can matches the rules the answer can be fetched within a limited period of time. This can reduced search time and the difficulties in the question answering system. This system is more accurate and effective. [5]

Mukesh A. Zaver et., al., proposed in the recent search the people who searches for the several meaning the outcome are in the sort of the document. This document can occupy the large space in the server. The space consumption can be reduced the question answering system. In this method the direct question answering system is employed. It employs a distribution semantic model when the user can search the details of the particular thing they can fetches the information directly according to the requirement. Instead of fetching the data in the in the large set of document it can provide a single stage of answer. This can reduce the time period and difficulties. The data can be gathered at the single path. So the space requirement can be minimized. This method is more accurate and effective. The data can be available freely in less period of time. The direct interaction between the answer user and the question

user. The answer can provided by the system to the users who searching. [6]

Giulio Napolitano et., al., proposed By the vast outcome of the question answer system used in various part of resources. So this paper shows the use of the question answer system in various native languages. The data set has been maintained which is about 2 millions set of data. Due to the vast use of the QA system the scalability is get increased. The increased scalability may extend their vision into various native languages. The use of the SPARQL method can provides the searched data in which the answer is get provided at their need of their native language. The queries are getting collected in the sets of the data. The natural languages are getting combined at the specific part. When the user searched the data to the particular thing the relevant answer is get collected and stored in the database. In which native language the user searched the answer is also get provided according to the same language. The QAOLD which is the question answer over linked data can be used for the linking the answers in the various language. This system can be provide the relevant data of about 79%. [7]

Cungen Cao et., al., proposed based upon our need the information has been fetched and display according to the needs. The e learning system is the leading education system which can help the student to improve the knowledge by its own. This system has proposed the QAS method which is the question answer system. In this paper they propose the Tibetan online automatic online question answering system. This can frames the several rules for the each particular answer and question. If the searched question can matches the rules the answer can be fetched within a limited period of time. This can reduced search time and the difficulties in the question answering system. The queries are get collected in the sets of the data. The natural languages are getting combined at the specific part. When the user searched the data to the particular thing the relevant answer is get collected and stored in the database. In which native language the user searched the answer is also get provided according to the same language. The research has been made the existing system using the multi technique in multi layer manner with various angles. [8]

Dang Tuan Nguyen et., al., proposed now a days the if there is any doubt get raised they directly went into the online and searches the particular thing and clarify the doubt. They doubt clarification can be made with the question answering system. In this paper they propose the RASM which is the reading answering system model. The RASM can be more useful in when we searched for the desired thing it can provide the answer immediately by reading the input and provides the output. The RASM is a central kernel based system. The RASM can involve two main steps the first one is the grammar defining and the second thing is the seeking the method to answer the questions. The various sorts of new types of questions can be fetched easily by using the RASM which can formulate a better outcome. When compared to the other

model this is better and accurate with maximum efficiency. [9]

Son The Pham et., al., proposed in before paper the QAS system is applied to the user who searches the data for their need. By providing the question the answer gets resulted as the outcome. In this paper they propose the use of the QAS in the field of the air traffic system. The questions which are get provide by the controller the relevant answer can be gathered from the sets of the data. The word2vec system is used in which the information is get provided to the user or the controller in which based upon the questions the answer is get evaluated. This method is being differ from the previous paper they are used for the analyzing the data but here it is used to transfer the information which is act as the medium of segmentation. [10]

3. Proposed Method of Web Application for Convert the Community Answering

This paper mainly shows the use of the question answering system. In increased technology the use of the online user can be increased. They can use the internet as the toll fetches the information. If they need the several details of the product they can ask the question towards it that can provide the answer relevant to it. This method can be achieved by the community detection by the use of the machine learning algorithm. It is more effective and accurate.

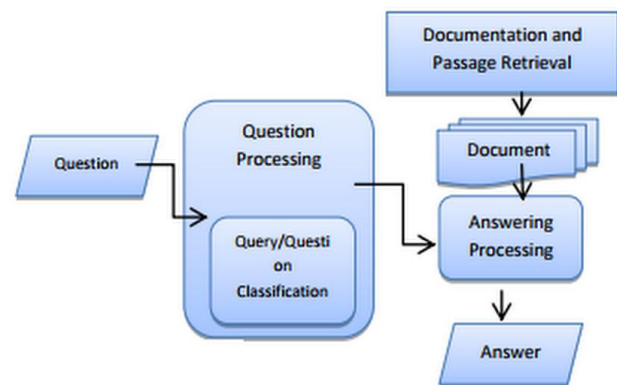


Figure 1: Architecture Diagram of Proposed System

4. Results and Discussions

In our proposed system we have designed a web application for community users. Searching is a major task in the field of computer whatever we search plays a vital role in execution time. But most of the time we end up in trouble of getting wrong information's. To solve this problem we have designed our proposed work. In this proposed work whatever key words we are giving will be taken into account and according to the keywords the answering will be provided. The following figure illustrates us how the community answering takes place according to our proposed system.

Search Help Tables Logout					
Answers ▾					
Answers					
Answer	Question	By	CreatedAt	AnswersMenu	SELECT Answers
A2 of Q5	Question5	demo2	07/15/2016 18:33	Menu ▾	A2 of Q5 A2 of Q5 ▾A2 of Q5 ▾
Answer6	Question4	User1	07/02/2016 08:58	Menu ▾	Answer6 Answer6 ▾Answer6 ▾
A1 of Q5	Question5	demo2	06/27/2016 20:34	Menu ▾	A1 of Q5 A1 of Q5 ▾A1 of Q5 ▾
Answer5 for Question4	Question4	user2	06/27/2016 17:18	Menu ▾	Answer5 for Question4 Answer5 for Question4 ▾Answer5 for Question4 ▾

Figure 2: Community Answering Demo

5. Conclusion

In our proposed system we have designed a web application which gives answers correctly according to our need. Information fetching engines are enormous but their accuracy level plays a vital role in getting the correct information's. But in our proposed system we have designed a search applications which helps us in fetching information's more accuracy than before.

References

- [1] A syntactic and semantic multi-agent based question answering system for collaborative e-learning Abderrazzak Samadi ; El Fazazi Hanaa ; Mohammed Qbadou ; Mohamed Youssfi ; Fatiha Akef IEEE 2018.
- [2] Question classification for medical domain Question Answering system Tripti Dodiya ; Sonal Jain IEEE 2018.
- [3] Question classification for Arabic Question Answering Systems Hani Maluf Al Chalabi ; Santosh Kumar Ray ; Khaled Shaalan IEEE 2018.
- [4] Design and implementation of influenza Question Answering System based on multi-strategies Zhang Wei ; Zhang Xuan ; Chen Junjie IEEE 2018.
- [5] Research on Question Classification Method of Tibetan Online Automatic Question-Answering System Rou Te IEEE 2018.
- [6] Novel Answer Ranking Approach in Question Answering System Using Compositional Distributional Semantic Model Rutal S. Mahajan ; Mukesh A. Zaver IEEE 2018.
- [7] A Mighty Dataset for Stress-Testing Question Answering Systems Bastian Haarmann ; Claudio Martens ; Henning Petzka ; Giulio Napolitano IEEE 2018.
- [8] ACQA_onto: An ontology approach for restrain domain question answering system Depeng Hu ; Wensheng Wang ; Nengfu Xie ; Cungen Cao IEEE 2018.

- [9] Implementation Method of Answering Engine for Vietnamese Questions in Reading Answering System Model (RASM) Son The Pham ; Dang Tuan Nguyen IEEE 2018.
- [10] Research and Application of Question Answering System in the field of Air Traffic Control IEEE 2018.