

**“Social Q&A: An Online Question and Answer System”**¹Aniket Thorat, ²Saurabh pangrikar, ³Shubham Mane, ⁴Ashutosh Mawalkar^{1,2,3,4} D Y Patil College Pf Engineering, Akurdi Pune

Abstract — Question and Answer (Q&A) systems play a major role in our commonplace of living for info and data sharing. Users post queries and choose inquiries to answer inside the system. As a results of the rapidly growing user population and so the variability of queries, it's unlikely for a user to return upon a matter unintentionally that he can answer. unselfishness does not encourage all users to produce answers, to not mention fine quality answers with a short answer wait time. the primary objective of this paper is to reinforce the performance of Q&A systems by actively forwarding inquiries to users World Health Organization area unit capable and willing to answer the queries. To this finish, we have got designed and enforced Social Q&A, an internet social network based totally Q&A system. Social Q&A leverages the social network properties of common-interest and mutual-trust friend relationship to identify an talker through friendship that area unit probably to answer the question, and enhance the user security. we have a tendency to tend to collectively improve Social Q&A with security and potency by protective users privacy and additionally retrieving answers automatically for continual queries. We have a tendency to tend to explain the planning and algorithms, and conducted comprehensive large-scale simulation to guage Social Q&A as compared with different ways. Our results suggest that social networks area unit typically leveraged to reinforce the answer quality and asker's waiting time. we have a tendency to tend to collectively enforced a real model of Social Q&A, and analyze the Q&A behavior of real users and queries from a small-scale real-world Social Q&A system.

Keywords- Question and answer systems, Social networks, Information search

I. INTRODUCTION**What Is social Media???**

A social internetnetwork platform may be a net platform that peoples square measure victimization recently on a awfully high demand for creating social networks WHO will even use the same personal or career orientated interest, backgrounds and real time connections. All social media services square measure offered on-line

Loopholes Of Social Media (Insecurity Of Social Media

The zoom and presence of on-line social media services has given a sway to the approach individuals act with one another. on-line social networking has become one in every of the foremost common activities on the net. Social network analysis has been a key technique in trendy social science, geography, economics, and knowledge science. knowledge|the info|the information} generated by social media services usually remarked because the social network data. In several things, the info has to be printed and shared with others. Social networks square measure on-line applications that enable their users to attach by means that of varied link varieties. As a part of their skilled network; owing to users specify details that square measure associated with their calling. These sites gather intensive personal info, social network application suppliers have a rare chance direct use of this info may be helpful to advertisers for marketing. Publish knowledge for others to research, even if it's going to produce severe privacy threats, or they'll withhold knowledge owing to privacy issues, even if that creates the analysis not possible. A privacy breach happens once sensitive info concerning the user, the data that a personal desires to stay from public, is disclosed to Associate in Nursing antagonist. For examples, business firms square measure analyzing the social connections in social network knowledge to uncover client relationship which will profit their services and merchandise sales. The analysis results of social network knowledge is believed to doubtless offer an alternate read of real-world phenomena because of the sturdy association between the actors behind the network knowledge and universe entities. Social-network knowledge makes commerce far more profitable. On the opposite hand, the request to use the info also can return from third party applications embedded within the social media application itself. for example, Facebook has thousands of third –party applications and also the variety is growing exponentially. even if the method of knowledge sharing during this case is implicit, the info is so skipped over from the info owner (service provider) to totally different party (the application) the info given to those applications is common not change to guard users' privacy. Desired use of knowledge and individual privacy presents a chance for privacy-preserving social network data processing. That is, the invention {of information|of knowledge|of knowledge} and relationships from social network data while not violating privacy.

Privacy issues in social networks are often primarily categorised into 2 types: inherent-data privacy and latent knowledge privacy. Inherent-data privacy is said to sensitive knowledge contained within the knowledge profile submitted by users so as to receive data-related services.

III. EXISTING SYSTEM

Q&A play a really necessary role in our daily life for info and information sharing but in our existing system quality of answer weren't that a lot of correct or not happy to user and conjointly the waiting time was additional, to beat by this case and user satisfaction we have a tendency to square measure adding new choices at intervals the system

Disadvantages of Existing System

1. Wait time – waiting time additional, user ought to wait to get the answer.
2. Quality knowledge – user not happy by the answer.

IV. PROPOSED SYSTEM

Q&A play a crucial role in our way of life for data and information sharing however ancient they weren't that abundant correct or not happy to user and therefore the waiting time was a lot of, to beat by this drawback we have a tendency to area unit enhancing the system by up the performance of Q&A systems by actively forwarding inquiries to users UN agency area unit capable and willing to answer the queries. to the present finish, we've designed and enforced Social Q&A, an internet social network based mostly Q&A system. Social Q&A leverages the social network properties of common-interest associate degreed mutual-trust friend relationship to spot an talker through relationship UN agency area unit presumably to answer the question, and enhance the user security. we have a tendency to additionally improve Social Q&A with security and potency enhancements by protective user privacy and identifies, and retrieving answers mechanically for repeated queries. we have a tendency to describe the design and algorithms, and conducted comprehensive large-scale simulation to guage Social Q&A as compared with alternative strategies. Our results counsel that social networks is leveraged to enhance the solution quality and asker's waiting time. we have a tendency to additionally enforced a true paradigm of Social Q&A, and analyze the Q&A behavior of real users and queries from a small-scale real-world Social Q&A system

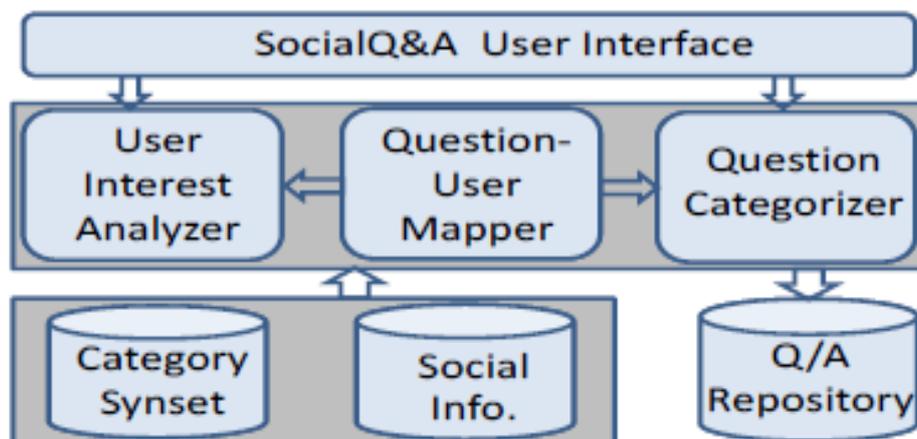
How insecurity reduced through planned system

Social question and answer system with security and privacy enhancements protects user and retrieve answers mechanically for queries post by users. this technique can forward the inquiries to consultants UN agency will offer the proper and expected answer as before long as potential.

Advantages of planned system:

- With the assistance of planned system user can get answer as before long as potential.
- Proposed system will work fairly to balance privacy and security.
- Proposed system can advocate the knowledgeable to the user as per topic so user can get precise and correct answer.

V. SYSTEM ARCHITECTURE



Result Analysis

Input:

Here, Whole System taken many more attribute for the input purpose but here author mainly focuses on the Time and performance of system. Based some few attributes we will getting following analytical result for our proposed system.

EXPECTED RESULT:

No.	Feature Name	Value Range of Each Feature
y1	User Gender	Male, Female.
y2	Expert	Based on topic knowledge
y3	Topic Formation	All topics that experts wants to answer
y4	Topic Name	Question of users
y5	LDA	Removing Stopword
Y6	Start Time	Start time of posting the questions on timeline of social media
Y7	End Time	End time of system with recommendation of experts
Y8	Time Range	Time range of recommendation
Y9	Time Consumption	End Time – Start Time.

Fig: Result Table

- A = Computation Cost.
- B = Time Consumption.
- C = Scalable.
- D = Waiting Time.
- E = User Friendly.

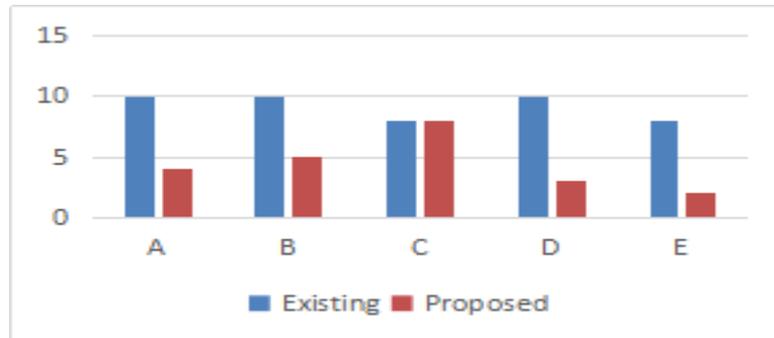


Fig: Time line chart of Result Analysis

VI. CONCLUSION AND FUTURE WORK

In our project we are providing quality answer with less waiting time to number of users. For quality answer and less wait time we have developed and prototyped an online social network based Q&A system, called Social Q&A. It utilizes the properties of a social network to forward a question to potential answer providers, ensuring that a given question receives a high-quality answer in a short period of time. It removes the burden from answer providers by directly delivering them the questions they might be interested in, as opposed to requiring answer providers to search through a large collection of questions as in Yahoo! Answers or flooding a question to all of an asker’s friends in an online social network. The bloom filter based enhancement methods encrypt the interest and Friendship information exchanged between users to protect user privacy, and record all n-grams of answered questions to automatically retrieve answers for recurrent question. Since same questions may be presented very differently and the same question may be answered differently in different situation.

VII. REFERENCES

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