**COMMUNITY INQUIRY: AN INTERNET-BASED SOCIAL CONNECTION PLATFORM FOR QUERY AND RESPONSE**

**ABSTRACT:**

Question and Answer (Q&A) systems play a significant role in our everyday life for info and information sharing. Users post queries and decide inquiries to answer within the system. because of the chop-chop growing user population and also therange of queries, it's unlikely for a user to bump into a matter inadvertently that (s)he will answer. Also, selflessness doesn'tencourage all users to supply answers, to not mention top quality answers with a brief answer wait time. the first objective of this paper is to enhance the performance of Q&A systems by actively forwarding inquiries to users WHO square measurecapable and willing to answer the queries. to the current finish, we've designed and enforced SocialQ&A, an internet social network based mostly Q&A system. SocialQ&A leverages the social network properties of common-interest Associate in Nursingd mutual-trust friend relationship to spot an querier through relationship WHO square measure possibly to answer the question, and enhance the user security. we tend to conjointly improve SocialQ&A with security and potency enhancements by protective user privacy and identifies, and retrieving answers mechanically for perennial queries. we tend to describe the design and algorithms, and conducted comprehensive large-scale simulation to guage SocialQ&A compared with differentstrategies. Our results recommend that social networks may be leveraged to enhance the solution quality and asker’s waiting time. we tend to conjointly enforced a true model of SocialQ&A, and analyze the Q&A behavior of real users and queries from a small-scale real-world SocialQ&A system.

**SYSTEM ANALYSIS**

**EXISTING SYSTEM:**  
The growing importance of Q&A systems demands a shot to higher perceive these systems and to enhance. The works in studied the influence of various factors (e.g., users’ profiles, messages prediction, system interactions and community size) within the social networks on Q&A performance. These study results lay the muse of SocialQ&A to leverage social network properties within the style. Note that the prevailing social network supported the asker-answerer relationship in current Q&A systems is completely different from on-line social network supported the social relationship, that is employed in SocialQ&A. The works in targeting locating specialists and authoritative users. Instead, SocialQ&A aims to seek out traditional users that may answer queries together with opinion-type queries. Some studies are conducted to make name models in Q&A systems to extend the credibleness of answers, and to work out the link between the name of the users and also the quality of their provided answers . SocialQ&A directly utilizes the social network property of mutual-trust relationship to encourage users to supply answers while not counting on an extra name model. SocialQ&A shares similarity with different peer-assistant systems like [28] in investing the collective power of peers for an exact goal. Some analysis categorizes queries into predefined classes, creating it easier for users to find antecedently asked queries and for specialists to seek out queries they will answer. Quan et al. projected 3 new supervised term weight schemes for question categorization, and evaluated every theme employing a trace from Yahoo! Answers. Song et al. projected a serial method together with topic-wise word identification and weight, linguisticsmapping, and similarity calculation.

**DISADVANTAGES:-**

1. Information Overload: Due to the vast number of questions, finding relevant answers can be overwhelming.
2. Quality Variance: Answers can range in quality due to the open nature of participation.
3. Repetitive Queries: Lack of effective search can lead to redundant questions, cluttering the system.
4. Influence of Popularity: Popular answers get upvoted more, potentially overshadowing accurate but less visible responses.
5. Potential Bias: Users may upvote based on popularity of the responder rather than answer quality.

**PROPOSED SYSTEM:**

we've developed and prototyped an internet social network based mostly Q&A system, referred to as SocialQ&A. It utilizes the properties of a social network to forward a matter to potential answer suppliers, guaranteeing that a given question receives a high-quality answer in a very short amount of your time. It removes the burden from answer suppliers by directly delivering them the queries they could have an interest in, as opposition requiring Associate in Nursingswer suppliers to go lookingthrough an outsized assortment of queries as in Yahoo! Answers or flooding a matter to all or any of an asker’s friends in an internet social network. The bloom filter based mostly improvement strategies encipher the interest and relationship infochanged between users to shield user privacy, and record all n-grams of answered inquiries to mechanically retrieve answers for perennial question. The onion routing based mostly answer forwarding protects the identities of askers and answers. Our comprehensive trace driven experiments and analysis results on the real-world Q&A activities from the SocialQ&A model show the guarantees of SocialQ&A to reinforce answer quality and scale back answer wait time in current Q&A systems, and demonstrate the secure and potency improvement achieved by the enhancements. Since same queries is also conferredterribly otherwise and also the same question is also answered otherwise in numerous scenario. within the future, we'llcollaborate with different techniques (e.g. topic modeling and word embedding) into SocialQ&A to seek out the redundant question with an outsized scale user set. because of the dynamic of user behavior, SocialQ&A will collaborate a machine learning methodology to regulate 3 parameters suitably, that desires an outsized user base and far a lot of usage. we'llconduct tests on an outsized user base within the real-world experiment.

**ADVATAGES:-**

1. Tailored Recommendations: Advanced algorithms provide users with questions and answers relevant to their interests and expertise.
2. Quality Assurance: Implementation of expert reviews and fact-checking mechanisms ensures higher answer accuracy.
3. Enhanced Search Capabilities: Advanced search functionalities reduce redundant queries and streamline user experience.
4. Balanced Voting: Weighted voting considers user expertise, reducing the influence of mere popularity.

**SYSTEM ARCHITECTURE:-****SYSTEM REQUIREMENTS:**

**HARDWARE REQUIREMENTS:**

• System : Pentium IV 2.4 GHz.

• Hard Disk : 40 GB.

• Floppy Drive : 1.44 Mb.

• Monitor : 15 VGA Colour.

• Mouse : Logitech.

• Ram : 512 Mb.

**SOFTWARE REQUIREMENTS:**

• Operating system : Windows XP/7.

• Coding Language : JAVA/J2EE

• Data Base : MYSQL

**MODULES:-**

**1.UserInterestAnalyzer:**

**2.QuestionCategorizer:**

**3.Question-UserMapper:**