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IMPROVING SEARCH QUALITY USING CLIENT SIDE PRIVACY PROTECTION FRAMEWORK

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ABSTRACT:

Most of the users are looking for useful information from web search engines. Present web search engines are not providing useful information all the time. Search engines are returning the irrelevant results information. Personalized web search engines aim to provide better search results content. Users submit the different queries. we analyzed all queries that make generalized query and hide the unwanted keywords information. Anyway we can reduce the risk. Finally we can submit the customizable search query. Generalized query does not provide that much high quality results.

Main challenge of new search system is achieving high performance and high speed searching. Here first collect the different users search keywords information. Find out each and every query keyword which weight based on frequency. Consider the weight to assign the index. After find out the index next to assign rank for generalized queries. This is not final generalized query. This type of generalized query is known as an auxiliary query. Again users submit the new query. Every time query is going to upgrade. Compare to previous generalized query, present generalized query improves the performance.

Keywords: keyword query, indexing techniques, frequency.

I.INTRODUCTION

Searching is the common factor to know the information from the internet**.** Internet is one of the service providers. Service providers provide search result information to the users. Web search engine allows the users to access the required information. Present search engines reveal irrelevant information. To avoid irrelevant data, we can design personalized web search engines.

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Automatically search engine relevance and feedback will be increasing.

Personalized search engines scrutinize the information in search engine relevant results. These relevant results are not likelihood results. Users are not satisfied with generated query results.

Collection of all generalized queries and creates the index table. Index table contains each and every word weight. Using weighted keywords information create efficient prefix search query. Prefix search query provides most likelihood results compare to all previous methods.

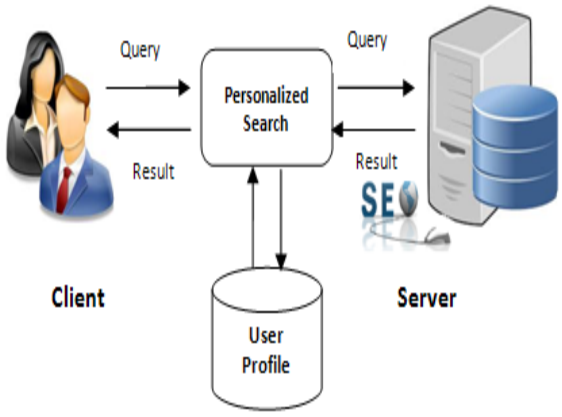

Fig1: personalized search engine

II.RELATED WORK

Personalized web searches mainly focus on improving the search utility. Each profile user can reveal individual goal information. After collection of individual goals information next we can perform review operation. Next searching users directly get the required information as personalized information.

Previous personalized structures are design with term list or bag of words information. These are not in hierarchical structures. Now we can design the hierarchical structures profiles information in our implementation. We can calculate the weight of each and every hierarchical structure. Weight we can calculated using term frequency analysis of user data. Any we can construct the taxonomy structure of knowledge content.

Previous approaches are not retrieving the efficient content. So we have to start the construction of normalized discounted cumulative gain concept. It retrieves the effective and efficient information. Each and every user selects the query based on relevance level. Collect all clicking and selecting decision queries information. Generate average precision score, ranking score control unnecessary

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number of useless queries information. Display final query privacy queries list.

Now we can increase the privacy levels. Those privacy levels are

1. Pseudo identity
2. Group identity
3. No identity
4. No personal information

In this privacy query generation, we are using the group identity concept. Select group of users queries to generate new query. Now here, we consider the query utility under new query generation.

Collect all user profiles of queries information. In collection of all user profiles apply statistical techniques like probabilistic model. Using probabilistic model recognizes the frequent occurrences queries information. Those frequent queries we can consider a near optimal queries. Using near optimal queries is not possible to get desired results of information.

By Overcoming the previous approaches issues, we can design one more new framework that is called personalized privacy protection. Personalized privacy protection query provides the privacy preserving data publishing content efficiently. It contains all guarding nodes information. The taxonomy query will be generated by using the guarding nodes.

Privacy is the questionable for query preparation. Collect the set of queries and classify the set of queries information. Learn the features from classified set of queries and generate efficient privacy query. All ambiguous queries are control in our implementation of new framework. Using privacy query, it can possible to improve the quality metric results information. privacy risk issues are also available in quality metric results .

III.PROBLEM STATEMENT

Most of the existing works concentrate on server side personalized search services which are not providing the needed results. These results did not have much quality. Some other No- indexed methods are also not supporting to provide need results. Now here, we can design diagnostic procedure for fast, efficient, accurate keyword query results. Here we can develop one new layer for construction of indexes. Consider the index and apply weight constraint. It

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generates the efficient queries based on weight. Consider the weight and generate ranked queries. This indexes concept provides good high performance advantages. This solution can be applied on one database. It provides portable results.

IV.PROPOSED METHODOLOGY

In previous generalized query, we are adding additional feature that is called index structure for enhance efficient and quality query. This method we can use in all databases for generating complete or fitness query. Here we designed two approaches. These approaches are inverted index table, prefix table and work in process query (WIP).

User submits or issues the query. Collect all transaction queries and analyze generate index queries. Calculate indexed features and generate weight. This is continuous process and generate new weighted features query.

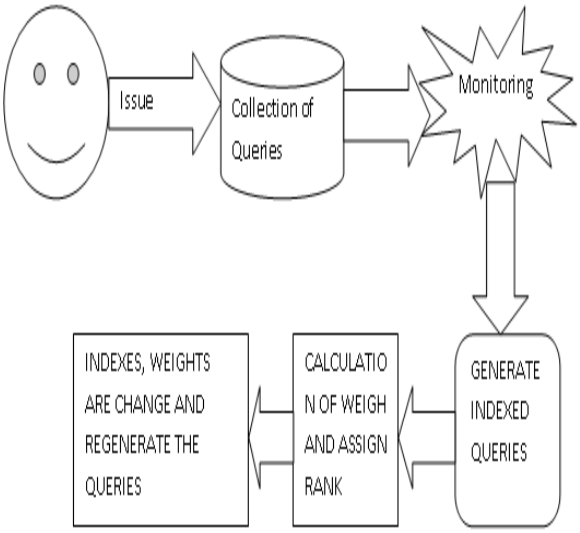

Fig2: PROPOSED ARCHITECTURE

In this method we are using inverted index table structure. We assigned one keyword for each and every keyword in table structure. In final table we can maintain two ids of information. Those ids keyword id and record that keyword contains. Next analyze all keywords store into prefix table with most useful keywords. These useful keywords are involved to generate prefix search query. This is scanned query from inverted index table. In scanned query or prefix search query most of the words are relevant. Relevant keywords query provides relevant answers of content information in our implementation.

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Next it creates new weight table to store search prefix queries. Weight table contains record id of keyword and weight information. Consider weight display high ranked and low ranked keywords information. Rank is changed dynamically according weighting table information.

V.EXPERIMENTAL RESULTS AND RESULT ANALYSIS

We have implemented existing, proposed methods on different datasets. Dataset contains huge amount of records information. We implemented this technique with java and oracle. Here we design search query process and weight constraint. By using all constraints, it generates ranked queries information.

We display result analysis of existing and proposed system techniques in graph. Comparative analysis is present in the graph. Inverted index table provides good relevant answers compare to all other previous approaches. Here we can generate with time and accuracy parameters.

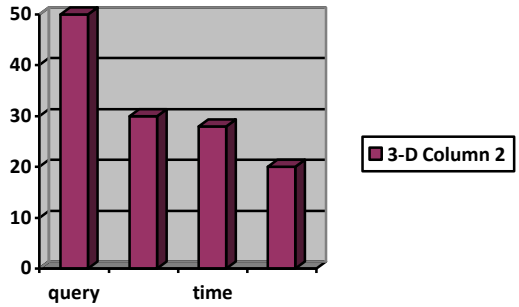

Fig3: Query Execution Time

VI.CONCLUSION AND FUTURE WORK

Different techniques have been used to generate search query and search in multiple web databases. Each and every technique has it's own advantages and disadvantages also. Previous approaches are supported to generate ranked queries. Ranked queries are not providing sufficient and most relevant answers. In ranked queries, we add weighted table and generate the prefix search query. It gives most relevant answers of information. We perform the above operations on single database only.

In future we can generate new query with multiple databases. We can provide the good search queries with reduced time.

VII.REFERENCES

ISSN: 2320-1363

[1] Kaushik G.Vaghani, Pratik A.Patel, Supporting Ranking Queries for earch-As-You-Type in Databases using WIP.

[2] Z. Dou, R. Song, and J.-R. Wen, "A Large-Scale Evaluation and Analysis of Personalized Search Strategies," Proc. Int'l Conf. World
Wide Web (WWW), pp. 581-590, 2007.

[3] J. Teevan, S.T. Dumais, and E. Horvitz, "Personalizing Search via Automated Analysis of Interests and Activities," Proc. 28th Ann.
Int'l ACM SIGIR Conf. Research and Development in Information Retrieval (SIGIR), pp. 449-456, 2005.

[4] M. Spertta and S. Gach, "Personalizing Search Based on User Search Histories," Proc. IEEE/WIC/ACM Int'l Conf. Web Intelligence (WI), 2005.

[5] B. Tan, X. Shen, and C. Zhai, "Mining Long-Term Search History to Improve Search Accuracy," Proc. ACM SIGKDD Int'l Conf.
Knowledge Discovery and Data Mining (KDD), 2006.

[6] K. Sugiyama, K. Hatano, and M. Yoshikawa, "Adaptive Web Search Based on User Profile Constructed without any Effort
from Users," Proc. 13th Int'l Conf. World Wide Web (WWW), 2004.

[7] X. Shen, B. Tan, and C. Zhai, "Implicit User Modeling for Personalized Search," Proc. 14th ACM Int'l Conf. Information and
Knowledge Management (CIKM), 2005.

[8] X. Shen, B. Tan, and C. Zhai, "Context-Sensitive Information Retrieval Using Implicit Feedback," Proc. 28th Ann. Int'l ACM
SIGIR Conf. Research and Development Information Retrieval (SIGIR), 2005.

[9] F. Qiu and J. Cho, "Automatic Identification of User Interest for Personalized Search," Proc. 15th Int'l Conf. World Wide Web
(WWW), pp. 727-736, 2006.

[10] J. Pitkow, H. Schu¨ tze, T. Cass, R. Cooley, D. Turnbull, A. Edmonds, E. Adar, and T. Breuel, "Personalized Search," Comm. ACM, vol. 45, no. 9, pp. 50-55, 2002.