ABSTRACT: In recent years, we have observed the achievement of social media websites. This image search method by using tags and re-ranking is a technique, which is used for easy access for images. Online networking sites like Flickr will allow the users to comment on images along with the label. This will improve the web image discovery and affiliation. In this paper we introduce a social re-positioning framework for tag-based images with image importance and high quality. We give the position of images by taking their visual data, semantic data, and social signs into consideration. This will result in an appropriate manner for the social clients. Every user will share some images, here we sort these images between the users by repositioning them. Users who have higher commitment will be ranked high. In this point we successfully tell about intra-client re-positioning on the user’s set of images. The most pertinent images will be chosen from every user and these images will be put as an image dataset to quicken the procedure. Test on this dataset demonstrate that our social re-positioning technique is successful and effective.

KEYWORDS: social media, image search, intra-client repositioning, Tag based image re-ranking.

I. INTRODUCTION

With the development of social media the amounts of images and videos spring up everywhere day to day. This lead, to great challenges to multimedia storage, indexing and retrieval. Tag-based image search[5] is more commonly used in social media than content based image retrieval, sketch based image retrieval. These years, the re-ranking problem in the tag-based image retrieval[5] has gained researchers’ wide attention. Nonetheless, the following challenges block the path for the development of re-ranking technologies in the tag-based image retrieval.

1)Tag mismatch: Tagging requires all the users in the social network to label their uploaded images with their own keywords and share with others. Different from ontology based image annotation; there is no predefined ontology or taxonomy in social image tagging. Every user has his own label to tag images. Even for the same image, tags contributed by different users will be of great difference. Thus, the same image can be interpreted in several ways according to the background in the image. Thus, many unsuitable tags are introduced for each image in the social websites.

2)Query ambiguity: Users cannot properly describe their request with single word and tag. The user will be always recommended by the words that are highly related to the existing tag set. Polysemy and synonyms are the other causes of the query ambiguity[9] and tag ambiguity[8]. The search results are noisy and ambiguous consist of images with quite different semantic meanings. Fig1 shows the top ranked images that are ranked from Bing image search using “Apple” as query. They belong to different categories, such as “apple fruit”, “apple gadgets”, “apple logo”, and “apple products”, due to the ambiguity of the word “apple”. The ambiguity issue occurs for so many reasons. First, the query keywords that the user searching for, meanings may be richer than users’ expectations. Consider this, the meanings...
of the word “apple” includes apple fruit and apple gadgets. Second, the user may not have enough knowledge about the
textual description of target images he/she searching for.

Figure 1: Top ranked images returned from Bing image search using “Apple” as query

II. RELATED WORKS

1. Optimized Hyper graph Based Social Image Search Using Visual-Textual Joint Relevance Learning
   **Author:** Arya S
   **Year:** 2010
   **Description:** This method [5] is an important approach to access the images in social websites like Flickr [1]. Recent
   years have observed a great success of social media websites. However the existing methods for tag-based image
   search [5] return irrelevant results. This method presents diverse relevance ranking scheme which takes relevance and
   diversity into account by exploring the content of images and their associated tags. First, it estimates the relevance
   score of images with respect to query term based on visual and semantic information of images. Semantic similarities
   of social images are estimated based on their tags. Based on the relevance scores and the similarities the ranking list is
   generated by a greedy ordering algorithm optimizes Average Diverse Precision (ADP)[4], a novel measure that is
   extended from the conventional Average Precision (AP). Comprehensive experiments demonstrate the effectiveness of
   the approach.

2. Learning Tag Relevance by Neighbour Voting for Social Image Retrieval
   **Author:** Xirong Li, Cees G.M. Snoek, and Marcel Worring
   **Year:** 2013
   **Description:** Social image retrieval is important for exploiting the increasing amounts of amateur-tagged multimedia
   such as Flickr [1] images. Since amateur tagging is known to be uncontrolled, ambiguous, and a fundamental problem
   is how to reliably interpret the relevance of a tag intuitively, if different persons label similar images using the same
   tags, these tags are likely to react objective aspects of the visual content. Starting from this intuition, we propose a
   novel algorithm that scalable and reliably learn tag relevance by accumulating votes from visually similar neighbours
   [2]. Further, treated as tag frequency, learned tag relevance is embedded into current tag-based social image

III. EXISTING SYSTEM

EXISTING SYSTEM CONCEPT:
Social image retrieval [3] is important for exploring increasing amounts of amateur-tagged multimedia such as flickr
[1] images. Previously tags were used for the image retrieval, due to this there is a possibility of using same tags for the
similar images so we get many images based on these tags. Amateur tagging is known to be uncontrolled and ambiguous.
Agarwal and Chaudary proposed a relevance tag ranking algorithm which rank tags according to their
relevance with the image content. Lee and neve proposed to learn the relevance of tags by visually weighted neighbour
voting, a variant of the popular baseline neighbour voting algorithm.

EXISTING TECHNIQUE:
Iterative algorithm – This algorithm uses mathematical procedure that generates a sequence of improving approximate
solutions for a class of problems.

DRAWBACKS
- We cannot get relevant image.
IV. PROPOSED SYSTEM

PROPOSED SYSTEM CONCEPT:
We propose a social re-ranking technique; this method employs semantic similarity to improve the quality of search results. In social re-ranking method unique tags were given to the images. Re-ranking is given based on visual features and semantic data of images and also based on views. In this paper we propose inter-user and intra-user re-ranking methods. These methods gives the most relevant images which the user requests. A large portion of writings in regards to the re-positioning of the tag-construct picture recovery centre in light of label handling, picture importance positioning.

PROPOSED TECHNIQUES:

Inter -user re-ranking method:-
This method gives images based on visual features and semantics from the user groups

Intra -user re-ranking method:-
This method gives exact relevant images based on views. Relevance score of each image is known by taking views into consideration.

ADVANTAGES:-
• We can get most relevant image.
• We can get image with high level visual features.

Figure 2: Each image is given with the respective tags

Keyword matching for the query, from the inverted file index {}, we can obtain the corresponding images that all tagged with query q, which is denoted bye X. It can be further described by taking the social user’s information into account as follows. X={x(u1)….x(uz),…Xz}
V. METHODOLOGY MODULES

Modules are the process of analysing the principles or procedure for search images based on tag. Here, we have modules that are divided for easy processing.

MODULE DESCRIPTION

Admin Authentication:
The user need to enter exact username and password which is given to the Admin, if login success means it will take up to main page else it will remain in the login page itself.
Input: Provide username and password to get permission for access.
Output: Became authenticated person to request and process the request.

Upload images:
Admin will upload image with all details like image name, tag name, date of upload those details will store under database.
Input: Admin will choose image and then upload image.
Output: Data saved in database

View all user details:
Admin is going to view all user details which are stored in database and admin will verify every time the person is authenticated or not.
Input: Admin will verify all user details.
Output: Admin check all details of user and he will verify user is authenticated or not.

View all recommended images:
Admin is having authority to view all recommended images like who recommended to whom and what person given feedback about that particular image.
Input: Admin will see all recommended images.
Output: Admin will verify recommended images and their feedback given by their friends and all.

User Authentication:
The user need to enter exact username and password which is given to the Admin, if login success means it will take up to main page else it will remain in the login page itself.
Input: Provide username and password to get permission for access.
Output: Became authenticated person to request and process the request.

User Profile:
The user Add or update the profile information in the database this Profile information is used by the admin to extract detail about the location of user and give reference to the nearby doctors and diseases related to that Geographical location.
Input: User adds or updates their Profile information.
Output: Profile Updated Successfully.

Search Friends:
The user is searching for the friends by entering details like name, email, mobile number if the details are available in database it will show all available list of users.
Input: Enter name or email or contact number to search.
Output: by entering the details like name or email or contact number user can search for friends.

Send Request:
The users need to enter exact username and password which is given to the database, if login success means user can send request to their friends.
Input: user send request to their friends.
Output: after searching friends user can send request to their friends

View Request:
After user login he can view request and who has been forwarded request and their details.

Input: user can see friend requests.
Output: After getting friend request user can view those requests and Accept request.

Search images:
User can search for the images by entering query it will most relevant images and whole information about the image.

Input: User can search for the images
Output: by entering query user can search for the image then user can get most relevant images

Recommend image:
After user searching for the image if users want recommend image and like and also dislike. If user like image the rank of the image will increase if user dislike he has to provide description of that image.

Input: User can recommend image to their friends.
Output: After user searching user can recommend image to their friends and user can like and dislike.

VI. SYSTEM ARCHITECTURE

System architecture is a conceptual model that defines the structure, behaviour and more views of a system. An architecture description is a formal description and representation of a system, organized in a way that supports reasoning about the structures and behaviours of the system. This comprises of system components that will work together to implement the overall system. An allocated arrangement of physical elements which provides the design solution for a consumer product or life-cycle process intended to satisfy the requirements of the functional architecture and the requirements baseline. Architecture comprises the most important, pervasive, top-level, strategic inventions, decisions, and their associated rationales about the overall structure (i.e., essential elements and their relationships) and associated characteristics and behaviour.
Here the input “animal” is given then according to the word matching images are displayed. And if further selection is to be done to satisfy the user, the admin uses inter-user or intra-user ranking methodology. These images are displayed depending upon the features like visual features, semantic features and views.

VII. RESULTS

Upload images

![Figure 3: Admin is going to upload images based on their category and it will store under the database.](image)

VIII. CONCLUSION

Social re-ranking method with tags is an easy method to search images. In social re-ranking we use inter-user re-ranking and intra user re-ranking so that we can get required results while searching for images. This even helps us in reducing in tag duplication. Using this method the process of searching images is effective and time saving compared to older system. However, in the inter user ranking process only user’s contribution is considered and the similarity among users is ignored.

ACKNOWLEDGEMENT

We felt great pleasure in submitting this paper on “IMAGE SEARCH IN SOCIAL WEBSITES BY USING TAGS AND RERANKING METHOD”, first and foremost we express our deep sense of gratitude, sincere thanks to Associate professor B.Lalu for the best support, views, comments and thoughts have really helped us.

REFERENCES