

## SEARCH ENGINE BASED ON IMAGE

### AND NAME FOR CAMPUS

Harshita Bavise<sup>1</sup>, Kavita Kaithwas<sup>2</sup>, Neha Nagpure<sup>3</sup>

Assistant Prof. Mitali Ingle<sup>4</sup>

<sup>123</sup>UG Student, B.E., Computer Science and Engineering, DBACER, Nagpur, maharashtra, India

<sup>4</sup>Assistant professor, B.E., Computer Science and Engineering, DBACER, Nagpur, maharashtra, India.

\*\*\*

**Abstract** - Criminal record generally contains personal information about particular person along with photograph. To identify any criminal we need some identification regarding person, which are given by eyewitnesses. In most cases the quality and resolution of the recorded image-segments is poor and hard to identify a face. To overcome this sort of problem we are developing software. A web search engine is a software system that is designed to search for information on the World Wide academia, and hospitals, large collections of digital images are being created. Image retrieval methods based on colour, texture, shape and semantic image are discussed, analyzed and compared. Web In the Existing search engines the accuracy of retrieving the document using the image is low. It is inefficient in the retrieval of documents. The aim of the image search is to retrieve the relevant image with respect to user query from a large image database.

**Key Words:** Retrieve information from database, face detection.

### 1. INTRODUCTION

A web search engine is a software system that is designed to search for information on the World Wide Web. In the Existing search engines the accuracy of retrieving the document using the image is low. It is inefficient in the retrieval of documents. The aim of the image search is to retrieve the relevant image with respect to user query from a large image database.

Image retrieval methods based on colour, texture, shape and semantic image are discussed, analysed and compared. Feature detection is the process where we automatically examine an image to extract features that are unique to the objects in the image, in such a manner that we are able to detect an object based on its features in different images.

In this project, the system will retrieve the relevant image with respect to user query from a large image and information database. Here the user will enter image and text as a input and according to that the system will provide the related output. The system will detect the face from the input image and provide an option to enter the text and it will provide us the accurate output.

### 2. PROPOSED WORK

#### 2.1 MODULES

##### Module1:

**Database collection and create login, registration form:** In our first module we have to collect database in that we have to collect image of person and details of person like name, male ID, marks of students etc.

##### Module2:

**Face detection from image:** Face detection from image is our second module, in that module we have give one image as an input and check that image having face or not.

##### Module 3:

**Query processor for information retrieval:** In that module we have to take image, name and email Id as an input and match with our database. If match is true then data is retrieve from the database.

### 3. LITERATURE REVIEW

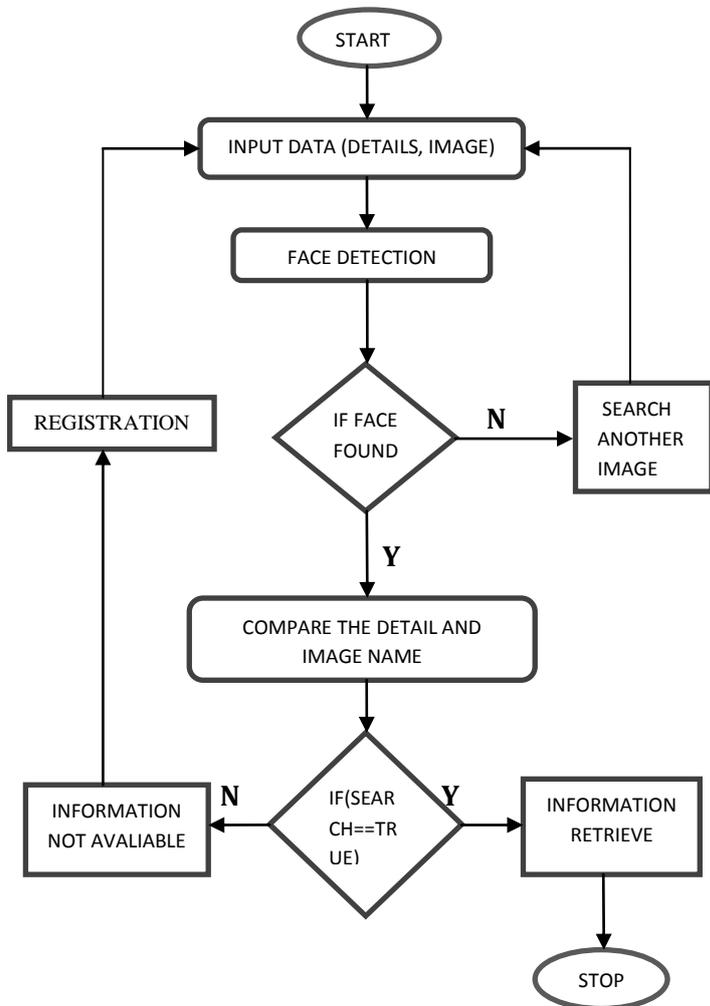
1. Learning Query-Specific Distance Functions for Large-Scale Web Image Search: This work studies the problem of learning distance functions to be used in a hybrid image retrieval systems such as the one used by Google image search in August 23, 2013.

2. Fine-Grained Image Search: The index is verified efficient at retrieving near-duplicate images, but it is less capable of discovering fine-grained concepts in the query and returning semantically matched search results in 2008.

3. SURF: Feature detection & description: Feature detection is the process where we automatically examine an image to extract features that are unique to the objects in the image, in such a manner that we are

able to detect an object based on its features in different images in 2009.

#### 4. FLOW DIAGRAM



#### 5. IMPLEMENTATION

Implementation of our work is as follows:

A. For opening the required search engine the user will have to first registered themselves by clicking to a new registration ,if user is already registered then he can directly login.



(a)



(b)



(c)

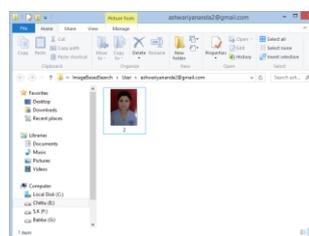
B. Here the preprocessing has been done successfully and hence the user will get all the information retrieved from the data set on the basis of given query.



(a)



(b)



(c)

C. In below snapshot since the face is not detected in the image therefore it will give notification to select valid image.



## 6. CONCLUSIONS

A search engine is a software system implemented to search for information. The search engine is used to retrieve the relevant images and information with respect to user entered query from a large database successfully.

## 7. REFERENCES

- [1] Nikolaos G. Bourbakis, "Image Data Compression-Encryption Using G-Scan Patterns", IEEE 0-7803-4053-1/97, pp. 117-1120, 1997.
- [2] S. S. Maniccam, and N. G. Bourbakis, "SCAN Based Lossless Image Compression and Encryption", IEEE 0-7695-0446-9/99, pp. 490-499, 1999.
- [3] Howard Cheng and Xiaobo Li, "Partial Encryption of Compressed Images and Videos", IEEE Transactions On Signal Processing, Vol. 48, No. 8, pp. 2439-2451, August 2000.
- [4] Ebru Celikel and Mehmet Emin Dalkilic, "Experiments on A Secure Compression Algorithm", Proceedings of the International Conference on Information Technology: Coding and Computing (ITCC'04), 2004.
- [5] Masanori Ito, Noboru Ohnishi, Ayman Alfalou, and Ali Mansour, "New Image Encryption And Compression Method Based On Independent Component Analysis", IEEE, 2007.