**“Search Engine”**

**PRACTICAL TRAINING REPORT**

***Submitted by***

**HEEBAH SALEEM 2013-310-018**

***in partial fulfillment for the award of the degree of***

**B.TECH(CS)**



**Department of Computer Science**

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DECLARATION

I, **Ms. HEEBAH SALEEM** a student of **B.Tech(CS), 2013-310-018** hereby declare that the Practical Training Project entitled **“Search Engine”** which is being submitted by me to the Department of Computer Science, Jamia Hamdard, New Delhi in partial fulfillment of the requirement for the award of the degree of **B.Tech(CS),** is my original work and has not been submitted anywhere else for the award of any Degree, Diploma, Associateship, Fellowship or other similar title or recognition.

**HEEBAH SALEEM**

**(Signature and Name of the Applicant)**

**Date:**

**Place: New Delhi**

**PREFACE**

This record is concerned about our Practical Training Project during 7th Semester i.e. fourth year of B.Tech course. I have taken our Practical Training Project in “SEARCH ENGINE”. During this Project, I got to learn many new things about the technology and its practical implementation. This Project proved to be a milestone in our knowledge of present environment. Every say and every moment was an experience in itself, an experience which theoretical study can’t provide.

**ACKNOWLEDGEMENT**

I, Heebah Saleem, like to thanks for the success and final outcome of this project required a lot of guidance and assistance from many people and I am extremely fortunate to have got this all along the completion of my project work. Whatever I have done is only due to such guidance and assistance and I would not forget to thank them.

Lastly, I would like to thank the almighty and my parents for their moral support and my friends with whom i shared my day-to-day experience and received lots of suggestions for the quality of my work.

**HEEBAH SALEEM**

**1. Objectives:**

My project name is Search Engine. This is very popular and is fairly simple by itself. People can search information by typing on the box and simultaneously results will be displayed . In this , the result will be displayed with name (which user typed), link and picture related to that search. The goal of Search Engine is simple, comes from its meaning, that is, users can, if have doubt in any related topic or word, can search and find there complete solution to their problem.

**2.Overview:**

A**search engine** is a software system that is designed to search for information on the [World Wide Web](https://en.wikipedia.org/wiki/World_Wide_Web). The search results are generally presented in a line of results often referred to as [search engine results pages](https://en.wikipedia.org/wiki/Search_engine_results_page) (SERPs). The information may be a mix of [web pages](https://en.wikipedia.org/wiki/Web_page), images, and other types of files. Some search engines also [mine data](https://en.wikipedia.org/wiki/Data_mining) available in [databases](https://en.wikipedia.org/wiki/Database) or [open directories](https://en.wikipedia.org/wiki/Web_directory). Unlike [web directories](https://en.wikipedia.org/wiki/Web_directories), which are maintained only by human editors, search engines also maintain [real-time](https://en.wikipedia.org/wiki/Real-time_computing) information by running an [algorithm](https://en.wikipedia.org/wiki/Algorithm) on a [web crawler](https://en.wikipedia.org/wiki/Web_crawler).

Search engines are [programs](http://www.webopedia.com/TERM/P/program.html) that search documents for specified [keywords](http://www.webopedia.com/TERM/K/keyword.html) and returns a list of the documents where the keywords were found. A search engine is really a general class of programs, however, the term is often used to specifically describe systems like Google, Bing and Yahoo! , EasySearcher, search. Search that enable users to search for documents on the [World Wide Web.](http://www.webopedia.com/TERM/W/World_Wide_Web.html)

**3.Working:**

1. The main programming languages used in creating a search engine is php and mysql from scratch.
2. The front used in this project are HTML, HTML5, CSS3, and bascics of JavaScript. These languages gives the attractive layout and design of this project.
3. The database fetches data from the mysql database and displays the result. Previously, the data is first inserted into the a table by a form which is done by the administrator.
4. This project first inserts site details into database by filling a form and displaying back to the users, when users searches for the particular topic.
5. This project is about creating search result driven dynamic pages which means that user can type on the box and press enter and user will then find new page where he/she can go back by click ‘go back’ button, this is said to be driven dynamic pages.
6. When the administrator fills the form , in the ‘choose image’ button, when image is inserted , the image will be Uploaded on a separste folder and will displays the images in the search result pages

**4.Components:**

The components used in Search Engine are as follows:

1. **Insert\_site.php :** This is an insert page which contains the design of a form where information is inserted. It is designed using form tag, color tag, text box area tag, insert image tag. This page also consists php scripting where the page gets connected to database, that is, once form has been filled the information will be saved in the database.
2. **search.html :** This is a display page. The main page of search engine. This page consists of input tags of text and button, styling the page is also done in this page. This page is conected to php(described in next section)
3. **result.php :** This is a result page where the result will be displayed to what the user types in the box (in search.html page). In this page, it consists of input tags of text and button and also contains php scripting which is connected to database, where the info will be fetched from database and displayed. Information is stored from insert.php page.
4. **search :** This is a database in MySQL created by the administrator in which the information will be stored and fetched when required.
5. **sites:** This is a table inside the database where the columns are created by the administrator and information is stored from the insert.php page.
6. **search-engine :** This is a root folder where all the above pages are stored in this folder.
7. **Images :** This is another folder inside the search-engine folder. In this folder, all images from insert.php is inserted.

**5.Tools:**

The tools required by this project are as follows:

1. **chrome or firefox :** A web browser is used for the display of the project but Internet Explorer cannot be used because it does not support HTML5.
2. **notepad++ or dreamweaver or notepad:** A text editor, for writing scripts and tags in the editors.
3. **wamp for local host :**  A local or online server.

**6.Limitations:**

1. People with a website to advertise tend to expect too much of search engines, either through underestimating the sheer number of websites that touch on a particular topic, or through overestimating the abilities of the search engines
2. **Search engines can’t fill out forms for you and so any content that is available after the form is completely lost. This is too bad since a lot of us have valuable content that might require a query (or two) to be accessed.**

**7.Future Plans:**

1. We want to design more complex site for the use in future.
2. We will add more data to our database so that user will find it easy to access information from our search engine.
3. Display layout will be more attractive with links and images.

**8.References:**

1. [www.udemy.com](http://www.udemy.com) by an instructor Abdul Wali
2. HTML, CSS, JavaScript, Perl, Python Web Standards Programmer’s References by S M Shafer.

**9.Certificate:**

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