**Building Search Engine Using Machine Learning Technique**

**Abstract:**

The web is the huge and most extravagant wellspring of data. To recover the information from World Wide Web, Search Engines are commonly utilized. Search engines provide a simple interface for searching for user query and displaying results in the form of the web address of the relevant web page, but using traditional search engines has become very challenging to obtain suitable information. This paper proposed search engine using Machine Learning technique that will give more relevant web pages at top for user queries.

**Existing system:**

**Keyword-based search engine:**

Keyword based Search engines are unable to give relevant search results as they do not know the exact meaning of the keywords used. This paper compares both keyword and semantic search engines. Semantic Web is advanced version of the current web. It represents information meaningfully for machines and humans.

**Disadvantages:**

* Complex queries or words that have dual meaning.
* Long search queries.
* Users not familiar with important keywords to retrieve best results.

**Proposed system:**

World Wide Web is actually a web of individual systems and servers which are connected with different technology and methods. Every site comprises of the heaps of site pages that are being made and sent on the server. So if a user needs something, then he or she needs to type a keyword. Keyword is a set of words extracted from user search input. Search input given by user may be syntactically incorrect. Here comes the actual need for search engines. Search engines provide you a simple interface to search user query and display the results in the form of the web address of the relevant web page.

**Advantages:**

* It give a user more relevant web address for user query
* it works intelligently,
* it works efficiently
* relevant web page at the top of result, according to user need

**SYSTEM REQUIREMENTS**

**HARDWARE REQUIREMENTS:**

* Processor - intel i3 or i4
* Speed - 1.1 GHz
* RAM - 4 GB (min)
* Hard Disk - 500 GB(min)
* Key Board - Standard Windows Keyboard
* Mouse - Two or Three Button Mouse
* Monitor - SVGA

**SOFTWARE REQUIREMENTS:**

* Operating System - Windows 10 or above
* Programming Language - Python