**Image Recognition Using Artificial Intelligence**

The leading intention of the project is to provide a new approach for image recognition using Python and its library in which we extensively use python libraries like numpy ,Bing image downloader, matplotlib , sklearn and several others as well for the use of machine learning and its properties like support vector machine (SVM). An image recognition technique utilizing a info of image characteristics is introduced. this{method} is totally different from chemist image method which needs an outsized quantity of knowledge of coaching setpictures in terms of the dimensions of every image and also the what reasonably pictures are they very. Especially, this system is helpful for recognizing pictures that have fastened form and structure like paintings and documents. Then we have atendency to create use neural network that processes the individual pixels of a picture.

**EXISTING SYSTEM:**

Image recognition is a portable computer need approach that enables computers, laptops, and other comparable electrical or electronic equipment or systems to interpret and reason what we all "see" in footage or photographs as in. The topic of extracting ideal features that can accurately capture the fundamental content of images remains a difficult one in computer vision. However, in recent decades, virtually little research has focused on this issue.

**DISADVANTAGES OF EXISTING SYSTEM:**

* Image recognition as a part of doing something extraordinarily by getting known to a particular kind of image.
* picture recognition prototype also can result a confidence snick related to but certain the prototype is that a picture be in to aunit

**Algorithm**:KNN.

**PROPOSED SYSTEM:**

In this phase we will be going under various processes like detecting image, recognizing image. applying the right algorithm to train the data sets and finally uploading the datasets thereby recognizing images. we have some datasets of images of a particular image or object to which we are going to recognize its name so,first of all we make us of Bing image downloader through this we can download any number of datasets images as we want and then after that by making use of numpy, matplotlib and sklearn we analyze the datasets of images and done numerical computations and after generating error matrix we can simply tell the name of image as predicted output with more accuracy.

**]ADVANTAGES OF PROPOSED SYSTEM:**

* This system extracts the feature from the satellite image using the satellite image as an input value and performs the classification .
* It conjointly to produce extremely fast systems to come up with image processing continuing with picture.

**Algorithm**: support vector machine, deep learning algorithm and neural networks, AI algorithms.

**SYSTEM REQUIREMENTS:**

**HARDWARE REQUIREMENTS:**

* System : Intel Core i5.
* Hard Disk : 500GB.
* Monitor : 15’’ LED
* Input Devices : Keyboard, Mouse
* Ram : 32GB.

**SOFTWARE REQUIREMENTS:**

* Operating system : Windows 10.
* Coding Language : Python
* Tool : PyCharm, Visual Studio Code
* Database : SQLite

**REFERENCE:**

Wei Cao School of Economics & Management Nanchang University Nanchang, Jiangxi, 330000, IEEE)" **Image Recognition Using Artificial Intelligence**" 2021 21st ACIS International Winter Conference on Software Engineering, Artificial Intelligence, Networking and Parallel/Distributed Computing (SNPD-Winter) (ACCTCS) AccessionNumber: 20633236

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