

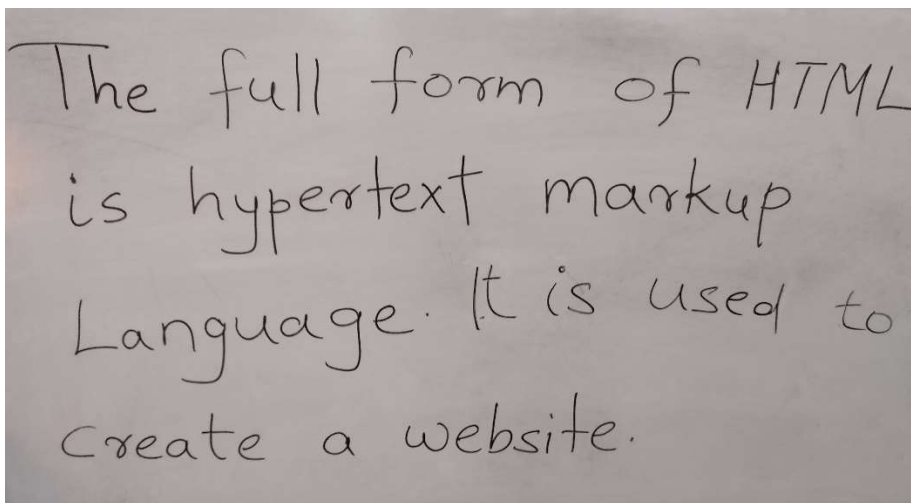
USER MANUAL

1. Initial Setup

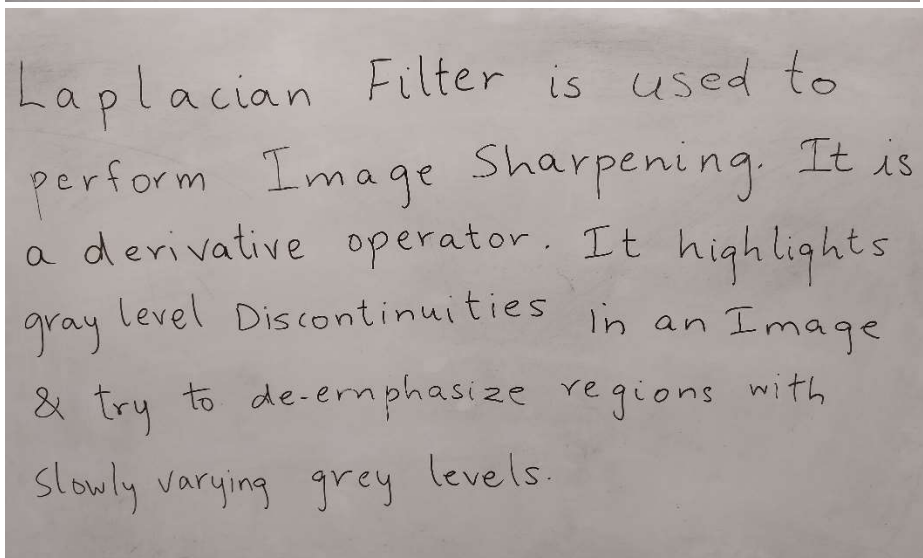
Align the camera facing the board in such a way that the entire board is visible in the frame.

Ensure a proper lighted environment and internet access.

A sample input should look similar to the images shown below:



The full form of HTML is hypertext markup Language. It is used to create a website.



Laplacian Filter is used to perform Image Sharpening. It is a derivative operator. It highlights gray level Discontinuities in an Image & try to de-emphasize regions with slowly varying grey levels.

```
Algorithm BinarySearch(arr[])
1: Input element  $x$  // Sorted
2: Find  $mid = (n+1)/2$ 
3: If  $x < arr[mid]$ 
    return BinarySearch(arr[0...mid-1])
    Else
    return BinarySearch(arr[mid...length])
4: Return -1 if element not found
```

Operating System is a software that manages software and hardware resources. Some basic types are single and multitasking, embedded, distributed, real time, etc.

RaspberryPi uploads the images to the server via FTP. Hence FTP server ID and password should be known.

The system can be trained by running GenData.py for new samples.

2. Running the application

Place all java and python files in one folder eg:

D:/Project...

Execute “automate.bat”.

3. Viewing The Results

The output text files will be automatically uploaded into the database and can be accessed via the website

→(www/quickNotes/index.php)