LIVE VIDEO ANALYSIS TOOL

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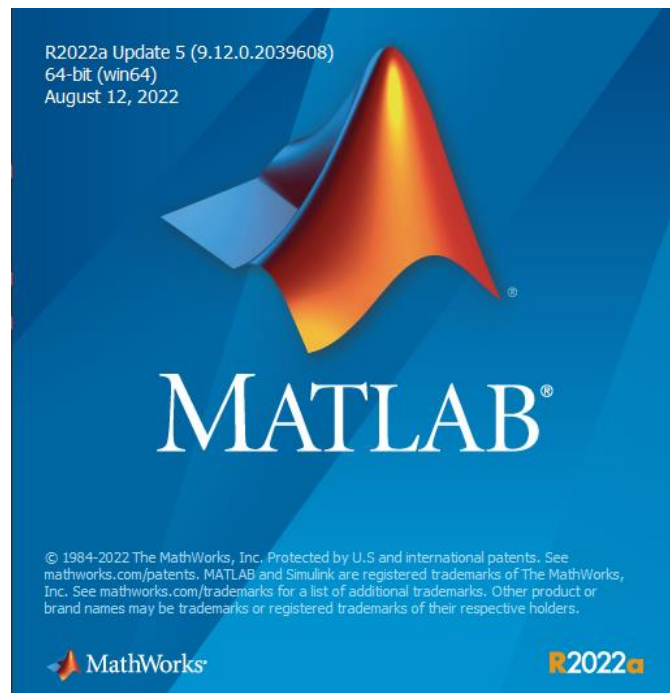**Install MATLAB – Recommended version of MATLAB is show below in the image**

Figure 1: MATLAB Version

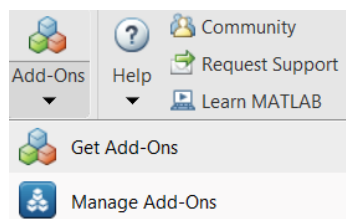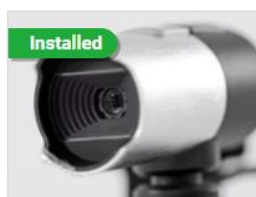**Install – MATLAB Support Package for USB Webcams from the Add-Ons in Home Section**

Figure 2: Click Add-Ons

Figure 3: USB Webcam Add-On

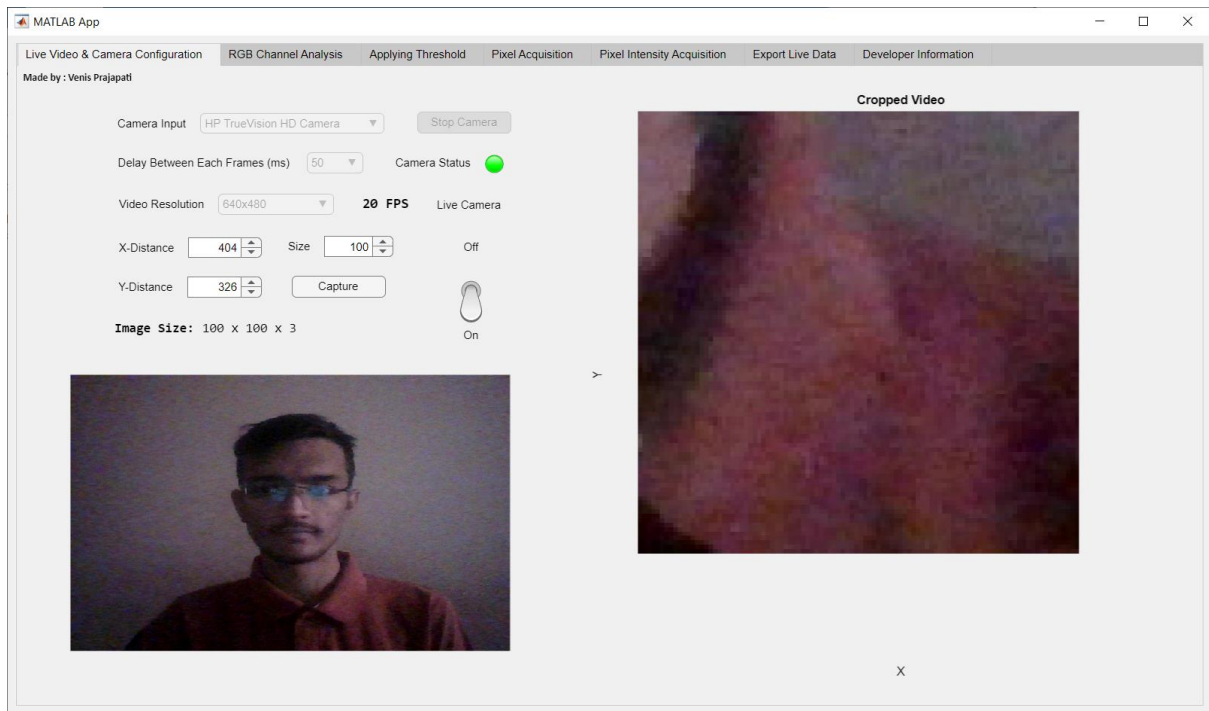## Set Camera Resolution, FPS, and Crop Video

Figure 4: Live Video & Camera Configuration Tab
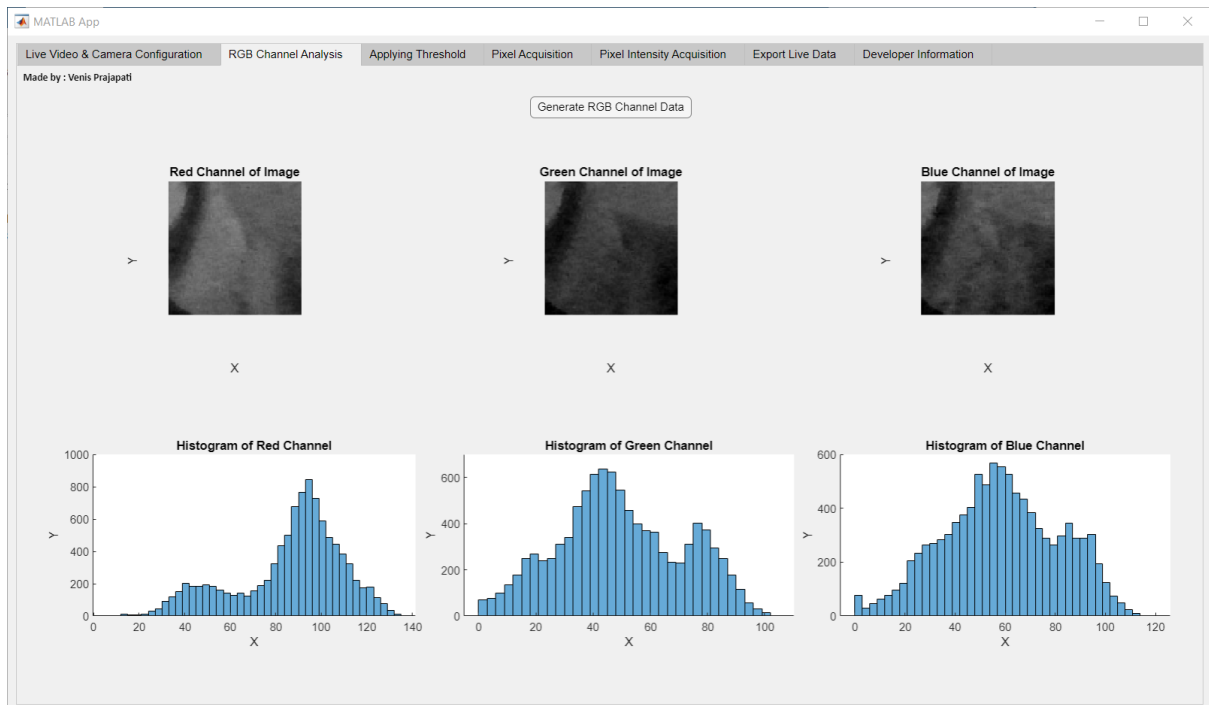
Perform RGB Channel Analysis with Histograms

Figure 5: RGB Channel Analysis Tab
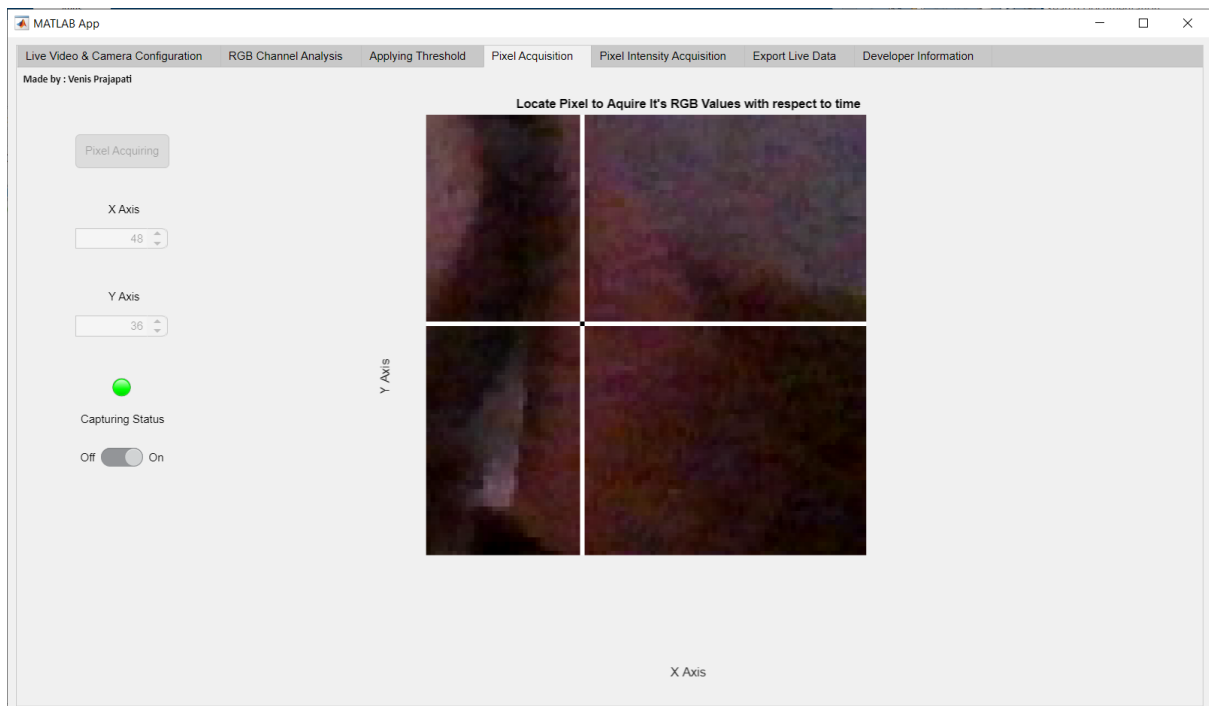
Set Camera Resolution, FPS, and Crop Video
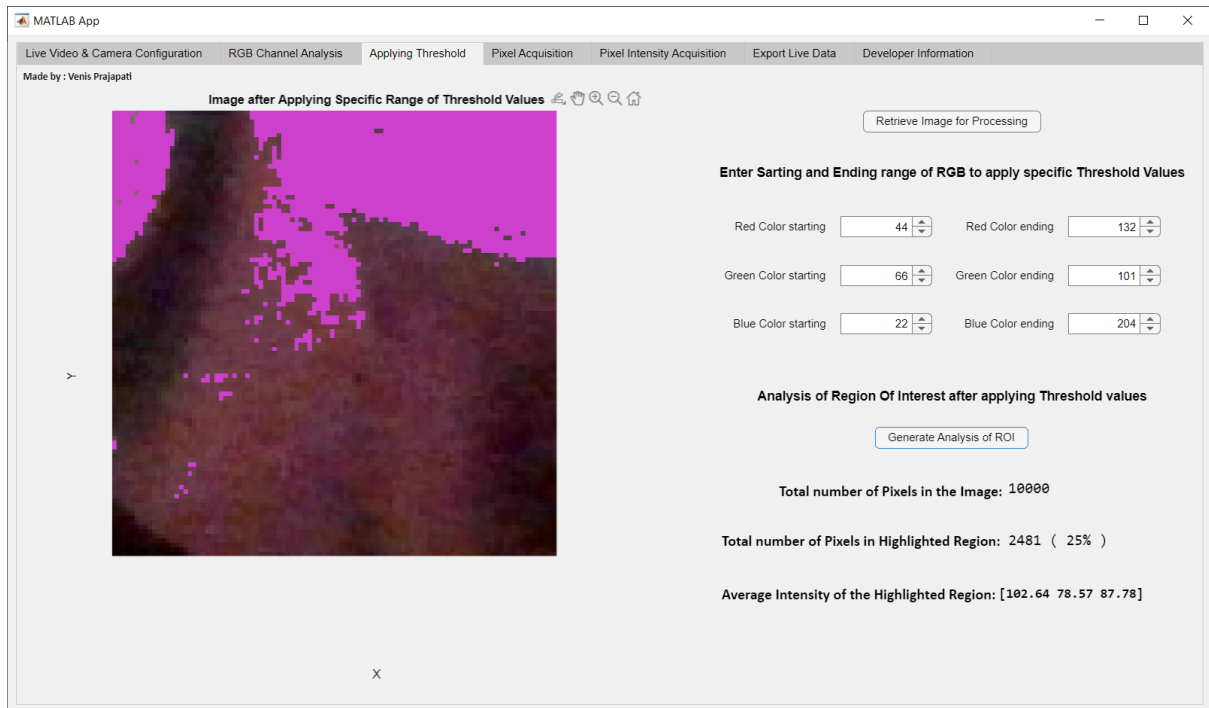
Capturing Red, Green & Blue colour Intensities with respect to time at 2 Frames per Seconds
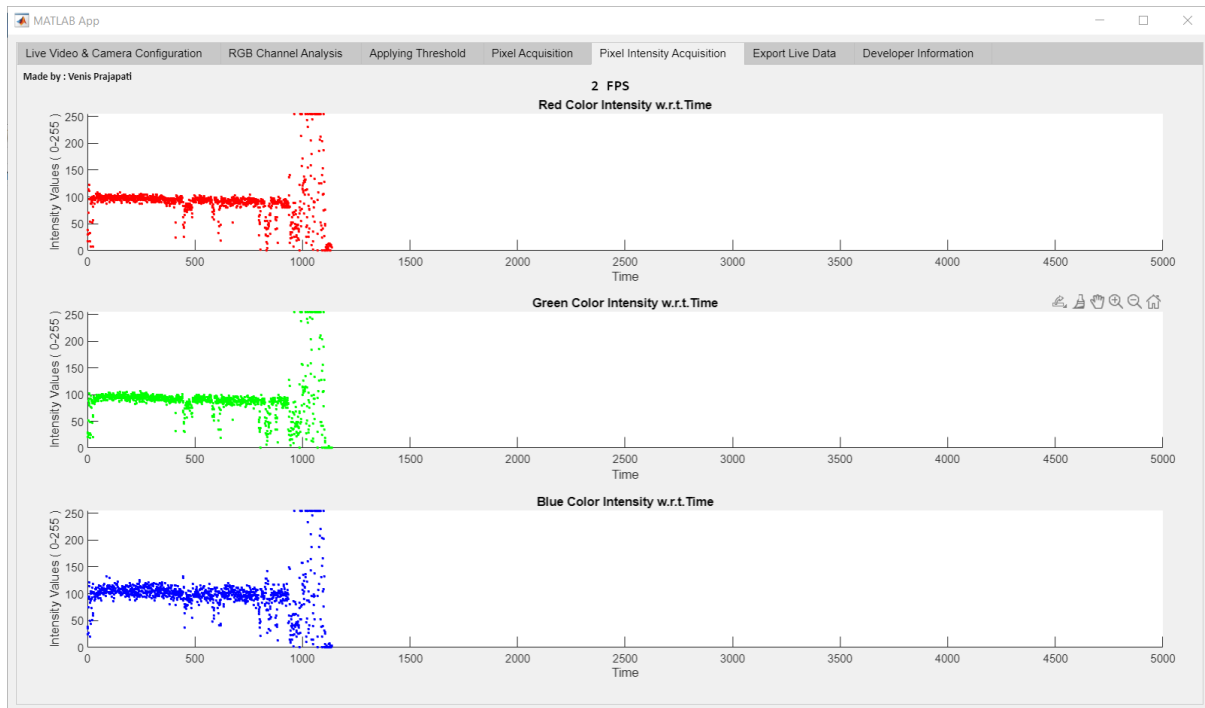

Figure 8: Pixel Intensity Acquisition Tab

Exporting Live Data of All time captured through webcam in Tabular form, that can be saved to .xlsx format later by selecting and pasting it to excel files

Figure 9: Export Live Data Tab

Developer Information with contact links along with project link

Figure 10: Developer Information Tab