



CHITKARA
UNIVERSITY

PROJECT SYNOPSIS REPORT

ON

Software for Color Recognition

SUBMITTED TO

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

FOR

INTEGRATED PROJECT (CS203)

Approximate duration (in hours) to complete the project :

20hrs

Proposed Project In charge: : Mr. Vivek Bhardwaj

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Semester: 6th

Section: O

Session: 2018-2022

What is Color Detection?

Color detection is the process of detecting the name of any color. Simple isn't it?

Well, for humans this is an extremely easy task but for computers, it is not straightforward. Human eyes and brains work together to translate light into color. Light receptors that are present in our eyes transmit the signal to the brain. Our brain then recognizes the color.



Description :

A simple software with GUI which will help you recognize accurate color in any picture with RGB values. Color detection is necessary to recognize objects, it is also used as a tool in various image editing and drawing apps. Thousands of colors values are used in this project to determine correct Color in a Image. I used OpenCV (Computer Vision) and pandas (python libraries) in Python for backend and Tkinter for frontend GUI (Graphical User Interface). Software has simple GUI, so that anyone can use this who doesn't even know coding. User just have to double click on picture where he/she needs to know color and software will tell him color with RGB values.