पेटेंट कार्यालय
शासकीय जर्नल

OFFICIAL JOURNAL
OF
THE PATENT OFFICE

निर्गमन सं. 21/2022	शुक्रवार	दिनांक: 27/05/2022
ISSUE NO. 21/2022	FRIDAY	DATE: 27/05/2022

पेटेंट कार्यालय का एक प्रकाशन
PUBLICATION OF THE PATENT OFFICE

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :18/05/2022

(21) Application No.202211028727 A
(43) Publication Date : 27/05/2022

(54) Title of the invention : DIFFERENT COLOR DETECTION USING AI & PYTHON

(51) International classification	:G06K0009620000, G06F0008300000, G06T0007900000, G06F0017120000, G06N0005000000
(86) International Application No Filing Date	:NA :NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number Filing Date	:NA :NA
(62) Divisional to Application Number Filing Date	:NA :NA

(71)**Name of Applicant :**
1)Mr. Sanjeev Bhardwaj
Address of Applicant :Assistant Professor, Department of Computer Science and Engineering, IFTM University, Moradabad-244102 Moradabad ---------- ----------
2)Mr. Ashish Nagila
3)Prof. Vaibhav Trivedi
4)Prof. Neelu Trivedi
5)Dr. Deepankar Bharadwaj
6)Mr. Ankur Jain
7)Mr. Harpreet Singh Chawla
8)Mr. Munish Kumar
Name of Applicant : NA
Address of Applicant : NA
(72)**Name of Inventor :**
1)Mr. Sanjeev Bhardwaj
Address of Applicant :Assistant Professor, Department of Computer Science and Engineering, IFTM University, Moradabad-244102 Moradabad ---------- ----------
2)Mr. Ashish Nagila
Address of Applicant :Assistant Professor, Department of Computer Science and Engineering, IFTM University, Moradabad-244102 Moradabad ---------- ----------
3)Prof. Vaibhav Trivedi
Address of Applicant :Professor, Department of Mechanical Engineering, IFTM University, Moradabad-244102 Moradabad ---------- ----------
4)Prof. Neelu Trivedi
Address of Applicant :Professor, Department of Electronics and Communication Engineering, IFTM University, Moradabad-244102 Moradabad ---------- ----------
5)Dr. Deepankar Bharadwaj
Address of Applicant :Associate Professor, Department of Computer Science and Engineering, IFTM University, Moradabad-244102 Moradabad ---------- ----------
6)Mr. Ankur Jain
Address of Applicant :Assistant Professor, Department of Computer Science and Engineering, IFTM University, Moradabad-244102 Moradabad ---------- ----------
7)Mr. Harpreet Singh Chawla
Address of Applicant :Assistant Professor, Department of Computer Science and Engineering, IFTM University, Moradabad-244102 Moradabad ---------- ----------
8)Mr. Munish Kumar
Address of Applicant :Assistant Professor, Department of Computer Science and Engineering, IFTM University, Moradabad-244102 Moradabad ---------- ----------

(57) Abstract :
The technique of detecting the name of the color is referred to as color detection. In this situation, identifying the hue and picking one is a simple job for human beings. However, the computer has difficulty accurately identifying the color. This is a difficult assignment for the computer since it should simply recognize the color. This is the reason why we decided to go with this project. This issue is the subject of many research projects and academic articles. But for this creation, we use a variety of diverse methods. Python libraries such as the Naive Bayes method, Pandas, and OpenCV are utilized in the programming language. Classifiers are models that give class labels to problem occurrences, represented as vectors of feature values, where the category labels are derived from some finite set. Naive Bayes may be a straightforward method for building classifiers. There is not a single algorithm for training such classifiers; rather, there is a family of algorithms that support a standard principle. All naive Bayes classifiers assume that the value of a particular feature is independent of the value of the other feature, given the category variable. This is because the naive Bayes classifiers are based on the assumption that the value of the category variable is constant. Free and open-source library for computer vision. OpenCV was developed to maximize computing efficiency while maintaining a strong focus on real-time application development. Encoding of videos on a dedicated server inside the cloud. Panda may be a cloud-based platform that provides the infrastructure for encoding video and audio.

No. of Pages : 19 No. of Claims : 6