

Patents

Nme of the Teacher	Patent Title	Patent No.	Publication Date	Agency/Cou ntry	Status
Dr.A. S. Jagtap	Design Wearable Sensors to provide Healthcare Notifications using IoT Based		17-12-2021	India	Published
	Room Air Pollution Monitoring System using IoT Based	202121057472	14/01/2022	India	Published
	Device for Testing moistureNational 9 Content in Soil		04-01-2023	India	Published
	A System for relationshipbased new K-line clustering	202023103509	25-06-2023	Jerman	Published
	Artificial Intelligence based Cybersecurity Device for Military Networks		14-09-2023		Published
Dr. N. K. Dhane	Room Air Pollution Monitoring System Using IOT based	202121057472	14/01/2022	India	Published
	A System for relationship- b ase Based new K-line clustering	202023103509	25-06-2023	Jerman	Published
	A System and Method for Clustering Data based on Linear Patterns	202421011552 A	15-03-2024	India	Published
	AI enhanced garment for optimal health management	6343601	08-02-2024	UK	Published
Dr. V. V. Patil	Analytics Device for Investigation of Menstrual irregularities Among Adolescent	6355494	05-04-2024	UK	Filed
	Room Air Pollution Monitoring System Using IOT based	202121057472	14/01/2022	India	Published
Dr. P.S. Malusare	Analytics Device for Investigation of Menstrual irregularities Among Adolescent	6355494	05-04-2024	UK	Filed
Dr. P.S. Gaikwad	Analysis Computer for evaluating effect of social media on social harmony.	6343600	15-02-2024	UK	Filed
	Analytics Device for Investigation of Menstrual irregularities Among Adolescent	6355494	05-04-2024	UK	Filed
Dr. N. A. Jagtap	A System for relationshipbased new K-line clustering	202023103509	25-06-2023	Jerman	Published



Office of the Controller General of Patents, Designs & Trade Marks
Department of Industrial Policy & Promotion,
Ministry of Commerce & Industry,
Government of India



Application Details

APPLICATION NUMBER	202121057472
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	10/12/2021
APPLICANT NAME	1 . Prof. Dr. Haribhau R. Bhapkar 2 . Dr. Avinash Shrirangrao Jagtap 3 . Dr. Ashok Eknath Kalange 4 . Dr. Jaya Laxman Limbore 5 . Dr. Neeta Kishor Dhane 6 . Dr. Vaishali Vilas Patil 7 . Dr. K. Thirusangu
TITLE OF INVENTION	ROOM AIR POLLUTION MONITORING SYSTEM USING IOT BASED
FIELD OF INVENTION	COMPUTER SCIENCE
E-MAIL (As Per Record)	dr.bksarkar2003@yahoo.in
ADDITIONAL-EMAIL (As Per Record)	haribhau.bhapkar@mituniversity.edu.in
E-MAIL (UPDATED Online)	
PRIORITY DATE	
REQUEST FOR EXAMINATION DATE	--
PUBLICATION DATE (U/S 11A)	14/01/2022

Activate Windows
Go to Settings to activate Windows.



Intellectual
Property
Office

Certificate of Registration for a UK Design

Design number: 6343601

Grant date: 08 February 2024

Registration date: 01 February 2024

This is to certify that,

in pursuance of and subject to the provision of Registered Designs Act 1949, the design of which a representation or specimen is attached, had been registered as of the date of registration shown above in the name of

Dr.Aniket Siddhaling Kothawale, Dr. Neeta Kishor Dhane, Dr.Yogini Ramkrishna

Mulay, Prof.Dr.Jagdish Dattatraya Deshpande

in respect of the application of such design to:

AI enhanced garment for optimal health management

International Design Classification:

Version: 14-2023

Class: 02 ARTICLES OF CLOTHING AND HABERDASHERY

Subclass: 02 GARMENTS

Adam Williams

Comptroller-General of Patents, Designs and Trade Marks

Intellectual Property Office

The attention of the Proprietor(s) is drawn to the important notes overleaf.



Intellectual Property Office is an operating name of the Patent Office

www.gov.uk/ipo



Federal Republic of Germany



Urku

on the registration of the utility model
no. 20 2023 103 509

Designation:

A system for relationship-based new K-line clustering

IPC:

G06F 18/23213

Owner:

Dhane, Neeta, Dr., Pune, Maharashtra, IN
Jagtap, Avinash, Dr., Pune, Maharashtra, IN
Jagtap, Nilambari, Pune, Maharashtra, IN
Limbore, Jaya, Dr., Pune, Maharashtra, IN
Raskar, Kirti, Dr. ., Pune, Maharashtra, IN
Raskar, Shruti, Pune, Maharashtra, IN

Day of registration:

25.06.2023

Date of registration:

10.07.2023

The President of the German Patent and Trademark Office



Eva Schewior
Munich, July 10, 2023





Intellectual
Property
Office

Certificate of Registration for a UK Design

Design number: 6355494

Grant date: 05 April 2024

Registration date: 27 March 2024

This is to certify that,

in pursuance of and subject to the provision of Registered Designs Act 1949, the design of which a representation or specimen is attached, had been registered as of the date of registration shown above in the name of

Priti Sandeep Malusare, Pooja Sujit Gaikwad, Dr. Neeta Kishor Dhane, Dr.

Vaishali Vilas Patil, Dr. Aniket Siddhaling Kothawale

in respect of the application of such design to:

Data Analytics Device for Investigation of Menstrual Irregularities Among

Adolescent Girls

International Design Classification:

Version: 14-2023

Class: 14 RECORDING, TELECOMMUNICATION OR DATA PROCESSING EQUIPMENT

Subclass: 02 DATA PROCESSING EQUIPMENT AS WELL AS PERIPHERAL APPARATUS AND DEVICES

Version: 14-2023

Class: 10 CLOCKS AND WATCHES AND OTHER MEASURING INSTRUMENTS, CHECKING AND SIGNALLING INSTRUMENTS

Subclass: 04 OTHER MEASURING INSTRUMENTS, APPARATUS AND DEVICES

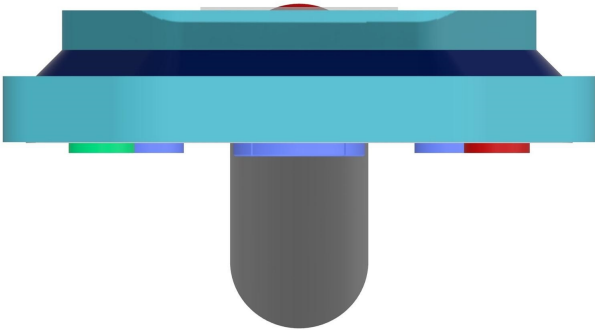
Adam Williams

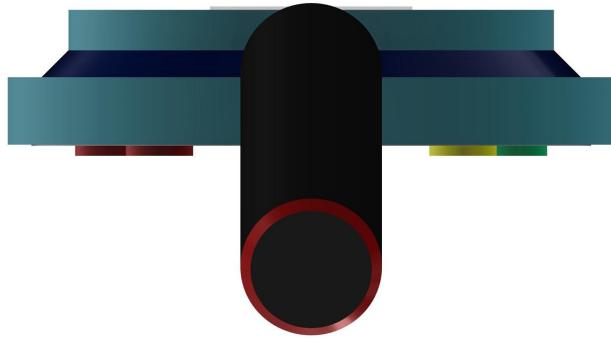
Comptroller-General of Patents, Designs and Trade Marks
Intellectual Property Office

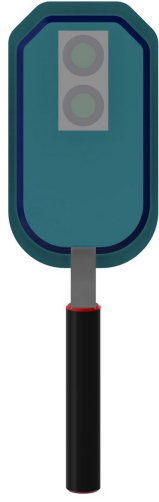
The attention of the Proprietor(s) is drawn to the important notes overleaf.



Representation of Designs









Intellectual Property Office is an operating name of the Patent Office

www.gov.uk/ipo



Intellectual
Property
Office

Certificate of Registration for a UK Design

Design number: 6343600

Grant date: 15 February 2024

Registration date: 01 February 2024

This is to certify that,

in pursuance of and subject to the provision of Registered Designs Act 1949, the design of which a representation or specimen is attached, had been registered as of the date of registration shown above in the name of

Dr. Devidas Vijay Bhosale, Pooja Sujit Gaikwad, Dr. Shashikant Chandrakant

Nakate

in respect of the application of such design to:

Analysis Computer for evaluating effect of social media on social harmony

International Design Classification:

Version: 14-2023

Class: 14 RECORDING, TELECOMMUNICATION OR DATA PROCESSING EQUIPMENT

Subclass: 02 DATA PROCESSING EQUIPMENT AS WELL AS PERIPHERAL APPARATUS AND DEVICES

Adam Williams

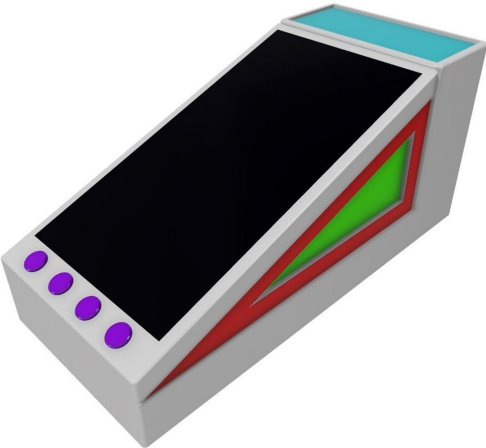
Comptroller-General of Patents, Designs and Trade Marks

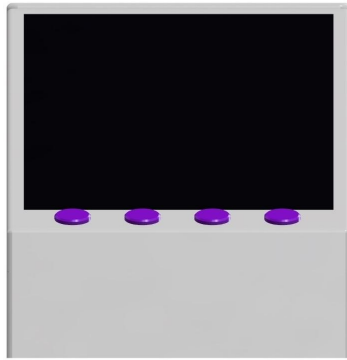
Intellectual Property Office

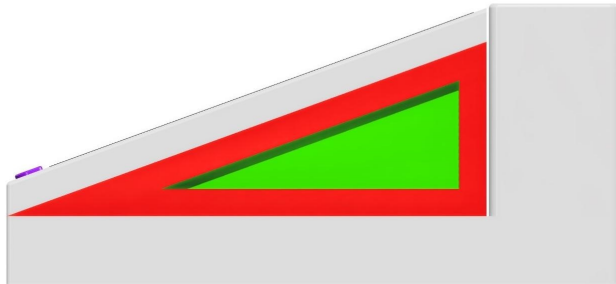
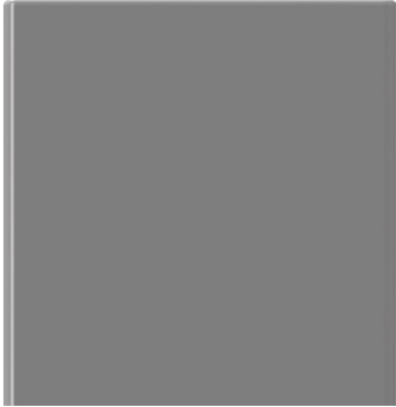
The attention of the Proprietor(s) is drawn to the important notes overleaf.

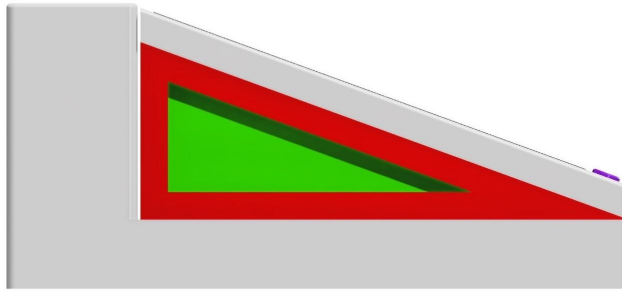


Representation of Designs









Intellectual Property Office is an operating name of the Patent Office

www.gov.uk/ipo



Federal Republic of Germany



Urku

on the registration of the utility model
no. 20 2023 103 509

Designation:

A system for relationship-based new K-line clustering

IPC:

G06F 18/23213

Owner:

Dhane, Neeta, Dr., Pune, Maharashtra, IN
Jagtap, Avinash, Dr., Pune, Maharashtra, IN
Jagtap, Nilambari, Pune, Maharashtra, IN
Limbore, Jaya, Dr., Pune, Maharashtra, IN
Raskar, Kirti, Dr. ., Pune, Maharashtra, IN
Raskar, Shruti, Pune, Maharashtra, IN

Day of registration:

25.06.2023

Date of registration:

10.07.2023

The President of the German Patent and Trademark Office



Eva Schewior
Munich, July 10, 2023



पेटेंट कार्यालय
शासकीय जर्नल

**OFFICIAL JOURNAL
OF
THE PATENT OFFICE**

निर्गमन सं. 11/2024
ISSUE NO. 11/2024

शुक्रवार
FRIDAY

दिनांक: 15/03/2024
DATE: 15/03/2024

पेटेंट कार्यालय का एक प्रकाशन
PUBLICATION OF THE PATENT OFFICE

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202421011552 A

(19) INDIA

(22) Date of filing of Application :19/02/2024

(43) Publication Date : 15/03/2024

(54) Title of the invention : A SYSTEM AND METHOD FOR CLUSTERING DATA BASED ON LINEAR PATTERNS

(51) International classification :G06K0009620000, G06F0016280000, G06Q0030020000, G06F0016350000, C12Q0001370000
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :

1)Dr. Kirti Raskar

Address of Applicant :MIT Arts Commerce and Science College, Alandi (D), Pune, Maharashtra, Bharat, 412105 Pune ----

2)Dr. Avinash Jagtap

3)Dr. Jaya Limbore

4)Dr. Neeta Dhane

Name of Applicant : NA

Address of Applicant : NA

(72)Name of Inventor :

1)Dr. Kirti Raskar

Address of Applicant :MIT Arts Commerce and Science College, Alandi (D), Pune, Maharashtra, Bharat, 412105 Pune -----

2)Dr. Avinash Jagtap

Address of Applicant :Tuljaram Chaturchand College, Baramati, Pune, Maharashtra, Bharat, 413102 Pune -----

3)Dr. Jaya Limbore

Address of Applicant :Abasaheb Garware College, Pune, Maharashtra, Bharat, 411004 Pune -----

4)Dr. Neeta Dhane

Address of Applicant :Tuljaram Chaturchand College, Baramati, Pune, Maharashtra, Bharat, 413102 Pune -----

(57) Abstract :

The method for clustering data based on linear patterns incorporates advanced techniques for enhanced data analysis. By computing pair wise relationships using various similarity metrics and dissimilarity measures, relationships and employ orthogonal regression are normalized to create clusters around straight lines, optimizing the identification of linear patterns. The central processing unit efficiently computes distances and forms clusters, while the controlling unit iteratively refines these clusters. Our method offers users a visual interpretation of data relationships and the flexibility to interact with clusters, supported by feature importance analysis. It also allows data export for further analysis and integration with external knowledge, presenting a robust solution for uncovering linear patterns in complex datasets.

No. of Pages : 26 No. of Claims : 10