



**TULSIRAMJIGAIKWAD-PATIL College of Engineering and Technology**

Wardha Road, Nagpur - 441108

Accredited with NAAC A+ Grade

Approved by AICTE, New Delhi, Govt. of Maharashtra

(An Autonomous Institute Affiliated to RTM Nagpur University)



**Department of Civil Engineering**

List of Patent Published

Sr. No	Name of Faculty	Activity	Topic of Research	Details	Award / Prize
1	Dr. Amey Khedikar	Patent	Process for Detection Of Wipes In Presence Of Motion And Illumination	201621034595	Published
2	Dr Amey Khedikar	Patent	A System for providing the critical study for earthquake strong motion characteristics and development	202221036552	Published
3	Dr Amey Khedikar	Patent	Air quality detecting smart window partition	387592-001	Published
4	Dr. Snehal Abhyankar	Patent	IOT Based Ultrasonic Concrete Mixing Machine	428848-001	Granted
	Dr Amey Khedikar				
	Dr. Sandeep Gaikwad				
	Prof. Sanjay Bhadke				
	Prof. Divyani Harpal				
	Prof. Mohit Singh Katoch				
	Prof. Komal Meshram				
	Prof. Rishabh Mahure				
	Prof. Mrunali Makode				
	Prof. Hiteshkumar Mishra				



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**पेटेंट कार्यालय, भारत सरकार** | **The Patent Office, Government Of India**  
**पेटेंट प्रमाण पत्र** | **Patent Certificate**  
 (पेटेंट नियमानली का नियम 74) | (Rule 74 of The Patents Rules)

क्रम सं/SL No : 022143956

पेटेंट सं. / Patent No. : 535812  
 आनेदन सं. / Application No. : 201621034595  
 फाइल करने की तारीख / Date of Filing : 10/10/2016  
 पेटेटी / Patentee : 1.Dr. Pravin R. Kshirsagar 2.Mr. Pranav Chippalkatti 3.Dr. Bhaludra R. Nadh Singh 4.Dr. Amey R.

प्रमाणित किया जाता है कि पेटेटी को, उपरोक्त आनेदन में यथाप्रकटित **PROCESS FOR DETECTION OF WIPES IN PRESENCE OF MOTION AND ILLUMINATION** नामक आविष्कार के लिए, पेटेंट अधिनियम, 1970 के उपबंधों के अनुसार आन तारीख अक्टूबर 2016 के दसवें दिन से बीस वर्ष की अवधि के लिए पेटेंट अनुदत्त किया गया है।

It is hereby certified that a patent has been granted to the patentee for an invention entitled **PROCESS FOR DETECTION OF WIPES IN PRESENCE OF MOTION AND ILLUMINATION** as disclosed in the above mentioned application for the term of 20 years from the 10<sup>th</sup> day of October 2016 in accordance with the provisions of the Patents Act,1970.




अनुदान की तारीख : 29/04/2024  
 Date of Grant : 29/04/2024

**टिप्पणी - इस पेटेंट के नवीकरण के लिए बीस, छठे वर्षे अगए रखा जाना है. अक्टूबर 2018 के दसवें दिन को और उसके पश्चात प्रत्येक वर्ष में उही दिन रेटा ठीकी।**  
**Note - The fees for renewal of this patent, if it is to be maintained, will fall / has fallen due on 10<sup>th</sup> day of October 2018 and on the same day in every year thereafter.**

\*चूंकि पेटेटी व आविष्कारको की संख्या अधिक है, पेटेटी व आविष्कारको के नाम सूच संख्या 2 पर जारी है।  
 \*Since the Number of Patentees / Inventors is more, the name of Patentees / Inventors are continued on Page No. 2



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## Department of Civil Engineering

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

 INTELLECTUAL PROPERTY INDIA  
PATENTS | DESIGNS | TRADE MARKS  
GEOGRAPHICAL INDICATIONS

### Application Details

APPLICATION NUMBER	202221036522
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	25/06/2022
APPLICANT NAME	1 . Sanjivkumar N. Harinkhede 2 . Arney R. Khedikar 3 . Mrs.Sneha Hirekhan Wankhede 4 . Karan Moolchandani 5 . Nandkishor Kalluram Sinha 6 . Abdul Ghaffar Noor Mohammad 7 . Er. Amit Kumar Yadav 8 . Abhijeet Das 9 . Kumar Shubham 10 . Dr. Anuj Kumar Sharma
TITLE OF INVENTION	A SYSTEM FOR PROVIDING CRITICAL STUDIES ON EARTHQUAKE STRONG GROUND MOTION CHARACTERISTICS AND DEVELOPMENT OF SOME PARAMETERS RELEVANT IN UNDERSTANDING THE EFFECTS OF AN EARTHQUAKE
FIELD OF INVENTION	PHYSICS
E-MAIL (As Per Record)	esdiyeminfotech@gmail.com
ADDITIONAL-EMAIL (As Per Record)	esdiyeminfotech@gmail.com
E-MAIL (UPDATED Online)	
PRIORITY DATE	
REQUEST FOR EXAMINATION DATE	--
PUBLICATION DATE (U/S 11A)	15/07/2022

### Application Status

APPLICATION STATUS	Awaiting Request for Examination
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[View Documents](#)

➔ **Filed** ➔ **Published** ➔ RQ Filed ➔ Under Examination ➔ Disposed

In case of any discrepancy in status, kindly contact [ipo-helpdesk@nic.in](mailto:ipo-helpdesk@nic.in)



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**Department of Civil Engineering**

INTELLECTUAL PROPERTY INDIA

भारत सरकार, भारत सरकार, Intellectual Property Office, Government of India, ORIGINAL

कम सं / Serial No. : 142695

पेटेंट कार्यालय, भारत सरकार | The Patent Office, Government Of India

डिजाइन के पंजीकरण का प्रमाण पत्र | Certificate of Registration of Design

दिनांक सं. / Design No. : 387592-001

तारीख / Date : 04/06/2023

पारस्परिकता तारीख / Reciprocity Date\* :

देश / Country :

प्रमाणित किया जाता है कि संलग्न प्रति में वर्णित डिजाइन नो **AIR QUALITY DETECTING SMART WINDOW PARTITION** से संबंधित है, का पंजीकरण, श्रेणी 10-05 में 1.Mr.Abdul Ghaffar 2. Dr.Sanjay L. Badjate 3.Nigar Sheikh 4.Arpita Fusey 5.Amey Khedikar 6.Sneha Hirekhan 7.Abhay Hirekhan 8.Atul Bante 9.Khalid Ansari 10.Najma Siddiqui Anjuman 11.Dr.Khushi Shindhi 12.Dr.Yogesh P. Shinde, और अन्य के नाम में उपर्युक्त संख्या और तारीख में कर लिया गया है।

Certified that the design of which a copy is annexed hereto has been registered as of the number and date given above in class 10-05 in respect of the application of such design to **AIR QUALITY DETECTING SMART WINDOW PARTITION** in the name of 1.Mr.Abdul Ghaffar 2. Dr.Sanjay L. Badjate 3.Nigar Sheikh 4.Arpita Fusey 5.Amey Khedikar 6.Sneha Hirekhan 7.Abhay Hirekhan 8.Atul Bante 9.Khalid Ansari 10.Najma Siddiqui Anjuman 11.Dr.Khushi Shindhi 12.Dr.Yogesh P. Shinde, et al.

दिनांक अधिनियम, 2000 तथा दिनांक नियम, 2001 के अधीन प्रानवानों के अनुसरण में।  
In pursuance of and subject to the provisions of the Designs Act, 2000 and the Designs Rules, 2001.

जारी करने की तिथि : 24/08/2023  
Date of Issue

महानिदेशक, पेटेंट, डिजाइन और वाणिज्य चिह्न  
Controller General of Patents, Designs and Trade Marks

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The reciprocity date (if any) which has been allowed and the name of the country. Copyright in the design will subsist for ten years from the date of Registration, and may under the terms of the Act and Rules, be extended for a further period of five years. This Certificate is not for use in legal proceedings or for obtaining registration abroad.



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## Department of Civil Engineering

INTELLECTUAL PROPERTY INDIA  
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GEOGRAPHICAL INDICATION

ORIGINAL  
क्रम सं। Serial No. : 182383

पेटेंट कार्यालय, भारत सरकार | The Patent Office, Government Of India

डिजाइन के पंजीकरण का प्रमाण पत्र | Certificate of Registration of Design

दिनांक सं. / Design No. : 428848-001  
 तारीख / Date : 30/08/2024  
 पारस्परिकता तारीख / Reciprocity Date\* :  
 देश / Country :

प्रमाणित किया जाता है कि संलग्न प्रति में वर्णित दिनांक नो **IOT BASED ULTRA SONIC CONCRETE MIXING MACHINE** से संबंधित है, का पंजीकरण, श्रेणी 15-04 में 1.Dr. Snehal Abhyankar 2. Dr. Amey Khedikar 3.Dr. Sandeep Gaikwad 4.Prof. Sanjay Bhadke 5.Prof. Divyani Harpal 6.Prof. Mohit Singh Katoch 7.Prof. Komal Meshram 8.Prof. Rishabh Mahure 9.Prof. Mrunali Makode 10.Prof. Hiteshkumar Mishra के नाम में उपर्युक्त संख्या और तारीख में कर लिया गया है।

Certified that the design of which a copy is annexed hereto has been registered as of the number and date given above in class 15-04 in respect of the application of such design to **IOT BASED ULTRA SONIC CONCRETE MIXING MACHINE** in the name of 1.Dr. Snehal Abhyankar 2. Dr. Amey Khedikar 3.Dr. Sandeep Gaikwad 4.Prof. Sanjay Bhadke 5.Prof. Divyani Harpal 6.Prof. Mohit Singh Katoch 7.Prof. Komal Meshram 8.Prof. Rishabh Mahure 9.Prof. Mrunali Makode 10.Prof. Hiteshkumar Mishra.

दिनांक अधिनियम, 2000 तथा दिनांक नियम, 2001 के अधीन प्रान्थानों के अनुसरण में।  
 In pursuance of and subject to the provisions of the Designs Act, 2000 and the Designs Rules, 2001.

जारी करने की तिथि : 08/10/2024  
 Date of Issue : 08/10/2024

सहायक पेटेंट, डिजाइन और वाणिज्य चिह्न  
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 The reciprocity date (if any) which has been allowed and the name of the country. Copyright in the design will subsist for ten years from the date of Registration, and may under the terms of the Act and Rules, be extended for a further period of five years. This Certificate is not for use in legal proceedings or for obtaining registration abroad.