

LIST OF PATENTS AY: 2025-26

S. N.	Author Name	Title of Patent	Country	Registration Date/Filing Date	Publication Date/Certificate Issue Date
1	Dr. Vandana Agarwal	Automated Earthquake Response and Building Stabilization System	India	05.07.2025	10.08.2025
2	Dr. Stuti Saxena, Ms. Shefali Madan, Ms. Anita	Mental Health Managing Assistance Robot	India	12/6/2026	30/07/26
3	Ms. Anita , Ms. Sunita,. Dr. Stuti Saxena,. Ms. Shallu Hassija, Ms. Mahima Magon Ms. Shefali Madan , Mr. Saransh Prakash.	Biometric Enable Developer Authentication Docking Terminal	India	8/6/2026	5/8/2026

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(54) Title of the invention : AUTOMATED EARTHQUAKE RESPONSE AND BUILDING STABILIZATION SYSTEM

(51) International classification :G01V0001010000, E04H0009020000, G08B0007060000, G01V0001280000, G08B0021100000 (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)MANAV RACHNA UNIVERSITY, FARIDABAD Address of Applicant :Manav Rachna University, Sector – 43, Aravalli Hills, Delhi – Surajkund Road, Faridabad – 121004, Haryana ----- Name of Applicant : NA Address of Applicant : NA (72)Name of Inventor : 1)Dr. Dinesh Kumar Sharma Address of Applicant :Professor, Department of Sciences, Manav Rachna University, Sector-43, Surajkund Road, Haryana, Faridabad 121001 ----- ----- 2)Dr. Ananna Bardhan Address of Applicant :Assistant Professor, Department of Sciences, Manav Rachna University, Haryana, Faridabad 121004 ----- 3)Dr. Vandana Agrawal Address of Applicant :Professor, Echelon Institute of Technology, Kheri-Manjhawali Road, Naharpar, Kabulpur Patti Mahtab, Faridabad, Haryana 121101 - ----- 4)Dr. Bindu Mangla Address of Applicant :Associate Professor, Department of Chemistry, J C Bose University of Science and Technology, YMCA, Faridabad, Haryana- 121006 ----- -----
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(57) Abstract :

The present invention relates to an automated earthquake response and building stabilization system that integrates advanced seismic detection sensors, real-time data processing units, and active structural stabilization mechanisms. The system comprises a network of distributed vibration sensors, accelerometers, and gyroscopic detectors strategically positioned throughout a building structure. Upon detecting seismic activity above predetermined thresholds, the system automatically activates countermeasures including hydraulic dampers, electromagnetic stabilizers, and structural support mechanisms. The invention incorporates machine learning algorithms for pattern recognition, enabling differentiation between actual seismic events and false alarms. The system provides immediate response capabilities within milliseconds of earthquake detection, significantly reducing structural damage and enhancing occupant safety. Additionally, the system includes emergency communication protocols, automated utility shutoff mechanisms, and evacuation guidance systems, creating a comprehensive earthquake protection infrastructure for modern buildings

No. of Pages : 14 No. of Claims : 8



ORIGINAL

क्रम सं/ Serial No. : 246785



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The Patent Office, Government Of India

डिजाइन के पंजीकरण का प्रमाण पत्र

Certificate of Registration of Design

डिजाइन सं. / Design No.

505426-001

तारीख / Date

12/06/2026

पारस्परिकता तारीख / Reciprocity Date*

देश / Country

प्रमाणित किया जाता है कि संलग्न प्रति में वर्णित डिजाइन जो **MENTAL HEALTH MANAGING ASSISTANCE ROBOT** से संबंधित है, का पंजीकरण, श्रेणी 24-02 में 1.Dr. Rajendra Kachhava 2. Dr. Stuti Saxena 3.Dr. Shivang Tripathi 4.Shefali Madan 5.Anita 6.Dr. Awanit Kumar के नाम में उपर्युक्त संख्या और तारीख में कर लिया गया है।

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डिजाइन अधिनियम, 2000 तथा डिजाइन नियम, 2001 के अधधीन प्रावधानों 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 : 30/07/2026
Date of Issue



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क्रम सं/ Serial No. : 246808



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Certificate of Registration of Design

डिजाइन सं. / Design No.

504887-001

तारीख / Date

08/06/2026

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जारी करने की तिथि : 05/08/2026
Date of Issue



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