

पेटेंट कार्यालय  
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(54) Title of the invention : SYSTEM FOR REMOTE IOT MONITORING AND CONTROL OF MEDICINE WAREHOUSING

<p>(51) International classification :G06Q0010087000, G06N0020000000, H04W0004380000, G06Q0010080000, H04L0067125000</p> <p>(86) International Application No :NA Filing Date :NA</p> <p>(87) International Publication No : NA</p> <p>(61) Patent of Addition to Application Number :NA Filing Date :NA</p> <p>(62) Divisional to Application Number :NA Filing Date :NA</p>	<p>(71)Name of Applicant :  <b>1)Dr. Harpreet Singh</b>  Address of Applicant :Professor, School of Pharmaceutical Sciences (Faculty of Pharmacy), IFTM University, Lodhipur, Rajput, Moradabad, Uttar Pradesh, Pin Code: 244102 -----  <b>2)Alok Kumar</b>  <b>3)Dr Prasanna Kumar Pradhan</b>  <b>4)Dr Ramesh D</b>  <b>5)K. R. Mangalam University</b>  <b>6)Dr Archana Sharma</b>  <b>7)Shankar</b>  <b>8)Dr. Aarti Sangwan</b>  <b>9)Dr Renu Virak</b>  Name of Applicant : NA  Address of Applicant : NA</p> <p>(72)Name of Inventor :  <b>1)Dr. Harpreet Singh</b>  Address of Applicant :Professor, School of Pharmaceutical Sciences (Faculty of Pharmacy), IFTM University, Lodhipur, Rajput, Moradabad, Uttar Pradesh, Pin Code: 244102 -----  <b>2)Alok Kumar</b>  Address of Applicant :Assistant professor, SCSE, Galgotias University, Greater Noida, Uttar Pradesh -----  <b>3)Dr Prasanna Kumar Pradhan</b>  Address of Applicant :Professor, Ph. Quality Assurance, Pioneer Pharmacy College, Vadodara, Gujarat -----  <b>4)Dr Ramesh D</b>  Address of Applicant :Associate Professor, Department of Veterinary Biochemistry, Veterinary College, Hassan, KVAFSU, Karnataka. -----  --  <b>5)Dr Archana Sharma</b>  Address of Applicant :KIET Group of Institutions, Delhi-NCR, Meerut Rd, Ghaziabad, Uttar Pradesh, Pin Code: 201206 -----  <b>6)Shankar</b>  Address of Applicant :Assistant Professor, SGT College of Pharmacy, SGT University, Gurugram, Haryana, Pin Code: 122505 -----  <b>7)Dr. Aarti Sangwan</b>  Address of Applicant :Assistant Professor, Department of Computer Science and Engineering, KR Mangalam University, Sohna Road, Gurugram, Haryana, Pin Code:122103 -----  <b>8)Dr Renu Virak</b>  Address of Applicant :Assistant professor, Dr M.J.P Rohilkhand University, Bareilly, Uttar Pradesh -----</p>
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(57) Abstract :  
The present invention relates to a comprehensive Internet of Things (IoT) based system for remote monitoring and control of medicine warehousing facilities. The system integrates multiple sensors for real-time monitoring of critical environmental parameters including temperature, humidity, light exposure, and air quality within pharmaceutical storage areas. The invention employs wireless sensor networks, cloud-based data processing, automated alert mechanisms, and remote control capabilities to ensure optimal storage conditions for medicinal products. The system features predictive analytics for equipment failure prevention, automated environmental control systems, inventory tracking capabilities, and compliance reporting tools. The invention provides real-time dashboards accessible via web and mobile applications, enabling warehouse managers to monitor multiple facilities remotely. Advanced machine learning algorithms analyze historical data to optimize storage conditions and predict potential issues before they affect product integrity, ensuring pharmaceutical products maintain their efficacy and safety standards throughout the storage lifecycle.

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