

पेटेंट कार्यालय  
शासकीय जर्नल

**OFFICIAL JOURNAL  
OF  
THE PATENT OFFICE**

---

---

निर्गमन सं. 16/2024  
ISSUE NO. 16/2024

शुक्रवार  
FRIDAY

दिनांक: 19/04/2024  
DATE: 19/04/2024

---

---

पेटेंट कार्यालय का एक प्रकाशन  
PUBLICATION OF THE PATENT OFFICE

(54) Title of the invention : METHOD AND SYSTEM FOR DYNAMIC INTEGRATION OF VIRTUAL INFORMATION LAYERS IN REAL ENVIRONMENTS

<p>(51) International classification :G06T0019000000, G06N0020000000, G06F0003010000, G06K0009620000, H04L0067520000</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 :</p> <p><b>1)CMR COLLEGE OF ENGINEERING &amp; TECHNOLOGY</b> Address of Applicant :KANDLAKOYA, MEDCHAL ROAD, HYDERABAD, TELANGANA, INDIA, 501401. Hyderabad -----</p> <p><b>2)CMR TECHNICAL CAMPUS</b></p> <p><b>3)CMR INSTITUTE OF TECHNOLOGY</b> Name of Applicant : NA Address of Applicant : NA</p> <p>(72)Name of Inventor :</p> <p><b>1)Mr. Venkateswara Rao K</b> Address of Applicant :Associate Professor Information Technology CMR College of Engineering &amp; Technology KANDLAKOYA, MEDCHAL ROAD, HYDERABAD, TELANGANA, INDIA, 501401 Hyderabad -----</p> <p><b>2)Mr. G. Anudeep Goud</b> Address of Applicant :Professor Information Technology CMR College of Engineering &amp; Technology KANDLAKOYA, MEDCHAL ROAD, HYDERABAD, TELANGANA, INDIA, 501401 Hyderabad -----</p> <p><b>3)Mrs. K. Archana</b> Address of Applicant :Professor Information Technology CMR College of Engineering &amp; Technology KANDLAKOYA, MEDCHAL ROAD, HYDERABAD, TELANGANA, INDIA, 501401 Hyderabad -----</p> <p><b>4)Md Sajit Pasha</b> Address of Applicant :Professor CMR TECHNICAL CAMPUS Information Technology KANDLAKOYA VILLAGE, MEDCHAL MANDAL, R. R DISTRICT, HYDERABAD 501401 TELANGANA, INDIA Hyderabad -----</p> <p><b>5)Ch Ramesh</b> Address of Applicant :Assistant Professor CMR TECHNICAL CAMPUS Information Technology KANDLAKOYA VILLAGE, MEDCHAL MANDAL, R. R DISTRICT, HYDERABAD 501401 TELANGANA, INDIA Hyderabad -----</p> <p><b>6)D Mahesh Babu</b> Address of Applicant :Assistant Professor CMR TECHNICAL CAMPUS Information Technology KANDLAKOYA VILLAGE, MEDCHAL MANDAL, R. R DISTRICT, HYDERABAD 501401 TELANGANA, INDIA Hyderabad -----</p> <p><b>7)Veeresh Uppara</b> Address of Applicant :Assistant Professor, Computer Science and Engineering, CMR Institute of Technology, Hyderabad Hyderabad -----</p> <p><b>8)Sabavath Sarika</b> Address of Applicant :Assistant Professor, Computer Science and Engineering, CMR Institute of Technology, Hyderabad Hyderabad -----</p>
---	--

(57) Abstract : METHOD AND SYSTEM FOR DYNAMIC INTEGRATION OF VIRTUAL INFORMATION LAYERS IN REAL ENVIRONMENTS ABSTRACT The invention discloses a system and method for dynamic integration of virtual information layers in real environments utilizing machine learning. The system (100) includes a sensor module (108) designed to collect real-world environmental data, a machine learning module (110) configured to analyze the acquired data and generate virtual information layers, and a display device (112) presenting the real environment overlaid with machine learning-enhanced virtual information layers. The method involves obtaining real-world environmental data from sensors, employing machine learning algorithms for analysis and processing, generating virtual information layers based on the machine learning analysis, and dynamically overlaying these layers onto the real environment in real-time. The innovative system and method enhance user experiences by seamlessly integrating machine learning-driven virtual information layers, adapting to changes in the environment, and providing a versatile interface for user interaction. Applications span various fields, including augmented reality, navigation, and collaborative information sharing in dynamic real-world settings.

No. of Pages : 20 No. of Claims : 9