पेटेंट कार्यालय
शासकीय जर्नल

OFFICIAL JOURNAL
OF
THE PATENT OFFICE

निर्गमन सं. 14/2026	शुक्रवार	दिनांक: 03/04/2026
ISSUE NO. 14/2026	FRIDAY	DATE: 03/04/2026

पेटेंट कार्यालय का एक प्रकाशन
PUBLICATION OF THE PATENT OFFICE

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :23/03/2026
(21) Application No.202641034656 A
(43) Publication Date : 03/04/2026

(54) Title of the invention : IOT-BASED AUTOMATED SYSTEM FOR REAL-TIME TEACHING PERFORMANCE EVALUATION IN EDUCATIONAL INSTITUTIONS USING ANALYTICS

(51) International classification	:G06Q 50/20, G09B 7/02, G06N 20/00, G06Q 10/06, G09B 7/00
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No Filing Date	: :01/01/1900
(87) International Publication No	: NA
(61) Patent of Addition to Application Number Filing Date	:NA :NA
(62) Divisional to Application Number Filing Date	:NA :NA

(71)**Name of Applicant :**
1)Vel's Institute of Science, Technology and Advanced Studies (VISTAS)
Address of Applicant :PV Vaithiyalingam Rd, Velan Nagar, Krishnapuram, Pallavaram, Chennai, Tamil Nadu- 600117, India. Chennai Tamil Nadu India
(72)**Name of Inventor :**
1)Dr. M. Meena
2)Dr. Madona B Sahaai
3)Ms. G. Monica
4)Dr. V. Subha
5)Dr. T. KamalaKanna
6)Dr. R. Devi
7)Dr. K. Sharmila
8)Dr. S. Jayashree
9)Dr. R. Bagavathi Lakshmi

(57) Abstract :
ABSTRACT The present invention relates to an IoT-based automated system for evaluating teaching performance in educational institutions. The system utilizes interconnected sensors, data acquisition devices, and cloud-based analytics to monitor and assess classroom activities in real time. The invention captures multiple parameters including student engagement, teacher behavior, attendance, and environmental conditions. These parameters are processed using machine learning algorithms to generate objective performance metrics. The system provides real-time feedback and detailed performance reports through an interactive user interface. This enables educators to improve their teaching methodologies and enhances overall learning outcomes. The invention addresses limitations of traditional evaluation methods by offering continuous, unbiased, and data-driven assessment. It improves transparency, accountability, and efficiency in educational performance evaluation. The system is scalable and adaptable, making it suitable for various educational environments. It also incorporates data security features to ensure privacy and compliance with regulations. Overall, the invention represents a significant advancement in educational technology by integrating IoT and analytics for automated teaching performance evaluation.

No. of Pages : 8 No. of Claims : 10