

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202611045028 A

(19) INDIA

(22) Date of filing of Application :08/04/2026

(43) Publication Date : 22/05/2026

(54) Title of the invention : AN ARTIFICIAL INTELLIGENCE-BASED REAL-TIME ATTENDANCE MANAGEMENT SYSTEM

(51) International classification	:G07C 1/10, G06Q 10/10, G06K 9/00, G06V 40/16, G06Q 10/06	(71) <b>Name of Applicant :</b> <b>1)NOIDA INSTITUTE OF ENGINEERING &amp; TECHNOLOGY</b> Address of Applicant :19, KNOWLEDGE PARK-II, INSTITUTIONAL AREA, GREATER NOIDA-201306, GAUTAM BUDDHA NAGAR, UTTAR PRADESH, INDIA Uttar Pradesh India
(31) Priority Document No	:NA	(72) <b>Name of Inventor :</b>
(32) Priority Date	:NA	<b>1)AMAN DWIVEDI</b>
(33) Name of priority country	:NA	<b>2)ANIRUDH CHAUHAN</b>
(86) International Application No	:	<b>3)ARJIT PATHAK</b>
Filing Date	:01/01/1900	<b>4)MS. GARIMA JAIN</b>
(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	

(57) Abstract :

Disclosed herein is an artificial intelligence-based real-time attendance management system (100), the system (100) comprising a camera (102) configured to capture real-time facial images of a user for an attendance marking process, a user interface (104) integrated into a user device (106) and configured to receive attendance-related data and facilitate interaction between the user and the system (100), a communication network (108) configured to establish a communication link for seamless transmission of data among components of the system (100), a processing unit (110) configured to evaluate the real-time facial image data and mark attendance based on an identified user, wherein the processing unit (110) further comprises a data acquisition module (114), a preprocessing module (116), a face detection module (118), a feature extraction module (120), a user recognition module (122), an attendance recording module (126) and an output module (132).

No. of Pages : 28 No. of Claims : 10