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(54) Title of the invention : INTERNET OF THINGS (IOT) ENABLED SMART CAMERA FOR AUTOMATIC ATTENDANCE MANAGEMENT SYSTEM OF A STUDENTS / EMPLOYEES BASED ON THE DEEP LEARNING APPROACH

(51) International classification : H04L 29/08	(71)**Name of Applicant :** 1)**Dr. Manikonda Srinivasa Sesha Sai** Address of Applicant :Professor, Department of CSE, KKR & KSR Institute of Technology and Sciences, Vinjanampadu, Guntur -522017, Andhra Pradesh, INDIA Andhra Pradesh India 2)**Dr. Eluri Venu Madhavi** 3)**Dr. G. Harinatha Reddy** 4)**Mr. Gurukumar Lokku** 5)**Vikram Neerugatti** 6)**Dr. Kamalapuram Khaja Baseer** (72)**Name of Inventor :** 1)**Dr. Manikonda Srinivasa Sesha Sai** 2)**Dr. Eluri Venu Madhavi** 3)**Dr. G. Harinatha Reddy** 4)**Mr. Gurukumar Lokku** 5)**Vikram Neerugatti** 6)**Dr. Kamalapuram Khaja Baseer**
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(57) Abstract :
Day to Day, various technologies like IoT and deep learning are growing a lot. With this advancement in technologies, it has applications almost in various disciplines like healthcare, agriculture, education system, constructions fields and any offices / corporate buildings. Every day in all fields need to take the attendance of the employees or students in academic institutions. The existing technologies are involved with a lot of manual processing, to reduce this manual processing here the proposed product will automatically generate the attendance report of every individual separately in terms of hours. This product consists of the camera equipped with the sensors and connected to the cloud. In cloud the deep learning approaches are used to generate the automatic attendance system by using the deep face, a deep learning approach. With this Proposed IoT based camera and by deep learning approaches the automatic attendance management systems was developed.

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