**Title Of the Project:** Cloud Based Attendance For Students/Employees Using CNN and LSTM.

**Name Of the Students:** G.Surendar**(211417104275)**

S.Vasanth**(211417104294)**

J.Vishnu**(211417104304)**

**Name of the Guide:** Mr.A.N.Sasikumar

**ABSTRACT**

A facial recognition attendance system is a contactless way to manage visitors and employees in an organization. Unlike other types of biometric systems, such as fingerprints that capture identity through touch, a facial recognition system is a touchless way to manage employees and visitors. In this Virtual Era Institute’s and Corporates are moving towards e-learning and e-training facilities where attendance plays a vital role. Having time constraints as a limit, a lot of time is wasted in taking attendance. In this project we have come with an idea of an automated attendance system and head-count during any live session or at the entrance. There will be no manual work of taking attendance after the implementation of this system. As soon as the users enter the session the attendance will be marked with the time stamp. The head count will be taken in random duration to prevent flaws and attendance will be verified on change of headcount. The Attendance data will be stored in an SQL database and propagated to the website which will be available for the instructor or admin user for cross verification. The Main Objective of this project is to reduce the burden/Work that is carried out manually for taking attendance by replacing it with a Smart attendance system using Facial Recognition. It takes barely 3 seconds to recognize your face and create an attendance journal in the payroll system, saving precious man-hours. Automatically scans multiple students, with 99.8% accuracy in face detection. Faces once recognised are accurately enrolled into the payroll system. Integrated with systems like loT sensors, it cannot be scammed easily. Saving time will lead to an increase in productivity, resulting in reduction of cost (optimal utilization of resources) and an increase in revenue