- **Abstract:**

In this paper, the development of an attendance management system using biometrics is proposed. Managing student attendance during lecture periods has become a difficult challenge. The ability to compute the attendance percentage becomes a major task as manual computation produces errors, and also wastes a lot of time. For the stated reason, an efficient attendance management system using biometrics is designed. This system takes attendance electronically with the help of a finger print device and the records of the attendance are stored in a database. Attendance is marked after student identification. For student identification, a biometric (fingerprint) identification based system is used. This process however, eliminates the need for stationary materials and personnel for the keeping of records. Eighty candidates were used to test the system and success rate of 94% was recorded. The manual attendance system average execution time for eighty students was 17.83 seconds while it was 3.79 seconds for the automatic attendance management system using biometrics. The results showed improved performance over manual attendance management system. Attendance is marked after student identification.

- **Goals:**

➢ Students will be able to mark their attendance through thumb impression.

➢ System will notify the student if attendance is less than 75%.

➢ Easy to manage the attendance.

- **Objective:**

The primary objective of doing this research is to fault-finding different variety of biometric technology system and study how they were used in past and how can we improve the system, make it useful at present time, particularly the issue of attendance marking in various organizations. As well, the study brings out the assorted factors which are to be considered while implementing a biometric system for a specific purpose.

- **Technical Feasibility:**

A Biometric attendance system with the sign up/Register portal of the students and teachers. All the students and teachers should have to register with the thum impression.

- **Economical:**

Economically system is not too much expensive.we will just have to buy some hardware like fingerprint sensor for biometric verification.

- **Legal:**

There is no ethical or privacy issue in our project.Because its a simple attendance system that will manage the attendance of registered students of department.