**RFID Based Attendance System**

PROJECT DESCRIPTION

The main objective of this project is to record the attendance of students using RFID tags. Each student is provided with his/her authorized tag to scan over the reader to record and upload their attendance to Database through Internet.

In classrooms, time is wasted in ID number calls as it is done manually. In this proposed system, every authorized student is given a unique RFID tag. This tag contains an integrated in built circuit which contain 1KB storage where the Unique RFID number is stored.

Thus, the data stored in this card is referred as the identification/attendance of the person. Once the student places the card in front of the RFID card reader, it reads the data and verifies it with the data stored in the Cloud. If the data matches, then the LED connected to breadboard circuits Blink along with the sound buzzer.

The status of a student’s attendance can be retrieved from the application developed that can be accessed in the Mobile Phone. The application contains Student and Administrator Login. The student can get his personal and Attendance information from application. The Administrator can access the Application with his/her login and can get the Attendance of all students. Hence, a lot of time is saved as all the students attendance is directly stored in the data base.

The project can be further enhanced by adding features like sending an SMS of the daily attendance of students to their parents. It can also be enhanced by using a finger print module along with RFID module that has certain drawbacks of tags be misused.