AICB1-CC01(Bug Slayers)

* Background of the Problem

Attendance is very important in every student’s life, a single absent is big difference in performance in the academics. Attendance is a basic and the most important criteria needed in all the education system. Attendance is used as a record to assess student consistency in the class. Therefore, student is required to attend all teaching activities held by the institutions. Currently, schools and colleges are still practicing old method to take the student attendance which is by giving out attendance sheet to be sign by student. This impractical method will lead to fraud on number of absentees by students. Besides, this method also easily allow for impersonation as some student may purposely sign on another student’s name. Besides, lecturer needs to analyse manually every attendance sheet to identify the number of absentees for both lecture and lab classes correspond to subject. Then, lecturer needs to count and calculate percentage of present of all the students manually to identify when warning letter need to be given to the student depend on his or her number of absents without providing any medical certificate or notice. As a result, it is time consuming, increases work of the lecturer and prone to human error as it is difficult to know whether the calculation made was correct.

* User / Customer

User / Customer is the person who uses the software or the product that is designed by us to get fruitful results. Attendance Monitoring System using Cloud Computing can be used in Educational Institutions and Industries. In educational institutions students and teachers are the end user. By using it we can monitor the presence and absence of students in class, by using this, students will be reporting on correct time, their leaves can also be managed in an efficient manners and teachers can have complete accessibility of it. In Industries employees are the users, attendance monitoring in industries will be done for tracking of hours worked by each employee, and will also monitor late arrivals, early departures, breaks taken, absenteeism and calculate their salary effectively. The system is operated at high level of efficiency and all the users associated with the system understand the advantage that this system provides

* Problem Statement

Attendance Management System is a software developed for daily student attendance in Educational Institutions and Industries. It facilitates to access the attendance information of a particular student/employee on a particular day. This system will also help in evaluating attendance eligibility criteria of a student. By just a click on the mouse, the system will be able to produce the student’s attendance report thus reducing the need of manual labour which is prone to human errors and time consuming. This can also be integrated with the wages in Industries, thus helping the employee and also the office by paying accordingly. This application is built for automating the process of attendance. It also enhances the speed of performing attendance task easily. The user can view the attendance record on weekly, monthly basis. The admins can view as well and modify the attendance record if needed.