

Attendance Monitoring System

1. Background of the problem:

Over the years, there is a huge importance to present the right data of a person either at work , companies, or in educational institutions and this was a huge responsibility of the person who is intended to monitor the attendance. This attendance is used to record in a book at the early 20's but later few acknowledged people had put some efforts to digitalize the system in order to eliminate the proxy's such as simple mistakes of the people, theft of the papers, easy possibility of manipulation, wastage of papers, huge space to store the manual records of years of data, difficult to retrieve data at once etc. Later few people had introduced the usage of spreadsheets which indeed helped to reduce the burden but still it is difficult to store the huge amount of data on the system , and recording data of thousands of people is still difficult.

Now , many are using different ways to monitor the attendance such as biometric system, using of punch cards , login data for certain organizations etc., but these methods also had certain drawbacks for example in using punch cards there is a possibility that a friend might just punch the card even though the person isn't present physically at the moment. For a biometric system installation of biometrics and background of this is still monitored on a spreadsheet still where there is a scope for manipulation sometimes lost of data happens. These systems doesn't have proper security available for the data.

2.User/customer.

We wanted to create an attendance monitoring system using the cloud for educational institutions. Educational institutional need to record huge amount of data over the years and there has to be transparency in the attendance. That will help to provide the quality of information about the student. For our project students and staff are the users. They are going to use a simple web page to mark their attendance.

3.Problem statement:

We are developing an attendance monitoring web page where the students and staff of the educational institution use to mark their presence at the institution. The web page will be deployed on the Microsoft Azure platform and we are adopting the IaaS model.