

Students Attendance through Sensors

Problem Statement:

Staff's uses manual record book to mark attendance for whole class (50 to 60 students), which may take Time, Confusion, May Miss Absent Student, For Presence may put Absent .

To overcome come these Problem we product a smart system.

Solution:

System that include a High End Sensors which will take students ID number(Unique) as Input while Check IN and Check OUT. From the time Check IN time will start running at the background. If a staff enters the class the Sensors which holding the ID's of students will be sent as a result of presence to attendance database.

Subject time table stored with Staff ID accordingly.

Constraints:

If a Student is going out with the knowledge of staff's or faculty He/ She has to get back in by 15mins(From check out), Else will be marked as Absent.

If a Student is Check IN after 5-minutes of faculty check IN then that is marked as Absent.

If a student is Sent out by means of misbehaviour it goes to Faculties choice whether to put absent or present.

If in case, exchange of classes between a faculties won't be a problem (According to Faculties ID Attendance for the subject is marked).

Cancellation of a class can be Marked as Nil, suppose any compensation is going to be made means that Nil will be replaced.

If a faculty is letting the class to be free means that depends on the faculty whether that class need an attendance or not.

If in case, any Health issues that will be default put it as absent.

If any other student who is not belong to that class will be highlighted with Vibrant Message to faculty (For their attention) .

END

All these are sent to faculties application for the confirmation. Just click OK/SUBMIT to update the attendance (User interface Application).

Technology:- Internet of Things (IoT).