

## ABSTRACT

An institution is the place to apply the discipline of where someone have to obey the rules in all aspects defined there in. One of them is the discipline of the accuracy of time entry and time to go home. To that end, each room in an institutions has an sign time. The problem is the hours that are placed between the space of one with the other shows the time that is not the same. For example, in the institution which many students and lecturers do not come on time. Less so the discipline running well.

Technology is always evolving, one of them is digital technology. The things that work in analog, is now replaced by the things that work in digital, one of which is a digital clock. Digital clock made in this end project is a digital clock where equation involve a master clock and 2 slaves clock that the output will be displayed on the LCD screen, where it's work is controlled by a mikrokontroller namely IC AT89C51.

Master clock is the main clock where the main keys is to set it, so if the master clock changed then the slaves clock will automatically follow after twenty second. Therefore, a digital clock will always display the same timing. Therefore, all rooms in an institution will have uniform time and to provide the same timing standard for all elements of the existing institutions.