

## ABSTRACT

Television is one of supporting facilities for information and entertainment for public. However, at the moment many television programs shouldn't be watched by children. Sometimes the parent can't observe their children because their working or another activity. As a result the children watch television programs that is not suitable in the day time. Negative effect from the television programs can disturb the children psychology ( like " smack down" program case).

In this project, will be designed and build parental control television system using microcontroller from Atmel with ATMega16 series. The usage parental control system is very easy, where the user only program the time and station of television which one to be blocked. Initialization process of time and channel programs only once time using keypad and the activity will be display on 16x2 matrix LCD. The Accuracy of time became very important, that's why we use RTC (*Real Time Clock*). When television is turned on, while time and channel is blocked, than television will display a blank screen.

As result from design parental control television system is implementation at the colour television and able to help the parent to observe usage of television by children when the parent in their activities.