

## ***Abstract***

*Sometimes, there are a lot of small matters which disregarded by parent in educating their children. For example, the parent's negligence in monitoring the children activity in watching television. Like moment the child watching TV, usually they unconscious watching TV in near distance, it makes a bad effect for the eye of the child. So that the system which limit the distance of watching TV is needed. This final project an appliance which can overcome the problem will be made.*

*This equipment will limit the distance of watching TV by detecting the distance of human who are watching TV. To detect the distance a PIR censor is used. And then the output censor will be processed by system by using microcontroller MCS-51. This System will decide whether the watching distance is as equal as the recommended distance. If it is not as equal, this system will send a warning in the form of alarm voice, if this warning is not bothered this appliance will drop the connection of the AV TV, so that the picture will become blue. Besides limiting the distance of watching, this appliance will keep the condition of the room in watching TV.*