BU21EEC0100394

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**ADC using 8051(micro-controller)**

**Learning Objective:-**

* Converting the Analog signal to Digital signal using ADC 0808
* Using the ADC 0808 with 8051(micro-controller)

**Inputs and outputs :-**

* Potentiometer 1k or 10k is the input
* LEDS are the outputs

**Logic:-**

* ADC OUT pins is connected to 8051 port one
* for the ADC have selection lines that three lines connected to the port 2 this lines will select the input line for ADC 0808
* ADC 0808 have the EOC,START,ALE,CLOCK PULSE all this pins connected to the port two
* The LEDS are connected to the 8051 port three
* Based on resistance variations the leds will glow

**Common Mistakes:-**

* ADC 0808 have selection line while give input to that we need to check twice
* In the ADC 0808 have end of conversion we need connect properly to the 8051 micro-controller

**Results:-**



