

Discussions

At early we face a problem on how many sensors we are going to use. At first we decided to use 4 sensors that is economical and contrast. But after the first discussion with our instructor we decided to use 7 sensors. Because that is more accurate. But there is many problems we faced to take reading from the sensors. So we used 3 sensors finally and coded it in simple way.

While coding we faces many problems since we didn't familiar with microchip programming. So we decided to do simple codes first like led blinking switching. So we uploaded those codes on microchip and simulated them. After that we downloaded the PWM code from online. Study it and simulate it on proteus to know how it works.

Our battery charge became low faster. Then we replaced it with a higher capacity battery. Earlier one is 1200 mAh and final one is 2200 mAh.

We had to tune the sensors by changing the varistors time to time because of light intensity is changing to get a perfect input to PIC. At final model we covered sensors with black tape to prevent the interruption of external light.

