5.1 OVERVIEW:

In this chapter the result and the operation of the simulation will be discussed.

5-2 RESULT & DISCUSSION:

- Control Unit (Publicity):

The next figure (5.1) shows the publicity **PEPSI COLA** which displayed on the LCD,controled by pressing SW_1 switch on control center unit.

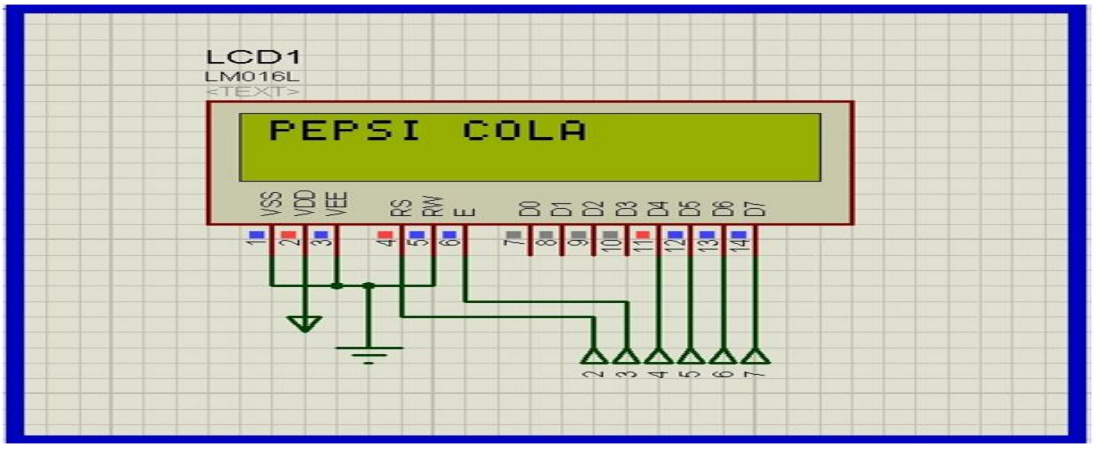


Figure (5.1) The Publicity **PEPSI COLA**

Figure (5.2)shows the publicity **SEGA FLOWER** which is diplayed on the LCD. Controlled by pressing SW_2 switch on control center unit.

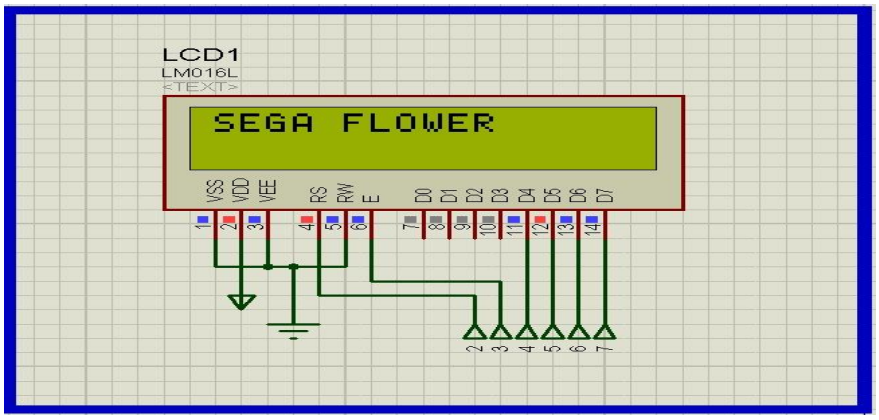


Figure (5.2) Publicity **SEGA FLOWER**

Temperature sensor

Figure (5.3) shows the SW_1, SW_2 when increasing or decreasing the temperature reference value. Also LED1, LED_2 & lm35 to indicate the heater and fan status, also it shows that when the reference value of the temperature has been 22° the fan and heater is OFF.

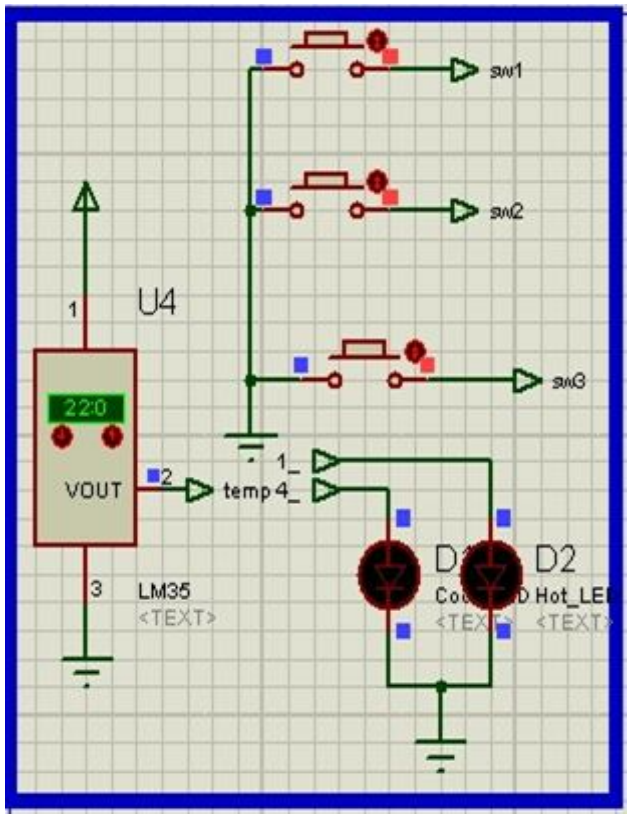
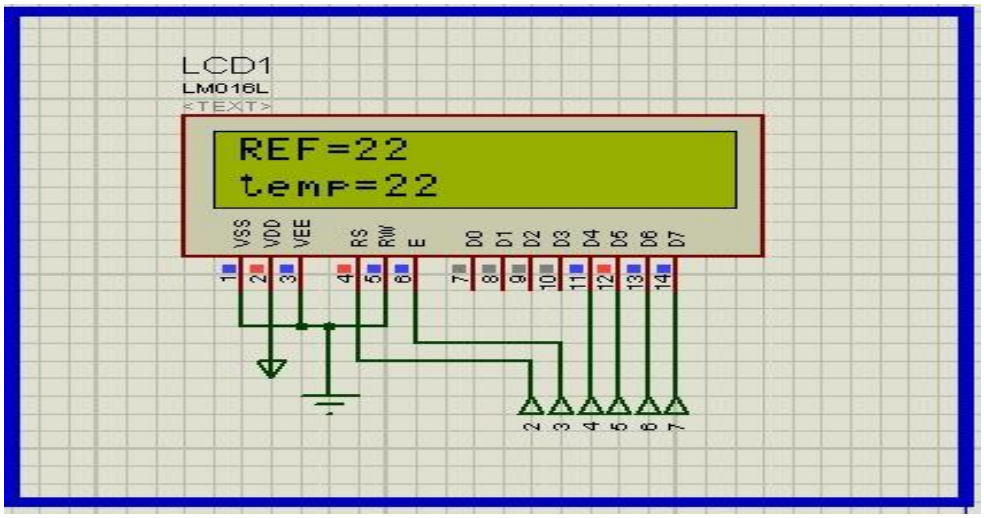


Figure (5.3) SW_1, SW_2 , LED_1, LED_2& lm35temp. 22°

Figure (5.4) shows the LCD display the temperature degree of senseor and referance value which indecate heater and fan OFF, this LCD on the control unit (publicity unit).



Figure(5.4) reference value and temp. Sensor on the control unit

Temperature sensor above Reference value

Figure (5.5) shows the SW_1, SW_2, for increasing & decreasing the temperature ref. value , sensor lm35 and LED1, LED2 indicate the statue of the heater OFF and fan ON or OFF due to the value (59°) more than the temperature (25°)on the control unit (publicity unit) .

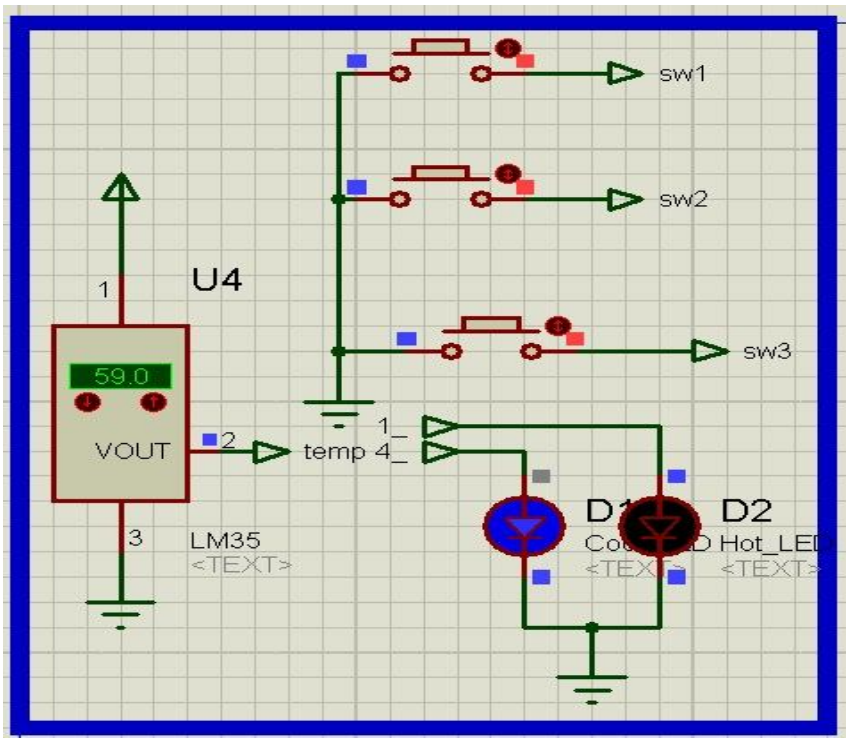


Figure 5.5 The SW_1, SW_2,LED1, LED2 & Sensor

Figure (5.6) shows the LCD display the temperature senseor at degree (59°) and reference (25°) witch indicate heater OFF and fan ON, on control unit (publicity unit).

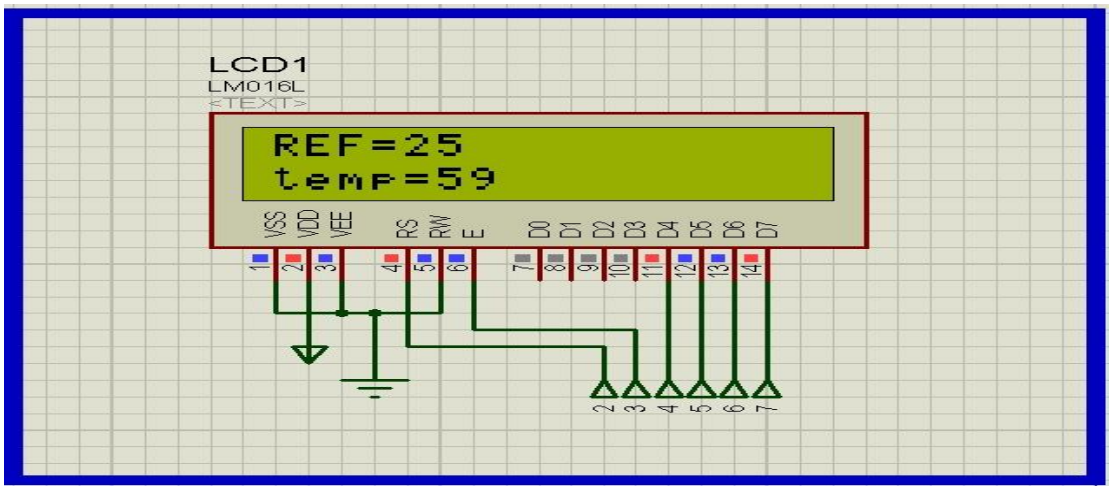


Figure (5.6) LCD the temperature and ref. value on (publicity unit)

Figure (5.7) shows the temperature sensor degree (59°) and reference (25°) display in LCD on the control center.

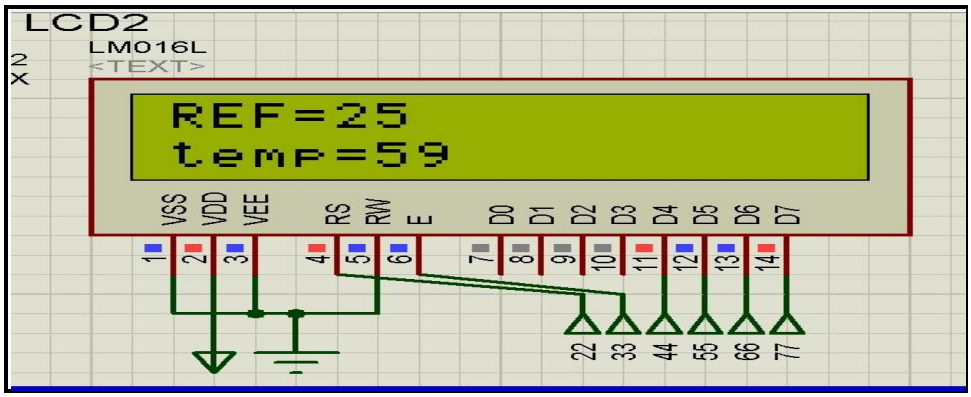


Figure (5.7) LCD display the temp. & reference value (control center).

Also figure (5.8) shows SW_1, SW_2 switchs for controlling and adjustment the reference value on the control center.

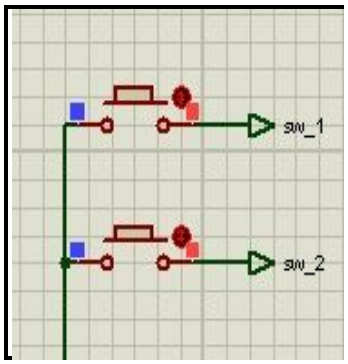


Figure (5.8)SW_1, SW_2Control the ref. value

At the last figure (5.9) show the LCD display the temperature senseor degree (22°) and referance (17°) witch indecate heater OFF and fan ON, on the (publicity unit).

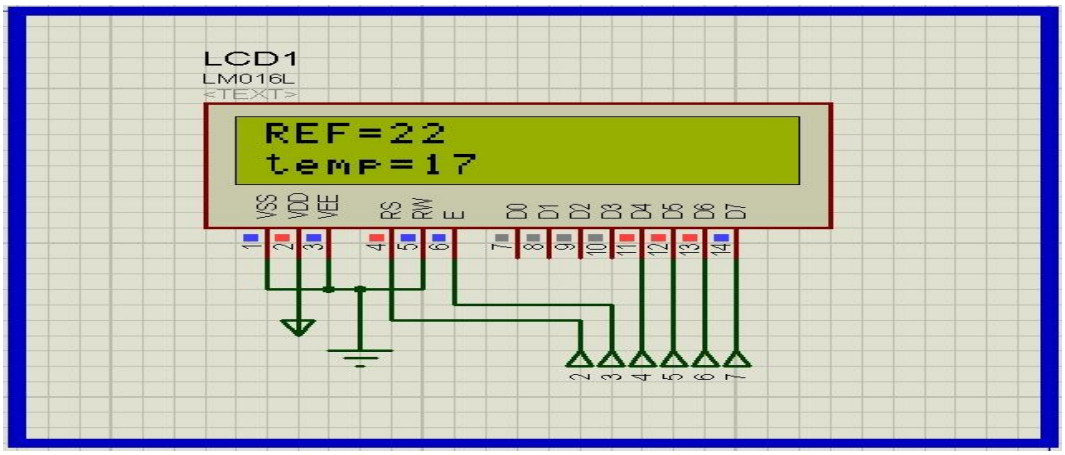


Figure (5.9) LCD for the temp. & ref. value in publicity unit.