

## ASSIGNMENT-7

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**PROBLEM STATEMENT:** Wireless n/w. Develop an app for a rolling display program of news on computer display. The IP strings are supplied by the mobile phone by another computer connected through wireless n/w.

### THEORY:

#### • LCD:

Liquid crystal display allows you to control LED display.

#### • H/W REQUIRED:

- Arduino board
- LCD screen
- Resistor
- wire

#### • CIRCUIT CONNECTION:

- Pin 15 of LCD module is connected to VCC via small-value resistors.
- Pin 3 [VEE] is connected to the variable terminal of a pot while the fixed terminal of the pot are connected to gnd & Vcc.
- The pin 4 is connected to gnd b/c arduino will only write data to LCD module.
- The RS, EN, DB4, DB5, DB6, DB7 pins of the LCD are connected to pins 13, 11, 6, 7 & 9 of arduino UNO resp.

Methods:

- i. Scroll Display LEFT(), scroll Display Right()  
methods to revise the direc<sup>n</sup> the text is following

• ADVANTAGES:

- Does not affect by the magnetic field
- Due to low power consumption, small heat emitted during operat<sup>n</sup>

DISADVANTAGES:

- In high temp. environment, there is loss of contrast

It is consumed a lot of electricity with produce a lot of heat

ADVANTAGES OF LCD:

Digital wrist watches

Aircraft

Digital cameras

CONCLUSION:

In this way, I have implemented program to display strings on rolling display