

# DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

## Experiment-7

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**Branch: BE-CSE**

**Semester: 6<sup>th</sup>**

**Subject Code: 20CSP-358**

**UID: 20BCS9398**

**Section/Group: 20BCS-DM\_708B**

**Subject Name: Internet of Things Lab**

**AIM:** To display data generated by sensor on LCD using Arduino/Raspberry Pi.

### **Components required:**

1. 1x Raspberry PI (Raspberry Pi B+ with rasbian wheezy).
2. 1x Arduino (I'm using the Arduino UNO).
3. 1x LCD 16x2

### **Code:**

```
#include <LiquidCrystal.h>

int pos=0; // variable to hold cursor position

LiquidCrystal lcd(12, 11, 5, 4, 3, 2);

void setup()
{
    lcd.begin(16, 2);    //initializes 16x2 LCD
    lcd.print("20BCS9398"); //text to display
}

void loop()
{
    for(pos=0; pos<2; pos++)
    {
```

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```
lcd.scrollDisplayLeft();//scrolls display left by two positions
```

```
}
```

```
delay(200); //sets the speed at which display moves
```

```
}
```

**Output:**

