**Name: *Ukasha Abdul Majeed* CMS ID: 031-21-0006**

|  |  |  |
| --- | --- | --- |
| ***S.N*** | ***Components*** | ***Number of items*** |
| **1.** | **7473 Dual JK Flip with clear IC** | **01** |
| **2.** | **555 Timer IC** | **01** |
| **3.** | **7408 QUAD 2-Input AND gates IC** | **01** |
| **4.** | **240V AC to 5 DC Power Supply Adapter** | **01** |
| **5.** | **Breadboard** | **02** |
| **6.** | **Resistors (100K & 470K)** | **01 Piece each** |
| **7.** | **Capacitor (1 micro F)** | **03** |
| **8.** | **LEDs(Green, Red, Yellow)** | **4 Pieces each** |
| **9.** | **Wires** |  |

**Name: *Imtiaz Ali* CMS ID: 031-21-0004**

|  |  |  |
| --- | --- | --- |
| ***S.N*** | ***Components*** | ***Number of items*** |
| ***1*** | ***MT8870 DTMF Decoder*** | ***1*** |
| ***2*** | ***ULN2003*** | ***1*** |
| ***3*** | ***Relay 5 volt*** | ***3*** |
| ***4*** | Bulb with holder or LED | ***3*** |
| ***5*** | Connecting wires |  |
| ***6*** | Bread board | ***2*** |
| ***7*** | Aux Wire | ***1*** |
| ***8*** | 9 volt battery | ***2*** |
|  | PVT or Terminal Block | ***4*** |
| ***10*** | 100K Resistor | ***2*** |
| ***11*** | 330K resistor                                        - | ***1*** |
| ***12*** | 0.1 uf Cap | ***2*** |
| ***13*** | 22 pF cap | ***2*** |
| ***14*** | 3.57 Mhz Crystal | ***1*** |
| ***15*** | LEDs | ***3*** |
| ***16*** | 1K resistor | ***6*** |
| ***17*** | 7805 | ***1*** |
|  |  |  |

***Name Arslan Aslam***

***CMS ID- 031-21-0002***

***Semester projector digital thermometer***

***COMPONENTS REQUIRED***

|  |
| --- |
| ***LM35(Temperature sensor)*** |
| ***ADC0804(ADC CONVERTER IC)*** |
| ***74LS85(BCD CONVERTER IC )*** |
| ***74LS47(IC)*** |