

KEYPAD 4X4

UET LAHORE

CONTROL SYSTEM PROJECT

1) 2021-EE-263

FASIH ULLAH SALEEM

2) 2021-EE-267

MUHAMMAD ASAD NADEEM

3) 2021-EE-326

SHEHERYAR ALI

N-OPEN
RELAY-OUT
N-CLOSE

RELAY

IN
GND
VCC

WATER FLOW SENSOR

GND
IN
VCC

LCD 16 X 2

Capacitor

POWER LED

L7805

PUMP

Capacitor

6.8k Ohms

330 Ohms

220 Ohms

LED

BLK
BLA
D7
D6
D5
D4
D3
D2
D1
D0
E
RW
RS
V0
VDD
GND

Vin
GND
RST
5V
A7
A6
A5
A4
A3
A2
A1
A0
REF
3V3
D13
D12
D11
D10
D9
D8
D7
D6
D5
D4
D3
D2
D1
D0

ARDUINO NANO R3

5V

GND

RST

Vin

GND

RST

Vin

GND

RST

Vin

GND

RST

Vin

GND

RST

Vin

GND

RST

Vin

GND

RST

Vin

GND

OUT
GN
VC
POT
IR