Porject No : P001

Project Name : naturalFarmingAtHome

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# Project Summary:

We can grow the natural vegetables at home for this we are creating this project. By growing natural vegetables at home individuals will be rich in health and lifestyle.

# Components required:

1. Arduino Uno
2. Relay (12v,4 amp OUT/ 230V In)
3. LCD Display 3\*16
4. RCT Module

# Circuit diagram:

BLUE TOOTH

RTC

ARDUINO

3\*16 LCD SCREEN

KEYPAD

MOTOR

RELAY 220V/12V

7 V Battery

AC SUPPLY

# PIN ALLOCATION:

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Sr No | Pin Description | From | | To | Pin No | Pin No | conf | conf |
| 1 | RTC Pin – NOT USED | | ARDUINO | RTC | NA | 32k |  |  |
| 2 | RTC Pin – NOT USED | | ARDUINO | RTC | NA | SQW |  |  |
| 3 | RTC CLOCK PIN | | ARDUINO | RTC | A5 | SCL |  |  |
| 4 | RTC DATA PIN | | ARDUINO | RTC | A4 | SDA |  |  |
| 5 | 5v pin | | ARDUINO | RTC | VCC | VCC |  |  |
| 6 | Ground pin | | ARDUINO | RTC | GND | GND |  |  |
| 7 |  | |  |  |  |  |  |  |
| 8 |  | |  |  |  |  |  |  |
| 9 |  | |  |  |  |  |  |  |
| 10 |  | |  |  |  |  |  |  |