

<https://www.youtube.com/watch?v=Rq-WYvCiJJs>

## **Morse Code Communication using Arduino Through LCD Display**

The aim of the project is to build a communication system for dumb people using morse code. Push button is used to enter the Morse code into the Arduino. This system displays the text message on LCD module and it is very useful who cannot talk with each other.

In this project we are using button to enter the morse code for communication. When the user presses the button at a particular duration of time. Then Arduino will translate that morse into text message will be display on LCD module. The power supply given for this circuit by a DC adapter which will give 5V DC supply to the circuit.

### **Main features present in the project:**

- Converts morse code into text message using Button.
- Displaying the text message on LCD display.
- To achieve this task using Arduino UNO microcontroller.

### **Components used:**

1. Arduino UNO.
2. Push Button.
3. LCD display.
4. 5V DC adapter.

### **Software used:**

- Embedded C Programming
- Arduino ide to dump the code in to the Arduino UNO.
- Express SCH for circuit design.

**Block diagram:**

