

# Video-08

## Interfacing a 4\*4 Keypad with Arduino UNO

This project demonstrates how to interface a **4x4 keypad** with an **Arduino Uno** to detect and process **user input**. Each key press on the keypad sends a unique signal to the Arduino, which is then read using the **Keypad library**. When a key is pressed, the Arduino reads the input using the **Keypad library** and **displays the corresponding number or letter on the serial monitor** in real time. This setup is useful for understanding **user input handling**, and can be extended to applications like **password entry**, **menu navigation**, or **calculator projects**.