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| https://tse4.mm.bing.net/th?id=OIP.mllnQJrRrSX7FgDpbNsKvQHaH0&pid=Api&P=0&w=300&h=300 |  | **Pressure**  **Mapping system**.  In this project we are going to learn about how to distinguish different applied pressures using pressure pad and Arduino.  Arduino is the main part of this project and it will be used to read from the pressure pad sensor and determine the applied pressure. Pressure pads are designed to detect when pressure is applied to an area, and they come in a variety of quality and accuracy. The simplest pressure pads are often the equivalent of big switches. Inside a pressure pad are two layers of foil separated by a layer of foam with holes in it. When the foam is squashed, the metal contacts touch through the foam and complete the circuit.  **Working of Pressure mapping systemUsing Arduino:**   * Pressure pad sensor determines the pressure applied on it and transmits the information to the Arduino and the Arduino transmits the signals to the Led’s to display the extent of pressure applied on the pressure pad sensor. For different pressures applied different led’s will be glowing based on the extent of the apllied pressure.   **BLOCK DIAGRAM :** Circuit Diagram:Pressure mapping system Using Arduino   One SEN-09376 Pressure pad is used to determine the applied pressure.It transmits the data to the Arduino which is used to connect he peripherals and receive and transmits the signals to the connected peripherals.  In this project Arduino sends the signals to Different LED’s to show the extent of the pressure applied on the pressure pad.  In this project 6 Leds’s are used to display the extrent of pressure applied on the pressure pad .  Each Led glowing will display the extent of the pressure applied on the pressure pad    **SOURCES:-**  <https://create.arduino.cc/projecthub/ashish21senapati/pressure-pad-interfacing-with-arduino-efacad> |
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