

Also selection of the best sensory alternatives manikin was assembled with the four selected sensors for chest compression assessment, in the previously defined arrangements, and connected to a circuit respectively, the final assembly includes ultrasonic sensor HC-SR04 and infrared sensor VL6180X placed on manikin's back, optical fiber macrobending sensor attached on manikin's metal spring, in a U-shaped conformation, and pressure sensor FSR 402 on center of the manikin's chest. An Arduino script was design to acquire simultaneously readings of all sensors ,It was assured a sampling rate superior to .40 samples per second to avoid aliasing errors in all training conditions