

ABSTRACT

Internet of things is a concept that aims to expand the benefits of continuously connected internet connectivity. As for capabilities such as data sharing, monitoring, remote control, and so on, including objects in the real world. IOT itself is useful to be applied in canteens to regulate room temperature conditions, room light, and so on. Therefore this final project aims to build a prototype of a tool for conditioning temperature, light, and room noise with music that is set automatically or using voice commands with a microphone. which is connected to the raspberry pi 3 model b. As for the temperature and light, it is set using Arduino uno which can run when a canteen temperature condition is >30 degrees Celsius and will turn off automatically when the temperature is <30 and for the light sensor the lights will turn on themselves when the sensor value is <150 or at night while on During the day, the light will turn off automatically if the sensor value is >150, it is useful for canteen traders or buyers in the canteen.

Keywords: Internet of things, canteen, raspberry pi, arduino uno