

IOT Based Thermal Screening using Raspberry Pi

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Abstract: *There are lots of IoT devices now days to monitor the temperature of patient over internet. Health experts are also taking advantage of these smart devices to keep an eye on their patients. With tons of new healthcare technology start-ups, IoT is rapidly revolutionizing the healthcare industry. Here in this project, we will make an IoT based thermal screening using raspberry pi. Is The Internet of Things (IoT) defines that objects are interconnected through wired and wireless networks without user intervention. MLX90614 is a contactless IR temperature sensor. It states that everybody radiates IR radiation proportional to its temperature. This radiation is then measured through the sensor converted to a digital signal and is communicated through the I2C bus and also the body temperature readings are recorded over ThingSpeak.*

Keywords: Raspberry Pi, IoT, MLX90614 temperature Sensor

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