**NETTUR TECHNICAL TRAINING FOUNDATION**

**Synopsis**

**AuraAR**

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**Introduction**

Augmented reality (AR)—a technology with enormous promise—is emerging as the key that will unlock the full potential of the Internet of Things (IoT). AR applications are using the myriad kinds of data generated by IoT devices and components to help employees be more effective and productive.

**Applications**

* Smart cities
* Industrial and agricultural
* Environmental monitoring
* Smart buildings and smart homes
* Hospitals

**Advantages of AuraAR**

* AR increases engagement and interaction and provides a richer user experience.
* IoT acts as a bridge between physical assets and digital infrastructure, while AR brings digital to life by interacting with the physical environment in real time.
* IoT has already gained phenomenal traction among businesses adding the AR dimension to IoT expands its potential.
* AR encompasses a range of systems and technologies that deliver real-time, hands-on guidance to ensure tasks are completed safely, correctly, and efficiently.

**Modules**

* AR Button Controlled (LED)
* AR Light Color Switch
* AR Light Intensity
* AR Heart-rate Monitoring

**Software Requirements**

* Unity 3.1.1
* Vuforia 9.3.1
* Blynk IOT App

**Hardware Requirements**

* Particle Photon
* ESP32/Node MCU board
* Hear-rate sensor
* Philips’s hue