



ARIFA INSTITUTE OF TECHNOLOGY

(Approved by AICTE, New Delhi and Affiliated to Anna University, Chennai)

Arifa Knowledge Village

Esanoor, Keelaiyur Post, Thirukkuvai Taluk, Nagapattinam District - 611103



CENTRE OF EXCELLENCE ON INTERNET OF THINGS (IoT)

S. No.	NAME OF THE EQUIPMENT	SPECIFICATION	QTY
1	Arduino Uno Trainer Kit	Microcontroller: ATmega328P Operating Voltage: 5V Input Voltage: 7-12V Digital I/O Pins: 14 Analog Input Pins: 6	10
2	Raspberry Pi Trainer Kit	Quad-core Cortex-A72 (ARM v8) 64-bit SoC @ 1.5GHz / RAM: 2GB Display Output: 2 × micro-HDMI (up to 4K) Storage: MicroSD card slot	10
3	GSM Module	Frequency Bands: Quad-band (850/900/1800/1900 MHz) Power Supply: 3.4V to 4.4V Interface: UART	10
4	Zigbee Module	Frequency: 2.4 GHz ISM band Range: Up to 120m Indoors, 300m (line of sight) Data Rate: 250 kbps	10
5	Bluetooth	Bluetooth Version: 2.0 + EDR , Range: 10 meters Power Supply: 3.3V to 5V	10

Activities

- ✓ Development of wireless communication solutions
- ✓ Design and integration of IoT systems
- ✓ Training programs and skill enhancement
- ✓ Support for research, development, and innovation


Principal
Arifa Institute of Technology.
Esanoor, Keelaiyur (Po)
Nagapattinam (Dist) - 611 103.