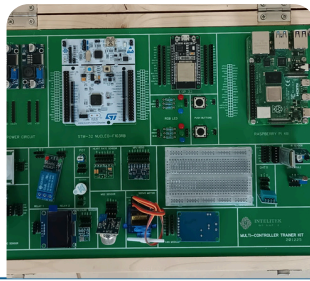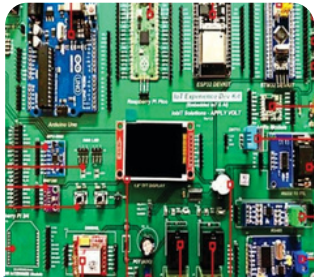# IOT SOLUTIONS

IoT Training Kit using Arduino

IoT Training Kit using Raspberry Pi

IoT Based Multi Controller Kit

IoT Based Smart Home Automation

OBJECTIVES

- Practical Experience: Hands-on training to prepare students for industry - ready IoT roles
- Comprehensive Knowledge: Deep Understanding of IoT principles and best practices.
- Innovation Focus: Encouraging creativity through project-based learning.
- Industry Relevance: Training aligned with current industry trends and demands.
- Accessibility and Impact: Affordable education with a focus on solving real-world challenges.
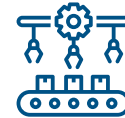
FIELD TRIP TO INDUSTRIES

Agriculture	Automotive	Manufacturing	Retail
Transportation	Healthcare	Building & Construction	Security

OUTCOMES

- **Programming: Python, C, C++, Java.**
- **Platforms: ATmega32, Arduino, STM32, ESP32, Raspberry Pi**
- **Communication Protocols: UART, SPI, I2C, CAN, RS-485**
- **Wireless Communication: Wi-Fi, Bluetooth/BLE, LoRa, GSM/4G**
- **IoT Protocols: MQTT, HTTPS, LoRaWAN**

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CENTRE OF EXCELLENCE

Where Data Meets Intelligence!!

Healthcare IoT Trainer Kit

Traffic Light With Air Pollution Monitoring

IoT Based RFID System

IoT Based Smart Agriculture

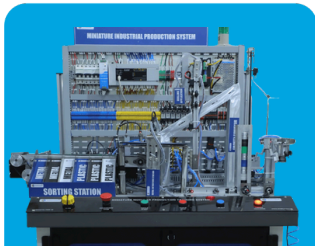**Water Quality Monitoring System**
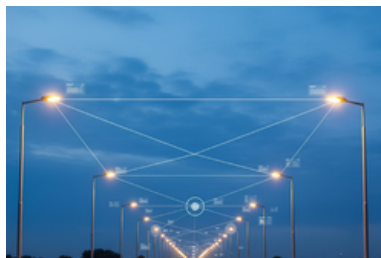
IoT Based Smart Feedback System

IoT Based Weather Monitoring System

IoT Industrial Automation

Connected Car

Smart Street Light

Waste Management System

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