

**Laboratory Name:** Centre of Excellence for IoT and Smart Factory Initiatives

**Venue:** 29103

**Laboratory In-Charge:** Dr. Arun.C.A

**Qualification:** M.E., Ph.D.,

### TECHNICAL MANPOWER

**Laboratory Assistant:** Mr. Y. Balaji

**Qualification:** B.E - ECE

### DESCRIPTION ABOUT THE LABORATORY

- The COE addresses real-time industrial problems through student projects and offers certified courses for students, faculty and industry employees.
- The CoE facilitates rapid prototype development using state-of-the-art infrastructure, supported by the latest technological advancements and strong industry collaboration.
- It promotes the use of cutting-edge technologies to develop innovative solutions and transform prototypes into market-ready, scalable products, contributing to the advancement of IoT and Smart Factory ecosystems.

### LABORATORY SPACE AND STUDENT ALLOCATION

<b>Area of the Laboratory</b>	: 60 sq.m
<b>No. of students per session</b>	: 30
<b>Batch Size</b>	: Single
<b>Weekly Utilization Status</b>	: Open Access for Research & Development Activities

### COST OF THE LABORATORY

**ZF Commercial Vehicle Control System funded worth Rs. 23, 71,786/- under CSR fund category.**

### KEY ACTIVITIES

- VACs, Workshops & Internships
- Hands-on Training on IoT
- Real-Time Industrial Projects
- Consultancy Work
- Industry Expert Talks

### OBJECTIVES

- Provides hands-on experience in IoT system design using industry tools.
- Encourages research in IoT and smart technologies.
- Helps students develop skills required for IoT and embedded industry.
- Supports innovation leading to projects, publications, and patents



### SMART FACTORY SETUP

### PHD SCHOLARS & RESEARCH FOCUS

- Internet of Things (IoT) and Smart Systems
- Industrial IoT and Smart Factory
- Wireless Sensor Networks and Communication Protocols
- AI and Machine Learning for IoT
- Smart Agriculture, Healthcare, and Smart City Applications

### STUDENT BENEFITS

- Hands-on Industry Tool Exposure
- Internship Opportunities
- Certification Programs
- Real-time Project Experience
- Placement Support

