



AICTE APPROVED

**SIRINTEL TECHNOLOGIES PRIVATE LIMITED**

Address: 2696, Tanvi's, 2nd floor, Mama's Joint Road, 2nd Main 3rd Cross Rd, above Peter England showroom, MCC B Block, Davanagere, Karnataka 577004



अखिल भारतीय तकनीकी शिक्षा परिषद्  
All India Council for Technical Education



## **SCADA: SUPERVISORY CONTROL AND DATA ACQUISITION**

### **Week 1: Introduction to SCADA**

- What is SCADA? Overview and Importance.
- Understanding SCADA Architecture and Components.
- Real-world Applications of SCADA Systems.

### **Week 2: SCADA Software Installation**

- SCADA Software Installation Procedure.
- System Requirements and Initial Setup.
- Overview of Common SCADA Software Platforms.

### **Week 3: Introduction to InTouch SCADA Software**

- Introduction to InTouch SCADA Software.
- Overview of the InTouch Interface and Features.
- Understanding the Workflow in InTouch SCADA.

### **Week 4: Creating a New Project in SCADA**

- How to Create a New Project in SCADA.
- Project Setup and Configuration.
- Saving and Managing SCADA Projects.

### **Week 5: Menus and Wizards in SCADA**

- Exploring Menus and Wizards in SCADA Software.
- Using Wizards for Quick Project Development.
- Customizing the SCADA Interface.

### **Week 6: Tag Creation in SCADA Software**

- Understanding Tags in SCADA.
- How to Create Tags in SCADA Software.

+91-8971279127



sirintel.fec@gmail.com



**SIRINTEL TECHNOLOGIES PVT LTD**  
Address: 2696, Tanvi's, 2nd floor, Mama's Joint Road,  
2nd Main 3rd Cross Rd, above Peter England showroom,  
MCC B Block, Davanagere, Karnataka 577004

AICTE ID: COPRPORATE6123bb416b86f1629731649  
ISO:9001:2015 [www.sirintel.com](http://www.sirintel.com)



AICTE APPROVED

**SIRINTEL TECHNOLOGIES PRIVATE LIMITED**

Address: 2696, Tanvi's, 2nd floor, Mama's Joint Road, 2nd Main 3rd Cross Rd, above Peter England showroom, MCC B Block, Davanagere, Karnataka 577004



अखिल भारतीय तकनीकी शिक्षा परिषद्  
All India Council for Technical Education



- Managing and Organizing Tags.

#### **Week 7: Digital Input/Output Example**

- Working with Digital Inputs and Outputs in SCADA.
- Creating and Configuring Digital IO Tags.
- Example Project: Implementing Digital IO.

#### **Week 8: Analog Input/Output Example**

- Introduction to Analog Inputs and Outputs in SCADA.
- Creating and Configuring Analog IO Tags.
- Example Project: Implementing Analog IO.

#### **Week 9: Push Button Example in SCADA**

- Creating and Configuring Push Buttons in SCADA.
- Implementing Push Button Controls.
- Example Project: Basic Control System using Push Buttons.

#### **Week 10: Symbol Factory and Page Navigation**

- Introduction to Symbol Factory in SCADA Software.
- Using Symbol Factory to Enhance SCADA Graphics.
- Implementing Page Navigation in SCADA Graphics.

#### **Week 11: Object Movements and Animations**

- Location Movement in SCADA Graphics.
- Vertical and Diagonal Movement of Objects.
- Visibility Concept and Blink Animation.

#### **Week 12: Advanced Animation and User Inputs**

- Orientation Animation in SCADA.
- Disable Function in SCADA.

+91-8971279127



sirintel.fec@gmail.com



**SIRINTEL TECHNOLOGIES PVT LTD**  
Address: 2696, Tanvi's, 2nd floor, Mama's Joint Road,  
2nd Main 3rd Cross Rd, above Peter England showroom,  
MCC B Block, Davanagere, Karnataka 577004

AICTE ID: COPRPORATE6123bb416b86f1629731649  
ISO:9001:2015 [www.sirintel.com](http://www.sirintel.com)





AICTE APPROVED

**SIRINTEL TECHNOLOGIES PRIVATE LIMITED**

Address: 2696, Tanvi's, 2nd floor, Mama's Joint Road, 2nd Main 3rd Cross Rd, above Peter England showroom, MCC B Block, Davanagere, Karnataka 577004



अखिल भारतीय तकनीकी शिक्षा परिषद्  
All India Council for Technical Education



- Implementing User Inputs: Discrete, Analog, and String.

### **Week 13: Touch Pushbuttons and Alarms**

- Working with Touch Pushbuttons: Discrete Values, Actions.
- Implementing Alarms in SCADA.
- Configuring Alarm Notifications and Responses.

### **Week 14: Scripting in SCADA**

- What is Application Script in SCADA?
- How to Write and Implement Window Scripts in SCADA.
- Introduction to Dynamic Data Exchange (DDE) in SCADA.

### **Week 15: SCADA Crane Simulation and GUI Development**

- Developing a SCADA Crane Simulation.
- Designing a User-Friendly GUI for the Simulation.
- Final Project: Implementing and Testing the SCADA System.

**SIRINTEL**<sup>TM</sup>  
TECHNOLOGY BY INNOVATORS

+91-8971279127



sirintel.fec@gmail.com



**SIRINTEL TECHNOLOGIES PVT LTD**  
**WWW.SIRINTEL.COM**

**SIRINTEL TECHNOLOGIES PVT LTD**  
Address: 2696, Tanvi's, 2nd floor, Mama's Joint Road,  
2nd Main 3rd Cross Rd, above Peter England showroom,  
MCC B Block, Davanagere, Karnataka 577004

**AICTE ID: COPRPORATE6123bb416b86f1629731649**  
**ISO:9001:2015** **www.sirintel.com**