



## NTHRYS WORKSHOPS

# Advanced Techniques In Embedded Systems

### **8:45 AM - 10:15 AM: Session 1: Advanced Embedded Programming**

Introduction to advanced programming techniques for embedded systems.  
Hands-on session on using advanced microcontrollers and processors.  
Practical demonstration of complex embedded applications.

### **10:15 AM - 10:30 AM: Coffee / Tea / Snacks Break**

Networking and refreshments.

### **10:30 AM - 12:00 PM: Session 2: Embedded Systems Security**

Exploring the principles of security in embedded systems.  
Workshop on implementing security measures in embedded software.  
Case studies on addressing security challenges in embedded systems.

### **12:00 PM - 1:00 PM: Lunch Break**

Catered lunch and networking opportunity.

### **1:00 PM - 2:30 PM: Session 3: Embedded Systems for IoT**

Interactive session on designing embedded systems for the Internet of Things (IoT).

Hands-on training on integrating sensors and actuators.  
Practical use of communication protocols in IoT applications.

### **2:30 PM - 2:45 PM: Short Break**

Time for a stretch and informal discussions.

### **2:45 PM - 4:15 PM: Session 4: Low-Power Design Techniques**

Workshop on designing low-power embedded systems.  
Practical techniques for optimizing power consumption.  
Case studies on successful low-power embedded projects.

### **4:15 PM - 4:30 PM: Coffee / Tea / Snacks Break**

Last networking opportunity with snacks.

### **4:30 PM - 5:30 PM: Closing Session: Implementing Changes and Technology Adoption**

Group discussions on implementing new techniques learned today.  
Dialogue on overcoming challenges in adopting new technologies in similar sectors.  
Feedback session and closing remarks.

**Certificate Issue**

### **5:30 PM: Workshop Concludes**