



## NTHRYS WORKSHOPS

# Practical Techniques In Robotics

### 8:45 AM - 10:15 AM: Session 1: Introduction to Robotics

Overview of robotics and its applications.  
Techniques for designing and building robots.  
Case studies on robotics projects.

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

Networking and refreshments.

### 10:30 AM - 12:00 PM: Session 2: Robot Kinematics and Dynamics

Understanding robot kinematics and dynamics.  
Practical session on modeling and simulating robot movements.  
Techniques for optimizing robot performance.

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

Catered lunch and networking opportunity.

### 1:00 PM - 2:30 PM: Session 3: Robot Control Systems

Introduction to control systems in robotics.

Practical demonstration of various control techniques.  
Case studies on control system applications.

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

Time for a stretch and informal discussions.

### **2:45 PM - 4:15 PM: Session 4: Case Studies and Applications**

Review of significant case studies in robotics.  
Applications in manufacturing, healthcare, and exploration.  
Future trends and research directions.

### **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**