



## NTHRYS WORKSHOPS

# Advanced Techniques In Robotics

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

Advanced techniques for robot programming.  
Practical session on using ROS (Robot Operating System).  
Troubleshooting and optimizing robot software.

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

Networking and refreshments.

### **10:30 AM - 12:00 PM: Session 2: Artificial Intelligence in Robotics**

Overview of AI applications in robotics.  
Practical session on implementing AI algorithms.  
Case studies on AI-powered robots.

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

Catered lunch and networking opportunity.

### **1:00 PM - 2:30 PM: Session 3: Autonomous Robots**

Using robotics for autonomous systems.

Practical session on developing autonomous navigation.  
Case studies on autonomous robot applications.

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

Time for a stretch and informal discussions.

### **2:45 PM - 4:15 PM: Session 4: Biotechnology in Robotics**

Strategies for integrating biotechnology in robotics.  
Case studies on biotechnological applications.  
Future trends and challenges in the field.

### **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**