



## Bionics Workshops

# Bionics Workshops

NTHRYS BIOTECH LABS provides a diverse array of workshops in the realm of Bionics. Explore our comprehensive offerings below

[Bionics Workshops Application Process](#)

[Back to All Workshops](#)

## Explore the Essence of Bionics: Your Pathway to Discovery!

1. [Workshop in Introduction to BionicsPDF](#)
2. [Workshop in Advanced Techniques in BionicsPDF](#)
3. [Workshop in Emerging Trends in BionicsPDF](#)

### 1. Workshop in Introduction to Bionics

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**Date:** Pre Selected Date

**Fee:** Rs 6000/-

**Duration:** One Day

**Mode:** Offline and Virtual

**Location for Offline:** NBL Cherlapalli IDA Branch

**Facilitator(s):** NTHRYS TEAM

**8:00 AM - 8:30 AM: Registration and Welcome Coffee**

Participants arrive, register, and network over coffee.

**8:30 AM - 8:45 AM: Opening Remarks**

Welcome by the host.

Brief overview of today's focus.

**8:45 AM - 10:15 AM: Session 1: Basics of Bionics**

Overview of bionics and its significance.

Introduction to the principles of integrating biological and artificial systems.

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

Networking and refreshments.

**10:30 AM - 12:00 PM: Session 2: Bionic Prosthetics and Implants**

Hands-on training on the design and function of bionic prosthetics.

Practical session on developing and testing bionic implants.

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

Catered lunch and networking opportunity.

**1:00 PM - 2:30 PM: Session 3: Neural Interfaces and Control Systems**

Overview of neural interfaces and control systems in bionics.

Practical exercises on interfacing biological tissue with electronic devices.

**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 in Bionics**

Discussion on real-world case studies in bionics.

Analysis of successful bionic applications in healthcare and industry.

**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**

## **2. Workshop in Advanced Techniques in Bionics**

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**Date:** Pre Selected Date

**Fee:** Rs 6000/-

**Duration:** One Day

**Mode:** Offline and Virtual

**Location for Offline:** NBL Cherlapalli IDA Branch

**Facilitator(s):** NTHRYS TEAM

### **8:00 AM - 8:30 AM: Registration and Welcome Coffee**

Participants arrive, register, and network over coffee.

### **8:30 AM - 8:45 AM: Opening Remarks**

Welcome by the host.  
Brief overview of today's focus.

### **8:45 AM - 10:15 AM: Session 1: Advanced Bionic Prosthetics**

Introduction to advanced techniques in bionic prosthetics.  
Practical demonstration of myoelectric and biomechanical prosthetics.

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

Networking and refreshments.

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

Overview of biohybrid systems and their applications.

Hands-on workshop on creating biohybrid devices integrating living cells and artificial materials.

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

Catered lunch and networking opportunity.

### **1:00 PM - 2:30 PM: Session 3: Bionic Sensory Systems**

Introduction to sensory systems in bionics.

Practical session on developing and testing artificial sensory devices.

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

Time for a stretch and informal discussions.

### **2:45 PM - 4:15 PM: Session 4: Regulatory and Ethical Considerations**

Discussion on regulatory and ethical issues in bionics.

Case studies on navigating regulatory requirements and ethical dilemmas in bionics research and application.

### **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**

## **3. Workshop in Emerging Trends in Bionics**

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**Date:** Pre Selected Date

**Fee:** Rs 6000/-

**Duration:** One Day

**Mode:** Offline and Virtual

**Location for Offline:** NBL Cherlapalli IDA Branch

**Facilitator(s):** NTHRYS TEAM

**8:00 AM - 8:30 AM: Registration and Welcome Coffee**

Participants arrive, register, and network over coffee.

**8:30 AM - 8:45 AM: Opening Remarks**

Welcome by the host.

Brief overview of today's focus.

**8:45 AM - 10:15 AM: Session 1: Wearable Bionics**

Introduction to wearable bionic technologies.

Practical session on designing and testing wearable bionic devices for health monitoring and enhancement.

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

Networking and refreshments.

**10:30 AM - 12:00 PM: Session 2: Bionics in Rehabilitation**

Overview of bionics applications in rehabilitation.

Hands-on workshop on developing bionic systems for physical therapy and rehabilitation.

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

Catered lunch and networking opportunity.

**1:00 PM - 2:30 PM: Session 3: AI and Machine Learning in Bionics**

Discussion on the integration of AI and machine learning in bionics.

Practical exercises on using AI for control and optimization of bionic devices.

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

Time for a stretch and informal discussions.

**2:45 PM - 4:15 PM: Session 4: Future Directions in Bionics**

Exploration of future trends and innovations in bionics.

Case studies on cutting-edge research and its impact on the future of bionics.

**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**

Note: NTHRYS Management reserves the right to modify the workshop module at any time without prior notice. Registered or enrolled candidates will receive the module that is current on the day of enrollment.

**NTHRYS Workshops Department**

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**Bionics Workshops Application Process**

1. Select a workshop from the list.
2. Contact via whatsapp on the number present above to request fee details and dates suitable for joining. Alternatively, you can send an email to workshops ( a t ) nthrys [ d o t ] com.
3. Our Workshop department will contact you promptly to provide further assistance.