Robotics Workshops

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

Robotics Workshops Application Process
Back to All Workshops

Robotics Breakthroughs Await: Choose Your Path!

1. Workshop in Practical Techniques in RoboticsPDF
2. Workshop in Advanced Techniques in RoboticsPDF
3. Workshop in Emerging Technologies in RoboticsPDF
4. Workshop in Robotics in HealthcarePDF
5. Workshop in Integrative Approaches in RoboticsPDF

1. Workshop in Practical Techniques in Robotics

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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: 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

2. Workshop in Advanced Techniques in Robotics

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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 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

3. Workshop in Emerging Technologies in Robotics

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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: Nanorobotics

Introduction to nanorobotics and its applications.
Techniques for designing and building nanorobots.
Hands-on session with nanorobotics tools.

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

Networking and refreshments.

10:30 AM - 12:00 PM: Session 2: High-Throughput Screening

Using high-throughput screening in robotics.
Practical session on setting up and running screening assays.
Troubleshooting and optimizing screening processes.

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

Catered lunch and networking opportunity.

1:00 PM - 2:30 PM: Session 3: Integrative Approaches

Combining robotics with other technologies.
Case studies on integrative approaches.
Practical session on multi-disciplinary 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: Future Directions

Emerging trends and technologies in robotics.
Discussion on potential breakthroughs and innovations.
Networking session for collaborative research opportunities.

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

4. Workshop in Robotics in Healthcare

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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: Surgical Robotics

Introduction to surgical robotics.
Case studies on robotic surgery applications.
Practical session on using surgical robots.

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

Networking and refreshments.

10:30 AM - 12:00 PM: Session 2: Rehabilitation Robotics

Techniques for developing rehabilitation robots.
Case studies on assistive technology.
Practical session on designing and testing rehabilitation robots.

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

Catered lunch and networking opportunity.

1:00 PM - 2:30 PM: Session 3: Diagnostic Robotics

Using robotics for diagnostics in healthcare.
Case studies on diagnostic robot applications.
Practical session on implementing diagnostic robotics.

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

Time for a stretch and informal discussions.

2:45 PM - 4:15 PM: Session 4: Future Challenges in Healthcare Robotics

Discussion on future challenges and opportunities in robotics for healthcare.
Strategies for addressing these challenges.
Networking session for collaborative solutions.

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

5. Workshop in Integrative Approaches in Robotics

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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: Multi-Disciplinary Data Integration

Introduction to multi-disciplinary data integration.
Practical session on combining data from various fields.
Case studies on integrative approaches.

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

Networking and refreshments.

10:30 AM - 12:00 PM: Session 2: Robotics and Ecology

Exploring the intersection of robotics and ecology.
Case studies on ecological applications.
Practical session on ecological data analysis.

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

Catered lunch and networking opportunity.

1:00 PM - 2:30 PM: Session 3: Computational Tools and Resources

Overview of computational tools for robotics.
Hands-on session with popular software and databases.
Discussion on best practices and resources.

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

Time for a stretch and informal discussions.

2:45 PM - 4:15 PM: Session 4: Future Trends and Collaborations

Discussion on future trends in robotics.
Strategies for fostering collaborations.
Networking session for potential partnerships.

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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Robotics 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 0 t] com.
3. Our Workshop department will contact you promptly to provide further assistance.