



Bioengineering Workshops

Bioengineering Workshops

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

[Bioengineering Workshops Application Process](#)

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Chart Your Bioengineering Course: Interactive Workshop Choices!

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

1. Workshop in Introduction to Bioengineering

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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 Bioengineering

Overview of bioengineering and its significance.

Introduction to the principles and applications of bioengineering.

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

Networking and refreshments.

10:30 AM - 12:00 PM: Session 2: Biomaterials and Tissue Engineering

Hands-on training on biomaterials and their use in tissue engineering.

Practical session on designing and fabricating biomaterials.

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

Catered lunch and networking opportunity.

1:00 PM - 2:30 PM: Session 3: Biomedical Devices and Instrumentation

Overview of biomedical devices and their design.

Practical exercises on developing and testing biomedical instruments.

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 Bioengineering

Discussion on real-world case studies in bioengineering.

Analysis of bioengineering projects 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 Bioengineering

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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: Genetic and Cellular Engineering

Introduction to genetic and cellular engineering techniques.
Practical demonstration of CRISPR and stem cell technologies.

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

Networking and refreshments.

10:30 AM - 12:00 PM: Session 2: Biofabrication and 3D Printing

Overview of biofabrication methods and 3D printing in bioengineering.
Hands-on workshop on using 3D printers for biological applications.

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

Catered lunch and networking opportunity.

1:00 PM - 2:30 PM: Session 3: Computational Bioengineering

Introduction to computational tools in bioengineering.
Practical session on modeling biological systems and data analysis.

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

Time for a stretch and informal discussions.

2:45 PM - 4:15 PM: Session 4: Biomechanics and Biorobotics

Discussion on the principles of biomechanics and biorobotics.
Case studies on designing and testing robotic systems for biological applications.

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 Bioengineering

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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: Synthetic Biology

Introduction to synthetic biology and its applications in bioengineering.

Practical session on designing and constructing synthetic biological systems.

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

Networking and refreshments.

10:30 AM - 12:00 PM: Session 2: Bioengineering for Regenerative Medicine

Overview of regenerative medicine and bioengineering techniques.

Hands-on workshop on developing regenerative therapies.

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

Catered lunch and networking opportunity.

1:00 PM - 2:30 PM: Session 3: Environmental Bioengineering

Discussion on the applications of bioengineering in environmental protection.

Practical exercises on designing systems for bioremediation and pollution control.

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 Bioengineering

Exploration of future trends and innovations in bioengineering.

Case studies on cutting-edge research and its impact on bioengineering practices.

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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Bioengineering 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.