



Medical Physics Workshops

Medical Physics Workshops

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

[Medical Physics Workshops Application Process](#)

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Explore the Essence of Medical Physics: Your Pathway to Discovery!

1. [Workshop in Introduction to Medical PhysicsPDF](#)
2. [Workshop in Advanced Techniques in Medical PhysicsPDF](#)
3. [Workshop in Medical Physics in Biomedical ResearchPDF](#)
4. [Workshop in Innovations in Medical PhysicsPDF](#)
5. [Workshop in Ethical and Regulatory Perspectives in Medical PhysicsPDF](#)

1. Workshop in Introduction to Medical Physics

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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 Medical Physics

Overview of medical physics principles and applications.

Hands-on session on the study of physical processes in the human body.

Introduction to the importance of medical physics in healthcare.

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

Networking and refreshments.

10:30 AM - 12:00 PM: Session 2: Diagnostic Imaging

Interactive session on diagnostic imaging techniques.

Workshop on using X-rays, MRI, and ultrasound for medical imaging.

Practical demonstration of diagnostic imaging methods.

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

Catered lunch and networking opportunity.

1:00 PM - 2:30 PM: Session 3: Radiation Therapy

Exploring radiation therapy techniques and their clinical significance.

Hands-on training on using radiation for cancer treatment.

Case studies on the role of radiation therapy in medical treatments.

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

Time for a stretch and informal discussions.

2:45 PM - 4:15 PM: Session 4: Clinical Applications of Medical Physics

Workshop on the applications of physics in clinical settings.

Practical techniques for using physical principles in patient care.

Case studies on the impact of medical physics on healthcare.

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 Medical Physics

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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 Imaging Techniques

Introduction to advanced imaging techniques in medical physics.

Hands-on session on using PET, CT, and other advanced imaging methods.
Practical demonstration of advanced imaging applications.

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

Networking and refreshments.

10:30 AM - 12:00 PM: Session 2: Radiation Protection and Safety

Exploring radiation protection and safety in medical physics.
Workshop on using protective measures to ensure patient and staff safety.
Case studies on the applications of radiation protection in healthcare.

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

Catered lunch and networking opportunity.

1:00 PM - 2:30 PM: Session 3: Dosimetry and Treatment Planning

Hands-on session on dosimetry and treatment planning.
Exploring techniques for measuring and planning radiation doses.
Practical applications of dosimetry in cancer treatment.

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

Time for a stretch and informal discussions.

2:45 PM - 4:15 PM: Session 4: Biomedical Optics

Workshop on the study of biomedical optics in medical physics.
Practical techniques for using optical methods in diagnostics and therapy.
Case studies on the role of biomedical optics in healthcare.

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 Medical Physics in Biomedical Research

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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: Role of Medical Physics in Disease Research

Overview of the importance of medical physics in disease research.

Hands-on session on studying disease mechanisms using physical techniques.

Case studies on the impact of medical physics in biomedical research.

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

Networking and refreshments.

10:30 AM - 12:00 PM: Session 2: Medical Physics in Cancer Research

Exploring the role of medical physics in cancer research.

Workshop on using physical techniques to study and treat cancer.

Case studies on the applications of medical physics in cancer therapy.

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

Catered lunch and networking opportunity.

1:00 PM - 2:30 PM: Session 3: Medical Physics in Imaging and Diagnostics

Hands-on session on the use of medical physics in imaging and diagnostics.

Exploring techniques for improving diagnostic accuracy.

Practical applications of medical physics in developing new diagnostic tools.

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

Time for a stretch and informal discussions.

2:45 PM - 4:15 PM: Session 4: Clinical Applications of Medical Physics

Workshop on translating medical physics research into clinical practice.

Practical techniques for using physical data in clinical settings.

Case studies on the impact of medical physics on medical treatments.

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 Innovations in Medical Physics

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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: Emerging Technologies in Medical Physics

Introduction to emerging technologies in medical physics.

Hands-on session on using advanced tools and techniques in physical research.

Case studies on innovative applications of new technologies in medical physics.

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

Networking and refreshments.

10:30 AM - 12:00 PM: Session 2: AI and Machine Learning in Medical Physics

Exploring the role of AI and machine learning in medical physics.

Workshop on developing predictive models using AI and ML.

Case studies on the applications of AI in enhancing physical research.

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

Catered lunch and networking opportunity.

1:00 PM - 2:30 PM: Session 3: Integrative Omics in Medical Physics

Hands-on session on integrating multi-omics data in medical physics.

Exploring techniques for combining genomics, proteomics, and metabolomics.

Practical applications of integrative omics in biomedical research.

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 Medical Physics

Discussion on emerging trends and future directions in medical physics.

Workshop on integrating new technologies in physical research.

Case studies on the potential impact of future innovations in medical physics.

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 Ethical and Regulatory Perspectives in Medical Physics

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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: Ethical Considerations in Medical Physics Research

Overview of ethical issues in medical physics research.

Case studies on ethical dilemmas in studying physical processes.

Workshop on addressing ethical considerations in medical physics research.

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

Networking and refreshments.

10:30 AM - 12:00 PM: Session 2: Regulatory Frameworks for Medical Physics

Exploring regulatory guidelines and requirements for medical physics research.

Case studies on navigating regulatory challenges.

Workshop on understanding international regulatory frameworks.

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

Catered lunch and networking opportunity.

1:00 PM - 2:30 PM: Session 3: Public Perception and Communication

Workshop on improving public understanding of medical physics research.

Techniques for effective science communication.

Case studies on public engagement and education initiatives.

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

Time for a stretch and informal discussions.

2:45 PM - 4:15 PM: Session 4: Policy and Planning for Medical

Physics

Discussion on policy and planning for sustainable medical physics research.
Case studies on effective policies and planning strategies.
Workshop on integrating ethical and social considerations in medical physics research.

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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Medical Physics 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.