Mechatronics In Biomedical Research

8:45 AM - 10:15 AM: Session 1: Role of Mechatronics in Biomedical Research

Overview of the importance of mechatronics in biomedical research.
Hands-on session on developing biomedical devices using mechatronics.
Case studies on the impact of mechatronics in biomedical research.

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

Networking and refreshments.

10:30 AM - 12:00 PM: Session 2: Mechatronics in Medical Robotics

Exploring the role of mechatronics in medical robotics.
Workshop on designing and programming medical robots.
Case studies on the applications of mechatronics in surgery and rehabilitation.

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

Catered lunch and networking opportunity.

1:00 PM - 2:30 PM: Session 3: Mechatronics in Prosthetics

Hands-on session on the use of mechatronics in developing prosthetics.

Exploring techniques for designing and testing prosthetic devices.
Practical applications of mechatronics in improving prosthetic functionality.

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 Mechatronics

Workshop on translating mechatronics research into clinical practice.
Practical techniques for using mechatronic devices in clinical settings.
Case studies on the impact of mechatronics on patient care and treatment.

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