

NTHRYS WORKSHOPS

Introduction To Mechatronics

8:45 AM - 10:15 AM: Session 1: Basics of Mechatronics

Overview of mechatronics principles and applications. Hands-on session on integrating mechanical, electrical, and computer systems. Introduction to the importance of mechatronics in modern engineering.

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

Networking and refreshments.

10:30 AM - 12:00 PM: Session 2: Sensors and Actuators

Interactive session on sensors and actuators in mechatronics. Workshop on using various types of sensors and actuators. Practical demonstration of sensor integration in mechatronic systems.

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

Catered lunch and networking opportunity.

1:00 PM - 2:30 PM: Session 3: Microcontrollers and Programming

Exploring techniques for programming microcontrollers in mechatronics.

Hands-on training on using microcontrollers like Arduino and Raspberry Pi. Case studies on the application of microcontrollers in mechatronics projects.

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

Time for a stretch and informal discussions.

2:45 PM - 4:15 PM: Session 4: System Integration and Testing

Workshop on integrating and testing mechatronic systems. Practical techniques for system integration and troubleshooting. Case studies on the role of system integration in successful mechatronics projects.

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