

# Mechanics for Robotics Seminar 2024

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**Event Name:** Robotics Seminar 2024

**Date:** November 20, 2024

**Time:** 12:30 PM – 5:00 PM

**Venue:** Colegio de Muntinlupa (CDM), Posadas Avenue, Sucat, Muntinlupa City

- **Professional Session:** CDM Library Extension Room
  - **Student Session:** CDM Audio-Visual Room
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## 1. Event Overview

The 2024 Robotics Seminar is a key sub-event of the Muntinlupa City Robotics Fair and Emerging Technology Exhibit. It will be held on November 20, 2024, from 1:00 PM to 5:00 PM, featuring two parallel sessions. The seminar will highlight the intersection of robotics, technology, and sustainability with the goal of fostering collaboration between students, professionals, MSMEs, and the public sector.

## 2. Objectives

- To promote awareness and understanding of the role of robotics in driving sustainable economic development.
- To provide practical insights into how emerging technologies can improve industry operations, especially for MSMEs.
- To inspire the next generation of innovators by showcasing real-world applications of robotics in sustainable industries.
- To create a platform for knowledge sharing and networking among students, industry leaders, and policymakers.

## 3. Parallel Sessions

### A. Professional Session

**Venue:** CDM Library Extension Room

**Audience:** 70 participants from MSMEs, public sector personnel, and private sectors.

**Speakers:**

- Two experts from the private and public sectors specializing in robotics for cybersecurity, e-commerce, and MSME-related technological advancements.

### **Key Components:**

- **Expert Presentations:** Focus on how MSMEs can utilize robotics for enhancing productivity and sustainability.
- **Case Studies:** Real-world examples of successful robotics integration in MSMEs and public sector initiatives.
- **Interactive Discussion:** Participants will engage in discussions on the applications of robotics in their respective fields, exploring its benefits and challenges.

### **B. Student Session**

**Venue:** CDM Audio-Visual Room

**Audience:** 200 students from Metro Manila and CALABARZON.

#### **Speakers:**

- Three experts from the academe, government, and private sector specializing in robotics, artificial intelligence, and emerging technologies for sustainable industries and the green economy.

### **Key Components:**

- **Expert Talks:** Topics will include the future of robotics in sustainable industries and opportunities for students to contribute to the green economy.
- **Interactive Q&A:** Students will be able to ask questions and engage in in-depth discussions with the speakers.
- **Practical Insights:** Case studies and examples will show the impact of robotics on environmental sustainability.

## **4. Rationale**

The Robotics Seminar seeks to address pressing environmental and economic challenges by exploring the role of robotics, artificial intelligence, and emerging technologies in assisting for an inclusive and sustainable development. With rapid advancements in technology, robotics offers significant potential to transform industries, reduce environmental impact, and open new economic opportunities. The seminar aims to provide insights and instill innovation among different segments of society by holding separate sessions for students and professionals.

## **5. Target Audience**

### **Student Session:**

- College students from engineering, technology, computer science, and related fields.
- Individuals interested in innovation, robotics, and sustainability.

- Aspiring innovators looking to explore career opportunities in robotics and automation.

#### **Professional Session:**

- MSME owners and managers from industries where robotics can enhance productivity and sustainability.
- Public sector personnel involved in policy-making, economic development, or sustainability initiatives.

### **6. Registration Procedure**

1. All participants must register online through the designated link for the 2024 Muntinlupa City Virtual Robotics Fair and Exhibits.
2. Select the event "Robotics Seminar" on the landing page.
3. Indicate if you are registering for the Student or Professional Session.
4. Upon submission, participants will receive a confirmation email with further instructions.

### **7. Event Guidelines**

1. **Eligibility:** The event is open to college students, MSME owners, private employees, and public sector personnel with an interest in robotics, artificial intelligence, and sustainable development.
2. **Registration:** Participants are required to pre-register via the provided registration link. Walk-ins will not be allowed. Be at the venue by 12:30 PM for the registration proper. Bring a valid identification card.
3. **Event Time:**
  - **Student Session:** 1:00 PM - 5:00 PM
  - **Professional Session:** 1:00 PM - 5:00 PM
  - Participants are expected to be at the venue 30 minutes before the event to avoid disruptions.
4. **Attire:** Business casual for professionals and appropriate academic attire or smart casual for students.
5. **Q&A Protocol:**
  - For both sessions, Q&A will be held after the presentations.
  - Students and professionals are encouraged to prepare questions beforehand.

6. **Certificates:** Participants who complete the seminar will receive a digital certificate of participation.

## **8. Contact Information**

For inquiries, please contact the 2024 Robotics Seminar Head, Engr. Paolo Yves L. De Silos at [pdesilos@cdm.edu.ph](mailto:pdesilos@cdm.edu.ph)