



DISCOUNTS ARE AVAILABLE

ROBOTIC STRUCTURES

**COURSE FEE
RS: 14,400/-**



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**START COURSE FROM
17-AUG-2024
(DURATION 18HR)**

INTRODUCTION:

Discover the fascinating world of Robotic Structures in our comprehensive course. Learn about the design, construction, and operation of various robotic systems. Explore the principles of robotics and gain hands-on experience in building and programming robotic structures. This course is designed for enthusiasts and aspiring engineers who want to delve into the realm of robotics.

COURSE CONTENT:

1. Introduction to Robotics:
2. Overview of robotics and its applications.
3. Understanding the components and principles of robotic structures.
4. Kinematics and Mechanisms:
5. Principles of kinematics and motion in robotic systems.
6. Analysis of robotic mechanisms and their applications.
7. Robot Design and Construction:
8. Design considerations for building robotic structures.
9. Hands-on experience in constructing robotic systems.
10. Sensors and Actuators in Robotics:
11. Exploration of sensors for perception and feedback in robots.
12. Actuators for motion control and manipulation in robotic structures.
13. Robot Programming:
14. Introduction to robot programming languages and environments.
15. Implementing control algorithms and programming robotic structures.

OBJECTIVE

- Learn the principles of kinematics and mechanisms in robotics.
- Acquire the skills to design and construct robotic systems.
- Understand the role of sensors and actuators in robotic structures.
- Develop programming expertise for controlling robotic structures.

LEARNING OUTCOMES

- By the end of this course, participants will be able to:
- Apply kinematics and mechanisms in the design and analysis of robotic systems.
- Build functional robotic structures using mechanical components.
- Program and control robotic structures using appropriate languages and algorithms.

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