



Robotics

Description:

The Introduction to Robotics Specialization covers the fundamentals of robot flight and movement, as well as how robots detect their surroundings and alter their movements to avoid obstacles, negotiate tough terrains, and complete complicated jobs like construction and disaster response. You'll learn about real-world examples of how robots have been used in disasters, how they've improved human health care, and what their future capabilities will be. The courses lead up to a capstone in which you'll learn how to programme a robot to execute various tasks like flying and gripping objects.

Start Date:

Doubt Clear Time:

Course Time:

Features:

- # Live instructor led classess
- # Completion certificate
- # Integrate academic knowledge with the tech
- # Real-time Project
- # Live Class Recording
- # Doubt Clearing
- # Assignment in all the Module
- # Quiz in every Module
- # Career Counselling
- # Completion Certificate

What we learn:

- # Introduction
- # Essential Tools Basics
- # Robot Car
- # Introduction to Bluetooth
- # Project: Bluetooth Robot Car

Requirements:

- # System with Internet Connection
- # Interest to learn
- # Dedication

Instructor:

>Introduction:

>>What is Robotics?

>>Components Required

>Essential Tools Basics:

>>What is a breadboard?

>>Using a Breadboard

>>Using a Multimeter

>>Using jumper wires

>>Soldering Basics

>>Servo Motor

>>Dc motor

>>Stepper Motor

>Robot Car:

>>Components of Robot car

>>Assembly of the car

>>Coding

>>Testing

>Introduction to Bluetooth :

>>Components Using Bluetooth

>>Bluetooth module basics

>>Bluetooth Coding & Output

>Project: Bluetooth Robot Car:

>>Components of Bluetooth Car

>>Assembly

>>Coding

>>Testing