Mindluster Platform

About the course Intelligent control of robotic systems

Course Presenter : IIT Roorkee July 2018

Discover the transformative power of Artificial Intelligence with our comprehensive Online Course on Intelligent Control of Robotic Systems. Designed for professionals and aspiring engineers in the Middle East, particularly Saudi Arabia and the UAE, this training course offers in-depth knowledge and practical skills essential for mastering intelligent control techniques in robotics. By completing this certified course, you will enhance your professional profile and open new avenues for career growth in the rapidly evolving field of AI-powered automation. Throughout this course, you will learn to implement advanced AI algorithms for controlling robotic systems efficiently and safely. The curriculum covers fundamental concepts as well as cutting-edge applications, ensuring you gain a thorough understanding of intelligent control strategies. Key topics include machine learning integration, sensor data processing, autonomous decision-making, and real-time system optimization. This course is ideal for engineers, software developers, automation specialists, and technology enthusiasts seeking to elevate their expertise in artificial intelligence and robotics. Whether you aim to advance your current career or transition into a high-demand tech field, this training provides the essential skills needed to succeed. Choosing this online platform for your training ensures you receive a trusted, flexible, and professionally curated learning experience. Our expert instructors are industry leaders with extensive practical experience, guiding you through real-world applications and case studies. Upon successful completion, you will earn a recognized certificate that validates your skills and enhances your employability within the Middle East and beyond. Career opportunities after completing this course include roles such as Robotics Engineer, Automation Specialist, AI Developer, Control Systems Engineer, and Research Scientist in artificial intelligence and robotics. These roles are in high demand across industries including manufacturing, healthcare, defense, and smart infrastructure development. Enroll today to gain a certified qualification that will boost your professional skills, accelerate your career growth, and prepare you for innovative roles in the future of automation and AI technology. This training course is your gateway to becoming a leader in the intelligent control of robotic systems. IIT Roorkee July 2018

Artificial Intelligence Category's Courses

Course Lesson(21)

Lesson 1 : **Lecture 20 Path Planning of Robotic Needle**

Lesson 2 : **Lecture 19 Sampling based Path Planning Methods**

Lesson 3 : **Lecture 18 Introduction to Path Planning**

Lesson 4 : **Lecture 17 Introduction to Search Methods**

Lesson 5 : **Lecture 16 Introduction to Reinforcement Learning**

Lesson 6 : **Lecture 15 NN based Hybrid Force Position Control of Robot Manipulator**

Lesson 7 : **Lecture 14 Robust RBFN**

Lesson 8 : **Lecture 13 Neural Network based Feedback Linearization**

Lesson 9 : **Lecture 12 Neural Adaptive Control of Robotics Systems**

Lesson 10 : **Lecture 11 Neural Network based Robot Control**

Lesson 11 : **Lecture 10 T S Fuzzy**

Lesson 12 : **Lecture 09 Fuzzy Logic Control II**

Lesson 13 : **Lecture 08 Fuzzy Logic Control I**

Lesson 14 : **Lecture 07 Fuzzy Relations and Rule Base**

Lesson 15 : **Lecture 06 Introduction to Fuzzy Logic**

Lesson 16 : **Lecture 05 Lyapunov Stability**

Lesson 17 : **Lecture 04 Feedback Linearization**

Lesson 18 : **Lecture 03 Back Stepping Control**

Lesson 19 : **Lecture 02 Robotics Primer Kinematics and Dynamics**

Lesson 20 : **Lecture 01 Robotics Primer Robot Anatomy and Terminology**

Lesson 21 : **Intelligent Control of Robotic Systems Promo Video**

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