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Control Engineering 1.1 Introduction 1.1 What is Control Engineering? As its name implies control engineering involves the design of an engineering product or system where a requirement is to accurately control some quantity, say the temperature in a room or the position or speed of an electric motor.

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### Control Engineering: An Introductory Course, 2002, 750 ...

An overview of the techniques available for a deeper introduction to the subject will be presented at the end. ... Characterizing the dynamic behavior of systems and the possibility to change it by introducing control devices is the main aim of the course. ... learn the basic concepts to undertake further studies in control engineering.

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Control engineering or control systems engineering is an engineering discipline that applies control theory to design systems with desired behaviors in control environments. The discipline of controls overlaps and is usually taught along with electrical engineering and mechanical engineering at many institutions around the world.. The practice uses sensors and detectors to measure the output ...

### Control engineering - Wikipedia

Course Sequences. This course is the second part of a two-course sequence. The first course in the sequence is 6.003 Signals and Systems. Course Collections. See related courses in the following collections: Find Courses by Topic. Electrical Engineering > Signal Processing; Electrical Engineering > Robotics and Control Systems

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### Instrumentation & Control Engineering Technology ...

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### Control Engineering: Amazon.co.uk: Wilkie, Jacqueline ...

Basic characteristics of feedback control systems Stability, steady-state accuracy, transient accuracy, disturbance rejection, insensitivity and robustness. Basic modes of feedback control: proportional, integral and derivative. Feed-forward and multi-loop control configurations, stability concept, relative stability, Routh stability criterion.

### Control Engineering online course video lectures by IIT Bombay

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