NPTEL Video Course - Computer Science and Engineering - NOC:Real-Time Systems

Subject Co-ordinator - Prof. Rajib Mall

Co-ordinating Institute - IIT - Kharagpur

Sub-Titles - Available / Unavailable | MP3 Audio Lectures - Available / Unavailable

Lecture 30 - Working of Priority Ceiling Protocol
Lecture 31 - Analysis of Priority Ceiling Protocol
Lecture 32 - Introduction to Multiprocessor and Distributed Systems
Lecture 33 - Static Allocation of Tasks
Lecture 34 - Dynamic Allocation of Tasks
Lecture 35 - Centralized Clock Synchronization in Distributed RT Systems
Lecture 36 - Distributed Clock Synchronization in R-T Systems
Lecture 37 - A Few Basics in Real-Time Operating Systems
Lecture 38 - Time Services
Lecture 39 - Unix as a Real-Time Operating System
Lecture 40 - Unix as a Real-Time Operating System (Continued...)
Lecture 41 - Windows as RTOS
Lecture 42 - POSIX
Lecture 43 - Unix-Based Real-Time Operating Systems
Lecture 44 - A survey of some contemporary Real-Time Operating Systems
Lecture 45 - A survey of some contemporary Real-Time Operating Systems (Continued...)
Lecture 46 - Benchmarking Real-Time Systems
Lecture 47 - Introduction to Real-Time Communication
Lecture 48 - Basics of Real-Time Communication
Lecture 49 - Basics of Networking
Lecture 50 - Basics of Internet
Lecture 51 - Real-Time Communication in a LAN
Lecture 52 - Bounded Access Protocols for LANs
Lecture 53 - Performance Comparison and QoS Framework
Lecture 54 - Routing and Resource Reservation
Lecture 55 - Rate Control
Lecture 56 - QoS Models and Soft Real-Time Communication in a LAN
Lecture 57 - Review of Basic Database Concepts
Lecture 58 - Applications and Issues of Real-Time Database
Lecture 59 - Characteristics of Temporal Data
Lecture 60 - Locking-Based Concurrency Control In Real-Time Databases
Lecture 61 - Concurrency Control In Real-Time Databases and Commercial RT Databases