

NPTEL Video Lecture Topic List - Created by LinuXpert Systems, Chennai

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

Subject Co-ordinator - Prof. Rajib Mall

Co-ordinating Institute - IIT - Kharagpur

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

- Lecture 1 - Introduction
- Lecture 2 - Basics of Task scheduling
- Lecture 3 - Cyclic executives
- Lecture 4 - Cyclic Scheduler
- Lecture 5 - Cyclic Scheduler
- Lecture 6 - Exercises on Frame size Selection
- Lecture 7 - Event-driven schedulers
- Lecture 8 - Rate Monotonic Algorithm
- Lecture 9 - RMA Task Schedulability
- Lecture 10 - Rate Monotonic Analysis
- Lecture 11 - RMA Generalizations
- Lecture 12 - Further RMA Generalizations
- Lecture 13 - Resource Sharing among Real-Time Tasks
- Lecture 14 - Solution to Priority Inversion Problem
- Lecture 15 - Highest Locker Protocol
- Lecture 16 - Priority Ceiling Protocol
- Lecture 17 - PCP Priority Inversions
- Lecture 18 - Analysis of PCP priority inversions
- Lecture 19 - Some basic issues in Real-Time Operating Systems
- Lecture 20 - Unix as a Real-Time operating System

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