Mindluster Platform

About the course Multi Core Computer Architecture

Multi-Core Computer Architecture course in hindi, in this course Study the design and organization of multi-core computer systems, optimizing performance and efficiency.

Computer Science Category's Courses

Course Lesson(32)

Lesson 1 : **Multi Core Computer Architecture â€“ Storage and Interconnects Introduction Video**

Lesson 2 : **Introduction and Overview of the Course**

Lesson 3 : **Instruction Execution Principles**

Lesson 4 : **Introduction to Instruction Pipeline**

Lesson 5 : **Introduction to Superscalar Pipelines**

Lesson 6 : **Instruction Pipeline Performance I**

Lesson 7 : **Instruction Pipeline Performance II**

Lesson 8 : **Introduction to Cache Memory**

Lesson 9 : **Block Replacement Techniques Write Strategy**

Lesson 10 : **gem5 Simulator An Overview**

Lesson 11 : **Cache Memory**

Lesson 12 : **Basic Cache Optimization Techniques**

Lesson 13 : **gem5 Simulator Cache Optimisation**

Lesson 14 : **Advanced Cache Optimization Techniques I**

Lesson 15 : **Advanced Cache Optimization Techniques II**

Lesson 16 : **Cache Memory Optimizations**

Lesson 17 : **Introduction to DRAM System**

Lesson 18 : **DRAM Controllers Address Mapping**

Lesson 19 : **Address Translation Mechanisms**

Lesson 20 : **Main Memory Concepts**

Lesson 21 : **Introduction to Tiled Chip Multicore Processors**

Lesson 22 : **Routing Techniques in Network On Chip**

Lesson 23 : **Network On Chip Router Micro Architecture**

Lesson 24 : **gem5 Simulator NoC Optimisation**

Lesson 25 : **Energy Efficient Bufferless NoC Routers**

Lesson 26 : **Sidebuffered Deflection Routers**

Lesson 27 : **Concepts in Network on Chip**

Lesson 28 : **QoS of NoC and Caches in TCMP Systems**

Lesson 29 : **Emerging Trends in Network On Chips**

Lesson 30 : **Concepts in TCMP Systems**

Lesson 31 : **How to Explore Computer Architecture**

Lesson 32 : **Introduction to VEGA Microprocessors**

Related courses

Linear Algebra for Computer Scientists

Insertion Sort

Bubble Sort

GCSE Computer Science

Random Access Memory

Binary Trees

for Business Contact
business@mindluster.com