

**Lecture 25, December 2, 2008****1. Rapid Prototyping for Parallel and Distributed Systems (chapter 19 of the course textbook; pages 405-415) - continued:**

- a). what it does?
- b). steps of prototyping process
- c). illustrating example of rapid prototyping with Petri net as methodology for rapid prototyping.

**2. Homework #4 – handouted and discussed.****3. Petri nets in Workflow Management Systems (textbook, pp.507-540):**

- WfMC – Workflow Management Coalition
- WfMC architecture
- workflow analysis and design.

**Lecture 26, December 4, 2008:****1. IOWFs – Inter-organizational Workflows (not covered in the textbook):**

- e-Commerce vs. IOWFs
- Review and analysis of six architectures of IOWFs
- Soundness of IOWFs
- Consistency of IOWFs.

**2. Course Summary:**

- Course objectives
- Course outcomes
- Petri nets as mathematical model/tool of concurrent systems
- CPNTools – rich research platform of Colored Petri nets
- Analysis methods of Petri nets – static and dynamic
- Direct software and hardware implementation from Petri nets
- Application of Petri nets in software development and in workflow management systems
- Rapid prototyping of software development for Parallel and Distributed Systems.