**List of Projects**

**CS 211: Operating Systems**

1. Job Order Tracking and Ticketing System
2. A microkernel operating system design and implementation
3. Design and implementation of FIFO communication mechanism based on L4
4. Design and implementation of Minix-based inter-process communication system implementation
5. Based on RT-Linux inter-process communication CNC systems
6. Design and implementation of a runtime deadlock detection mechanism for SCOOP

[On Optimal Deadlock Detection Scheduling](http://ieeexplore.ieee.org/xpl/articleDetails.jsp?tp=&arnumber=1668045&queryText%3Ddeadlock)

### 8 [A deadlock detection algorithm for business processes workflow models](http://ieeexplore.ieee.org/xpl/articleDetails.jsp?tp=&arnumber=725480&queryText%3Ddeadlock)

### 9 [A scheduling strategy for an efficient deadlock detection](http://ieeexplore.ieee.org/xpl/articleDetails.jsp?tp=&arnumber=5383067&queryText%3Ddeadlock)

### 10 [PBDDR: Probe-Based Deadlock Detection and Recovery Strategy for Component-Based Systems](http://ieeexplore.ieee.org/xpl/articleDetails.jsp?tp=&arnumber=6462747&queryText%3Ddeadlock)

### 11 [deadlock detection and resolution using probes, tokens, and barriers](http://ieeexplore.ieee.org/xpl/articleDetails.jsp?tp=&arnumber=652603&queryText%3Ddeadlock)

### 12 [Efficient generalized deadlock detection and resolution in distributed systems](http://ieeexplore.ieee.org/xpl/articleDetails.jsp?tp=&arnumber=918932&queryText%3Ddeadlock)

# 13 A very efficient distributed deadlock detection mechanism for wormhole networks

### 14 [Performance comparison of deadlock recovery anddeadlock avoidance routing algorithms in wormhole-switched networks](http://ieeexplore.ieee.org/xpl/articleDetails.jsp?tp=&arnumber=1199848&pageNumber%3D2%26queryText%3Ddeadlock)

### 15 [Deadlock-Free Design of JSP with Multi-Resource Sharing](http://ieeexplore.ieee.org/xpl/articleDetails.jsp?tp=&arnumber=4741018&pageNumber%3D2%26queryText%3Ddeadlock)

## 16 [Deadlock Resolution in Automated Manufacturing Systems](http://www.springer.com/computer/swe/book/978-1-84882-243-6)

### 17 [Deadlock Detection Views of Distributed Database](http://ieeexplore.ieee.org/xpl/articleDetails.jsp?tp=&arnumber=5070707&pageNumber%3D3%26queryText%3Ddeadlock)

# 18 Deadlock-free scheduling method for automated manufacturing systems with limited central buffers

# 19 Recovery of two process deadlock using payoff matrix approach

# 20 Deadlock avoidance for manufacturing systems with partially ordered process plan

# 21 A Condition of Deadlock-Free Routing in Mesh Network

### 22 [Deadlock Avoidance: A Dynamic Programming Approach](http://ieeexplore.ieee.org/xpl/articleDetails.jsp?tp=&arnumber=5702053&pageNumber%3D5%26queryText%3Ddeadlock)

### 23 [Impact of buffer size on the efficiency of deadlock detection](http://ieeexplore.ieee.org/xpl/articleDetails.jsp?tp=&arnumber=744385&pageNumber%3D5%26queryText%3Ddeadlock)

### 24 Design and implementation of [deadlock detection algorithms for distributed real-time database systems](http://ieeexplore.ieee.org/xpl/articleDetails.jsp?tp=&arnumber=526222&pageNumber%3D5%26queryText%3Ddeadlock)

### 25 [Scheduling in Grid Computing Environment](http://ieeexplore.ieee.org/xpl/articleDetails.jsp?tp=&arnumber=6783470&queryText%3Dscheduling)

### 26 [Community-Aware Scheduling Protocol for Grids](http://ieeexplore.ieee.org/xpl/articleDetails.jsp?tp=&arnumber=5474720&queryText%3Dscheduling)

### 27 [A scheduling-specific modeling approach for real world scheduling](http://ieeexplore.ieee.org/xpl/articleDetails.jsp?tp=&arnumber=4419156&pageNumber%3D2%26queryText%3Dscheduling)

### 28 [Dynamic scheduling strategies for shared-memory multiprocessors](http://ieeexplore.ieee.org/xpl/articleDetails.jsp?tp=&arnumber=507918&pageNumber%3D2%26queryText%3Dscheduling)

### 29 [Scheduling algorithm for real-time applications in grid environment](http://ieeexplore.ieee.org/xpl/articleDetails.jsp?tp=&arnumber=1176337&pageNumber%3D3%26queryText%3Dscheduling)

### 30 [Scheduling algorithms and operating systems support for real-time systems](http://ieeexplore.ieee.org/xpl/articleDetails.jsp?tp=&arnumber=259426&pageNumber%3D4%26queryText%3Dscheduling)