• Title: Development of Multi-agent System for Dynamic Multi-project Scheduling
• Sanctioned Amount: Rs 6 Lakh
• Funding Agency: Department of Science and Technology, Government of India
• Date of Commencement: May 1, 2010
• Date of Completion: June 30, 2012
• Principal Investigator: Dr M. L. Mittal
• Co-Investigator: Prof Rakesh Jain
Major equipment/facilities Created: Computer and printer

Outcomes:

- A multi-agent architecture for dynamic multi-project scheduling problem that can handle centralized decision making for setting of due dates/release dates to new projects and decentralized decision making for resource allocation

- A negotiation based mechanisms has been developed for allocation of resources to active projects and scheduling of activities. The mechanism was extended to consider resource transfers times for transfer of resources between resource pool and between various projects.
• Publications


