

MODULE 4 : RESOURCE & PROCESS MANAGEMENT

Resource management

- Efficient & Effective deployment of organization's resource when they are needed

- Techniques:

- Task Assignment Approach
- Load Balancing approach
- Load Shaving Approach

Features of Global Scheduling Algorithms

- no priori knowledge about

process

- dynamic in nature
- quick decision making capabilities
- balanced system performance & scheduling overhead
- stability

- scalability

- Fault tolerance

- Fairness of Service

Design Issue in Load Balancing

- 1) Load Estimation policy
- 2) Process transfer policy
- 3) Location policy
- 4) State information exchange policy
- 5) Priority Assignment policy
- 6) Migration limitation policy

Features of process migration

- 1) Transparency
- 2) Minimal interference
- 3) Efficiency
- 4) Robustness