

Introduction to Load Balancing:

- Definition of Distributed systems.
Collection of independent loosely coupled computing resources.
- Load Balancing is a “pre-step” to scheduling.

Motivations:

- Random Arrival of user tasks.
- Varied Computing resources of different hosts.
- Homogeneous Vs Heterogeneous systems.

Basic Issues:

- Definition of LOAD and Performance as the basics of Load Balancing.
- Criterion for Load Balancing:
 - Process based factors.
 - Resource based factors.
 - Algorithmic factors.
- Efficient Evaluation of these criterion.