LECTURE-10

Packaging Technology

- ➤ Dual In-line Package
- ➤ Pin Grid Array Package
- ➤ Chip Carrier Package

Factors affecting selection of IC package

- Relative cost
- Reliability
- Weight of the package
- Ease of fabrication
- Power to be dissipated
- Need of external heat sink

Temperature Ranges

- 1. Military temperature range : -55° C to +125° C (-55° C to +85° C)
- 2. Industrial temperature range: -20°C to +85°C (-40°C to +85°C)
- 3. Commercial temperature range: 0°C to +70°C (0°C to +75°C)

Computer-Aided Design Technology

- ➤ High level synthesis
- ➤ Logic synthesis
- Circuit optimization
- **≻** Layout
- **→** Simulation