ADVANCED COMPUTER ARCHITECTURE

Flynn's & Handler's Classification of parallel computing structures.Pipelined & Vector Processors. Data & control hazards and method to resolve them. SIMD multiprocessor structures. Interconnection networks. Parallel algoritms for array processors. Search algorithms, MIMD multiprocessor Systems, Scheduling and load balancing in multiprocessor systems, Multiprocesing control and algorithms.

Books Recommended:

1. "Computer Architecture and Organisation"- John Hays, Mc. Graw-Hill.

2. " Computer Architecture and Parallel Processing"-Hwang and Briggs, Mc. Graw- Hill book company.