

Approval: 1st Convocation adhoc Meeting

Course Name : **Architecture of High Performance Computers**
Course No. : **CS 401**
Credits : **3-0-2-4**
Prerequisites : **Computer Architecture; Operating Systems.**

Course Contents:

Classification of parallel computing structures, instruction level parallelism - static and dynamic pipelining, improving branch performance, superscalar and VLIW processors; High performance memory system; Shared memory multiprocessors and cache coherence; Multiprocessor interconnection networks; Performance modeling; issues in programming multiprocessors; Data parallel architectures.