IT9156  MULTI-CORE PROGRAMMING  

UNIT I  INTRODUCTION TO MULTIPROCESSORS AND SCALABILITY ISSUES  


UNIT II  PARALLEL PROGRAMMING  


UNIT III  Openmp Programming  


UNIT IV  MPI PROGRAMMING  

MPI Model – collective communication – data decomposition – communicators and topologies – point-to-point communication – MPI Library.  

UNIT V  MULTITHREADED APPLICATION DEVELOPMENT:  

Algorithms, program development and performance tuning.  

TOTAL : 45 HOURS  

REFERENCES  