RESEARCH ON

THREADMENTOR: MULTI-THREAD PROCESSING

RIJA FATIMA( 59631)

ARIBA SHAHID(59385)

HAMMAD HUSSAIN(59490)

(BSCS)

PAF-KIET

ABSTRACT:

This paper presents our effort in designing pedagogical tools for teaching message passing using channels. These tools include a class library that supports channels, a visualization system that helps students see the execution behavior of threads and message passing, and a topology editor that provides an environment for students to design network topologies. Moreover, since we have made sure the uniformity of the channel definition across the thread, parallel and distributed environments, porting a threaded program to a parallel/distributed environment is easy.