NATIONAL INSTITUTE OF TECHNOLOGY KARNATAKA SURATHKAL

DEPARTMENT OF INFORMATION TECHNOLOGY

IT 301 Parallel Computing LAB 5

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- Develop a parallel program to find a given element in an unsorted array (a large number of elements starting from 10K can range to 1 lakh and above, based on the memory) using Linear Search. Compare the execution time with the Sequential Linear Search program. Also compare it with the sequential Binary Search program.
- Develop a parallel program to find a given element in an unsorted array using Binary Search. Take a large number of elements upto the maximum possible size. Note:
 Make use of openmp task directive. Also compare the execution time with the sequential version of Binary Search.