RAMAIAH INSTITUTE OF TECHNOLOGY, BENGALURU – 560054

(Autonomous Institution Affiliated to VTU, Belgaum)

Department of Information Science & Engineering

DISTRIBUTED COMPUTING LAB- ISL75

CIE Marks (Lab) : 50	LIST OF PROGRAMS	SEE Marks (Lab) : 50
	Part-A	
1	Write parallel program using OpenMP to sort n element using merge sort.	
2	Write a program to Multiply a matrix by a vector and get the result of the operation.	
3	Write an OpenMP program which demonstrates how to "multitask", implement two separate task, one to generate prime table and other to generate sine table for a given input using OpenMP for parallel execution. Justify the inference.	
4	Write a program to show how first private clause works. (Factorial program)	
5	Write an OpenMP parallel program for Points Classification. Prove the correctness of sequential program with that of parallel.	
6	Write an OpenMP program to convert a color image to black and white image. Demonstrate the performance of different scheduling techniques for varying chunk values	
	Part-B	
7	Write a program for communication among two processes.	
8	MPI program to compute dot product of two vectors using block-striped partitioning with uniform data distribution.	
9	Write MPI program that computes the value of PI using Monto-Carlo Algorithm.	
10	C program which creates new communicators involving a subset of initial set of MPI processes in the default communicator MPI_COMM_WORLD	
11.	Write MPI program to compute Matrix-Matrix Multiplication using self-scheduling algorithm.	
12.	C program which searches integers between A and B for a value J such that F(J) = C, using the MPI parallel programming environment	

Faculty in charge: Head of Department

(SK,PB,DJS)   (Dr.Vijaya Kumar B.P)