Experiment 07

	그리고 이 그는 그는 그는 그는 그는 그는 그는 그는 그는 사람들이 가지 않는 것이 되었다. 그는 그는 그는 그는 그는 그는 것이 없는 것이다.
	Name: Kiran K. Patil sem 106
	10: 211070904 cource: PC. Lab.
	Aim: 1. Implement using MPI.
	1. calculating Rank and Number of processor
	ii. Pi calculation.
	iii. Advance MPI program that has a total
	number of 4 processes, where the process with
1 , 1 , 3 , 2 , 3	rank=0 should send with letter to all the
	processing using MPI-scatter call.
	iv. Find the maximum value in array of six
	intergers with 6 processes and print the result
	in root process using MPI. Reduce call
	v. Ring topology.
	Theory:
V	
	& MPI stands for Message Passing Interface. It
	is widely used standard programming and possil
	and distributed computing systems MPI provides
	a set of standard bunchions that allows multip
	process to communicate and coordinate their
- An	activitées in parallel computing environment.
	MPIRS commonly used for eclerific and engg.
	simulations, data analysis, and other comparating
	interive tacks, that can benefit from paralling for EDUCATIONAL USE
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31 MPI programs can be non on vide range
of computing systems, from clusture to
large supercomputers
4) MPI allows processes to communicate using
message passing where data is sel and
message passing, where data is set and occession using defined
Communication protocoles operations. MPI also
provides Runchionalliby for process management
collective and input output operations.
5) MPI 19 highly portable standards, which
means that MPI programs can be withen
once and run on verily of computing operate without modification. There are several
without modification. There are several
implementations of MPI available, including
other-zodiece implementations the open
MPI and MPICH as well as commercial
implementations from vendors like intel
Chay card 1811

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