Experiment 06

6.24 80	Mame: Kiran K. Pahil 100 sem: 06
1	Reg in 10/2/1070904 July 1900urse: pc Lab.
	DE LA COLONIA DE
	Carlone Branch Company Company Company
	Aim: Parallel Travelling salesman Problem using
7.1.5	openMp implementation.
	ar modern at the modern has been a
	Theory of the said of the
	· The Frankling sales man Problem (TSP) &
	a problem to find shortest possible rowhe
	that visits a set of other and returns the
	Starting city.
	o OpenMp is a popular (api) API for parallel
	· programming is a shared-memory architecture
0	n docultation the least commit
	e we can parallelize the local search
	part of the TSP algorithm using opening to speedup its execution
	openme to speedup its execution
	o to parallelize the algorithm, we can
	use the # pragma comp parallel for directive
	and the openMP reductions' clause to
	parallelize the loop that thorates over
	all pairs of cities and find the
	best swap for each thread.
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.001	e use can also use the # pragma amp parallel! direthre the simple directive and the 'barrier! direthre to ensure correct and efficient execution.
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	o Parallelizing the local search of TEP algorithm using openMP can speed up the solution of the problem and find good solutions in a reasonable amount of time.
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