6. PERFORMANCE EVALUATION

Sl.no	Program	Serial Time(in ms)	Parallel Time(in ms)
1.	Temperature Detection	10.45322	6.594995
2.	Pseudo Random Number Generation	0.07	0.01
3.	Monte Carlo Integration	1.463771	0.732511
4.	PRNG Using GSL	12.22566	10.119707
5.	Monte Carlo Markov Chain	0.699599	0.041839
6.	Monte Carlo Tree Search	3.44443	1.91396
7.	Neutron Particle Transport	4.55554	2.130586
8.	Stratified Sampling	24.44544	11.178107
9.	Deterministic Simpson's Rule	0.004884	0.000684

Table 7.1 – Illustrating the difference in time of execution for serial and parallel code.