Lecture Notes

S.No.	Topic	Further Reading/Resources
1	Introduction	https://www.top500.org/lists/top500/2021/11/
2	Parallel Computing-I	
3	Parallel Computing-II	
4	OpenMP	https://www.openmp.org/resources/tutorials-articles/
5	Distributed Systems	Distributed Systems: Concepts and Design by G. F. Coulouris et al.
6	Distributed Computing Model	Chapter 2 - Distributed Computing by Ajay Kshemkalyani et al.
7	Physical Clocks	Chapter 6, Distributed Systems by Sukumar Ghosh
8	Logical Clocks	Chapter 3 - Distributed Computing by Ajay Kshemkalyani et al.
9	Global State and Snapshot Recording Algorithms	Chapter 4 - Distributed Computing by Ajay Kshemkalyani et al.
10	Global State Collection, Termination Detection, Distributed Deadlocks	Chapter 9, Distributed Systems by Sukumar Ghosh
11	Distributed Mutual Exclusion -1 Distributed Mutual Exclusion -2	Chapter 7, Distributed Systems by Sukumar Ghosh
12	Coordination Algorithms Synchronizers	Chapter 11, Distributed Systems by Sukumar Ghosh
13	Introduction to MPI Programming Model MPI Tutorial Part-1 MPI-Tutorial Part-2 MPI-Tutorial Part-3	https://hpc-tutorials.llnl.gov/mpi/ https://www.open-mpi.org/