

Walchand College of Engineering, Sangli
Computer Science & Engineering
Third Year
Course: Computer Algorithm Lab

Week 5 Assignment

Part: 2

Divide and conquer strategy

Strassen's Matrix Multiplication

- 1) Implement Naive method multiply two matrices and Justify complexity is $O(n^3)$
- 2) Implement Strassen's matrix multiplication for 3×3 matrix.
Do analysis of algorithm with respect to time complexity.