

Shri Vile Parle Kelavani Mandal's **DWARKADAS J. SANGHVI COLLEGE OF ENGINEERING**



(Autonomous College Affiliated to the University of Mumbai) NAAC Accredited with "A" Grade (CGPA: 3.18)

Department of Computer Engineering A.Y. 2022-23 (Even Semester)

Continuous Assessment: Term Test – I Course: Analysis of Algorithm

Syllabus for Term Test 2

Chapter	Торіс
3	Dynamic Programming: 0/1 knapsack, All Pair Shortest Path, Travelling salesman problem, Longest common subsequence problem.
4	Greedy Approach General strategy, Knapsack problem, Single Source shortest path, Job Sequencing with deadline.
5	Backtracking Strategy : General strategy, nqueen problem, graph coloring, sum of subset problem.
6	String Matching Algorithms : The naïve string matching Algorithms ,The Rabin Karp algorithm, String matching with finite automata, The Knuth Morris Pratt algorithm.