**CE460 MODERN ALGORITHM DESIGN FOUNDATION LAB (RC19-20)**

**List of Experiments**

**Semester: 4 SE COMP Year: 2022 (EVEN SEM.)**

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| **Experiment No.** | **Name of Experiment** | **CO ID** | **CL** |
| 1 | Iteration and Recursion | CE460.1 | 2 |
| 2 | Binary search (Divide and Conquer) | CE460.2 | 2 |
| 3 | Merge Sort (Divide and Conquer) | CE460.2 | 2 |
| 4 | Quick Sort (Divide and Conquer) | CE460.2 | 2 |
| 5 | Minimum cost spanning trees (Greedy Approach) | CE460.3 | 3 |
| 6 | Single source shortest path algorithm (dynamic programming) | CE460.3 | 3 |
| 7 | 0/1 knapsack algorithm (dynamic programming) | CE460.3 | 3 |
| 8 | Pattern matching algorithms. | CE460.4 | 3 |
| 9 | Sum of subsets algorithm (backtracking) | CE460.1 | 3 |

Shona Afonso, Ramita Karpe and Cassandra Fernandes.

**(Faculties - in -charge)**

***Assistant Professor, Computer Engineering Dept.  
Padre Conceicao College of Engineering,   
Verna-Goa, India.***