**Shambhunath Institute of Engineering and Technology**

**Design and Analysis of Algorithm Lab Manual (NCS-551)**

**INDEX**

|  |  |
| --- | --- |
| **S.n** | **Objective** |
| **1** | **Pseudo Code and programming of Linear Searching Techniques** |
| **2** | **Pseudo Code and programming of Binary Searching Techniques** |
| **3** | **Pseudo Code and programming of Quick Sorting Techniques** |
| **4** | **Pseudo Code and programming of Insertion Sorting Techniques** |
| **5** | **Pseudo Code and programming of Merge sorting Techniques** |
| **6** | **Pseudo Code and programming of Bubble sorting Techniques** |
| **7** | **Pseudo Code and programming of Selection Sorting Techniques** |
| **8** |  **Pseudo Code and Programming of Heap Sorting Techniques** |
| **Case Studies:** |
| **9** | * **Hamiltonian Problem**
 |
| **10** | * **Travelling Sales Man Problem**
 |
| **11** | * **Knapsack Problem**
 |
| **12** | **Study on Sorting of Networks** |

**Kindly take the printout of the Lab Manual and Show me after the holiday session sessional examinations strictly.**