# TY. B. Tech.

# Design & Analysis of Algorithm

Assignment No: 3

Date of Submission: 15/04/2023

Roll. No.	Gr. No.	Div	Name
12	12011336	С	Niraj Kirit Patil

# **Assignment No: 2**

### **Quick Sort**

#### **Code:**

```
nt[] arr2 = Arrays.copyOfRange(arr, current_position+1, elements);
```

```
Run | Debug
public static void main(String[] args) {
    int[] array = {4,2,7,3,1,6};
    System.out.print(s:"Original Array: [");
    for(int i=0; i<array.length;i→)</pre>
        System.out.print(array[i]);
        System.out.print(s:" ");
    System.out.println(x:"]");
    array = QuickSort(array, array.length);
    System.out.print(s:"Sorted Array: [");
    for(int i=0; i<array length; i → )</pre>
        System.out.print(array[i]);
        System.out.print(s:" ");
    System.out.print(s:"]");
```

# **Output:**

t\_ws/DAA\_59276fed/bin quicksort.QuickSort
Original Array: [4 2 7 3 1 6 ]
Sorted Array: [1 2 3 4 6 7 ]

(This page marks the end of the assignment)