

# Algorithms Lab

## Viva 2 (Task)

**I Type your answers in a docx, odt or pdf file.**

**II Answer all the questions.**

**III IMPORTANT: Submit on or before Monday, 16-Nov-2020 by email as attachment.  
Just use the two letters V2 as the subject of the email you send.**

1. Execute the LCS program on pairs of input sequences of lengths 10, 100 and 1000 and report the number of steps used in each case. Each element in the sequences is a random single digit number in the range 0 to 9.  
(Submit the program along with the results.)
2. Count and compare the number of steps used in Prim's and Kruskal's MST algorithms for the inputs used in the lab exercises.  
(Submit the program along with the results.)