National Institute Of Technology Calicut
Department of Computer Science and Engineering
CS4046D Computer Vision
Assignment 2

Date of Submission : On or before 13-10-2021

Maximum Marks : 5

Instructions to the students:

- *Any submitted work should be your own. Academic dishonesty in any form can lead to zero marks for the assignment.*
- *Any work submitted after the submission deadline will not be considered for evaluation (exception may be given only for genuine reasons).*
- *Students are free to use the language/tool of their choice.(Preferably Matlab/Octave/Java/Python etc.)*
- *Prepare a document that contains the question, your code and output. Save it with file name as Your Name_Rollno and upload it in the submission link given in eduserver on or before the deadline.*

1. Apply the following filtering operation on an input image(Choose your own photo as input) and display both the input and out images.

Enhance the image by,

i) Low pass filtering

ii) Sobel operator, (3x3 & 5x5)

iii) Laplacian operator. (3x3 & 5x5)

iv) LOG and

v) Canny Edge Detection

vi) High-boost filtering