



FORMAN CHRISTIAN COLLEGE, LAHORE (A Chartered University)
Numerical Computing CSCS320 –Fall 2020
ASSIGNMENT 1

INSTRUCTIONS

Files required to submit: mfiles as well as mp4 file (Make a recording audio/video explaining each line of code you write and execute)

Submission Date : Tuesday , December 29,2020

Q1. Download the MATLAB code provided for Bisection method and make changes (you may make your own) in such a way that following output is displayed:

a b c f(a) f(b) f(c)

where a and b are initial guesses and c is the mid point and f(a),f(b) and f(c) is corresponding functional value.

Hint: You may use fprintf for this purpose.

Q2. Download the MATLAB code provided for Newton Raphsaon Method and implement this or your own to address stop criteria.

Q3. Make script/Function file for MATLAB code of Secant Method.

Q4. Make a script file for MATLAB code of Gauss Seidal Iteration method. (Jacobi Method has been explained and uploaded.)

Good Luck