

Numerical Analysis Sessional

Sessional-3

Prepared by-
Md. Harun Or Rashid
Lecturer
Dept. of CSE, BAUET

Course Code: CSE-3102

Course Title : Numerical Analysis Sessional

Sessional Task (Using False Position Method):

1. Write a C/C++ program to find a real root of $f(x) = x^3 + x^2 + x + 7 = 0$ correct to three decimal places.
2. Write a C/C++ program to find the positive root between 0 and 1 of the equation $x = e^{-x}$ to a tolerance of 0.05%.
3. Write a C/C++ program to find a root, correct to three decimal places and lying between 0 and 0.5, of the equation $4e^{-x} \sin x - 1 = 0$.

Instruction about Sessional Report

1. Each sessional report must be submitted within 15 minutes after starting the class time by wrapping a cover file.
2. Report must be hand written format.
3. Each report will contain the following parts-
 - a) Experiment No
 - b) Name of the Experiment
 - c) Problem Description
 - d) Algorithm / Flowchart
 - e) Source Code
 - f) Input
 - g) Output
 - h) Discussion (This part must be unique)

Any Question???