# Numerical Analysis Sessional

# Sessional-4

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**Course Code:** CSE-3102

**Course Title :** Numerical Analysis Sessional

# Sessional Task (Using Iteration Method):

1. Write a C/C++ program to find a real root of $1 + x^2 = x^3$ correct to three decimal places.

2. Write a C/C++ program to find the positive root up to four significant figures of the equation $3x = e^x$.

3. Write a C/C++ program to find a root, correct to three decimal places of the equation $x - \sin x = \frac{1}{2}$.

# 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???