



SNS COLLEGE OF ENGINEERING

Kurumbapalayam (Po), Coimbatore – 641 107

AN AUTONOMOUS INSTITUTION



Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai

Topic: 3.4 – TUTORIAL 7

1. Using Newton-Raphson method solve the equation $x \log_{10} x - 1.2 = 0$ to find a positive root.
2. Using Newton-Raphson method solve the equation $3x - \cos x - 1 = 0$ to find a positive root.
3. Apply Gauss Jordan method to find the solution of the following system
 $x + y + z = 9$, $2x - 3y + 4z = 13$, $3x + 4y + 5z = 40$.
4. Solve the system of equation by Gauss Jordan Method
 $x + 3y + 3z = 16$, $x + 4y + 3z = 18$, $x + 3y + 4z = 19$