



SNS COLLEGE OF ENGINEERING

Kurumbapalayam (Po), Coimbatore – 641 107

AN AUTONOMOUS INSTITUTION



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

Newton-Raphson Method:

1. Find real positive root of $3x - \cos x - 1 = 0$ by N.R method correct to 6 decimal places.
2. Find a root of $x \log_{10} x - 1.2 = 0$ by N.R method correct to three decimal places.
3. Using N.R method, solve $x \log_{10} x = 12.34$ taking the initial value x_0 as 10.
4. Find the real root of $x^3 - 2x - 5 = 0$ using N.R. method.