

Programming for Problem Solving (ES-CS291)
2019

ROLL	
NAME	

Learning outcome: Students will be able to solve Numerical methods problems.

ASSIGNMENT: VII

Sl. No	Program Listing	Date	Signature
1	Write a C program to find the root of $f(x) = e^{2x} - x - 6$ using Newton-Raphson method.		
2	Write a C program to find the root of $f(x) = x^2 - \sin(x) - 0.5$ using Bisection method.		
3	Write a C program to find out the $dy/dx = x + y$ where $y(0) = 1$ at the point $x = 0.05$ and $x = 0.10$ taking $h = 0.05$, using Euler method.		
4	Write a C program to find out integration of $I = \int_0^6 \frac{1}{1+x^2} dx$ using Simpson's 1/3 rule.		

SIGNATURE OF STUDENT.....

SIGNATURE OF FACULTY.....