

Sardar Vallabhbhai Patel Institute of Technology, Vasad

List of Practical S Y IT-I (Sem-IV) (2018-19)

Sub: Numerical and Statistical Methods for computer engineering (2140706)

Practical Number	List of Practical
1	Develop a C program to find a root of a non-linear equation using Bisection Methods
2	Develop a C program to find a root of a non-linear equation using Newton Raphson Methods
3	Develop a C program to find a root of a non-linear equation using Regula Falsi Methods
4	Develop a C program to find a root of a non-linear equation using Secant Methods
5	Develop a C program to solve the system of linear equations using Gauss Jacobi Methods
6	Develop a C program to solve the system of linear equations using Gauss Seidal Methods
7	Develop a C program to solve the system of linear equations using Gauss elimination Methods
8	Develop a C program to solve the system of linear equations using Gauss Jordan Methods
9	Develop a C program to compute the interpolating value using Newton's Forward formula.
10	Develop a C program to compute the interpolating value using Langrange interpolation formula.
11	Develop a C program to compute the Numerical integration using Simpson's 1/3 rule.
12	Develop a C program to compute the Numerical integration using Simpson's 3/8 rule.
13	Develop a C program to solve initial value problem using Euler's Methods
14	Develop a C program to solve initial value problem using R-K Methods
15	Develop a C program to implement fitting of straight line.
16	Write a C program to find the mean/ median for direct series.

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