

NEW SUMMIT COLLEGE

Shantinagar Gate, Tinkune, Kathmandu

(Affiliated to Tribhuvan University)



Lab Report of

Numerical Method CSC212

*Bachelor of Science in Computer Science and
Information Technology*

Submitted by:

Mandip Chaudhary

Roll No.:

Year/Semester: 2nd/3rd

Submitted to:

Prawesh Dhungana

Signature:



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S. N	Unit Name	Title	Practical Date and Sign	Submission Date and Sign
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2	Solving Non-linear Equation	Newton Raphson Method		
3	Solving Non-linear Equation	Secant Method		
4	Solving Non-linear Equation	Fixed Point Method		
5	Solving Non-linear Equation	Horner's Method		
6	Interpolation	Lagrange Interpolation		
7	Interpolation	Newton's Divided Difference		
8	Interpolation	Newton's Forward Difference Interpolation		
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11	Regression	Exponential Regression		
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13	Solving System of Linear Equation	Gauss Elimination Method		
13	Solving System of Linear Equation	Gauss Jordan Method		
14	Solving System of Linear Equation	Matrix Inversion by Gauss Jordan Method		
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19	Numerical Differentiation	Three Point Formula		
20	Numerical Differentiation	Derivative Using Newton's Forward Difference		
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22	Numerical Integration	Trapezoidal Rule		
23	Numerical Integration	Composite Trapezoidal Rule		
24	Numerical Integration	Simpson's 1/3 Rule		
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33	Solving Ordinary Differential Equation	Shooting Method		
34	Solving Partial Differential Equation	Laplace's Equation		
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