

APPLIED MATHEMATICS LAB PRACTICAL RECORD

PAPER CODE: ETMA 252**NAME OF STUDENT: BHARAT KUMAR****UNIVERSITY ROLL NO.: 12814802719****BRANCH: CSE****GROUP: 4C7**

Expno.	Experiment Name	Date of performance	Remarks	Marks(10)
1)	Perform addition, multiplication, transpose of the matrix with or without function	1/4 /21		
2)	Inverse of a 3 by 3 matrix using Gauss Jordan Method	8/4/21		
3)	Calculation of eigen values and eigen vectors of a matrix	15/4 /21		
4)	Numerical Methods for Finding Roots of Algebraic and Transcendental Equations	22/4 /21		
5)	Numerical Integration for Solving Definite Integrals	29/4 /21		
6)	Program to solve the equation $y'=f(x,y)$; $y(x_0)=y_0$ for $y(x_n)$ by using Runge-Kutta method of fourth order	20/5 /21		
7)	Program to solve the equation $y'=f(x,y)$; $y(x_0)=y_0$ for $y(x_n)$ by using Euler's method	20/5 /21		

8)	To plot unit step function and Square wave function.	27/5/21		
9)	Program to find mean, Sd and first r moment about mean of given n pair(x,f)	03/6/21		