

INDIAN INSTITUTE OF TECHNOLOGY, KHARAGPUR

DEPARTMENT OF MATHEMATICS

MA39110-ANT_LAB ASSIGNMENT-07

1. Write a MATLAB CODE to calculate cubic spline for the following 4 data points. Find $y(2.5)$ & $y'(3.5)$.

X	1	2	3	4
Y	1	5	11	8

2. Write a MATLAB CODE to calculate cubic spline for the following 3 data points. Find $y(0.5)$ & $y(1.5)$.

x	0	1	2
y	-5	-4	3