

SNS COLLEGE OF ENGINEERING Coimbatore - 641 107



## TUTORIAL-5

## CUBIC SPLINE AND NEWTON'S FORWARD INTERPOLATION

| Fit The Cabic Sp<br>Evaluate Y (1. | tine fai<br>5) giver | the.<br>The | clata , '<br>t | Hence<br>Yo" = 0 |   |
|------------------------------------|----------------------|-------------|----------------|------------------|---|
| a: 1 2 3<br>4: -6 -1 1             | 6                    |             | 0 04           | 6 x = 4.         | 3 |
| From the following                 | 60                   | 10          |                | 10               |   |
| 6: 184 204                         | +                    | -           |                | 1                |   |
| From the selloco<br>Lan 45°15'.    |                      |             |                | c vance          | 8 |
| a°:45 46                           | 47                   | 48          | 49             | 50               |   |
| Lanzo : 1.00000 1.0355             | 3 1.07287            | -11061      | 1.15057        | 1-19175          |   |
|                                    |                      |             |                | Del le           | _ |