

SNS COLLEGE OF ENGINEERING

Coimbatore - 641 107



## **TUTORIAL-6**

1)	Using Lagrang data:	e's interpola	atic	on, cal	cula	ate t	he	prof	fit in the	year 200	0 from the followin (M/J 2012)
		Year: Profit Lakhs Rs.			1997 43				2001 159	2002 248	
Fin	d $f(3)$ by New	ton's divide	ed	differe	ence	e fo	rm	ula f	or the f	ollowing	data: (M/J2014
		<i>x</i> :		-4	-	-1	0	2	5		_0'
		f(x)		1245	3	3	5	9	1335	(	
							с: v:	-1 -1	0	L 2 3 35	
Fin	d the cubic po	ynomial w	hic	h take	es ti	he f	ollo	owir	ng value	is:	
	A	7.						(	M/J 20	12),(M/J	2013),(N/D 2014)
	1	<i>x</i> :		1							
	A	f(x):	1	2	1	10					