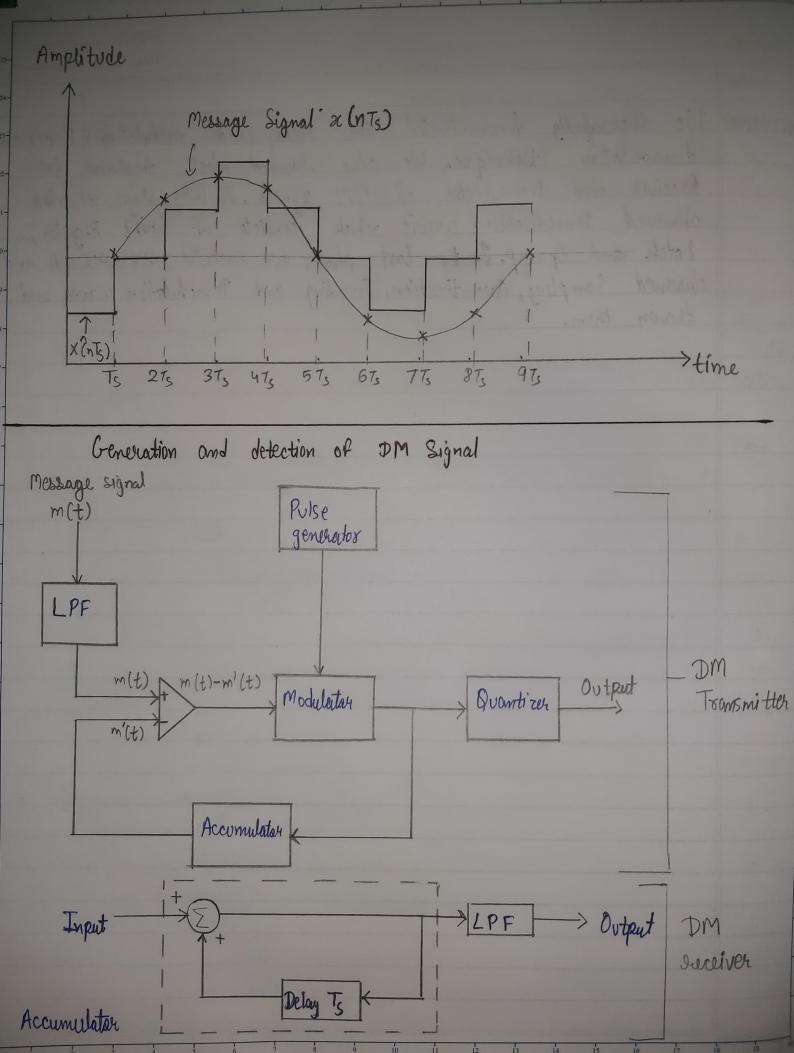
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AIM:	To demonstrate the delta modulation (DM) and demodulation technique.
SOFT WARE	MATLAB
THEORY:	Delta modulation is a technique used to convert analog-to-digital and digital—to-analog signal.
-	In this modulation signal is sent in differential form, the data is encrypted / toansmitted in I bit.
-	The analog signal is approximated with series of segments and each segment is compared to osiginal analog to determine the change in relative amplitude.
-	Hence, anly changes in information is sent and if no change occurs it rumains on the same state.
	This is the simplified form of Differential Pulse Code Modulation and also called as I-bit (2 level) version of DPCM.
~	Et provides a staircase appraximation of over-sampled base-band signal. Here, the difference between the present sample and previous approximated sample is quantized into two levels i.e. ± a (delta).
-	This is used for voice transmission.
vision	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18  Teacher's Signature:



Teacher's Signature:

Vision

Waveform supresentation of Delta Modulated Signal. ult) mlt) Amplitude Binary-Sequence

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Expt. No.	
AIM:	(when A is small) and granular noise (when A is large).
5.	Applications of delta modulation.
	Et is widely used in radia communication devices and digital voice storage and voice transmission.
visio	Teacher's Signature :

