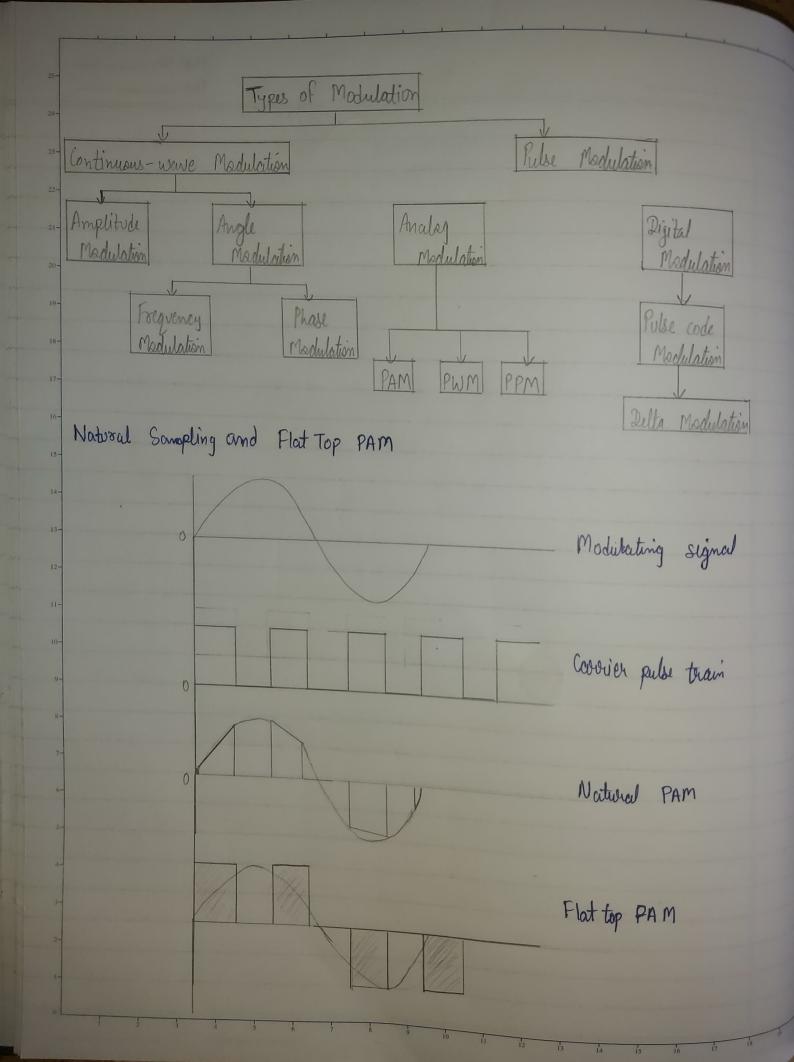
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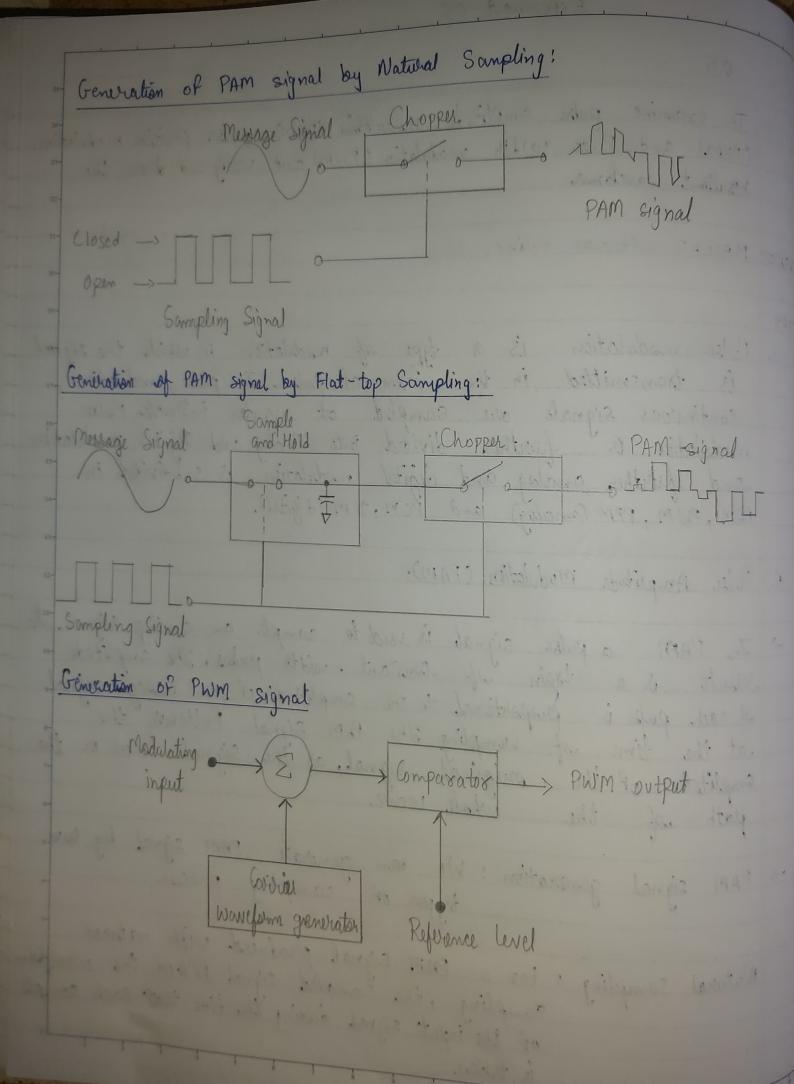
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Flat-top Sampling: In this type of Sampling, a sample and hold circuit is used to hold the amplitude of each pulse at a constant level.

- 3. Pulse Width Modulation (PWM)
- Jn this type, the amplitude is maintained constant but the duration was length of width of each pulse is varied in accordance with instantaneous value of the analog signal.
- 4. Pulse Position Modulation (PPM)
- > In this type of modulation, both the amplitude and width of the public are kept constant we vary the position of each public according to the instant anexus sampled value of the message signal.
- -> PPM is Prother modification of PWM.

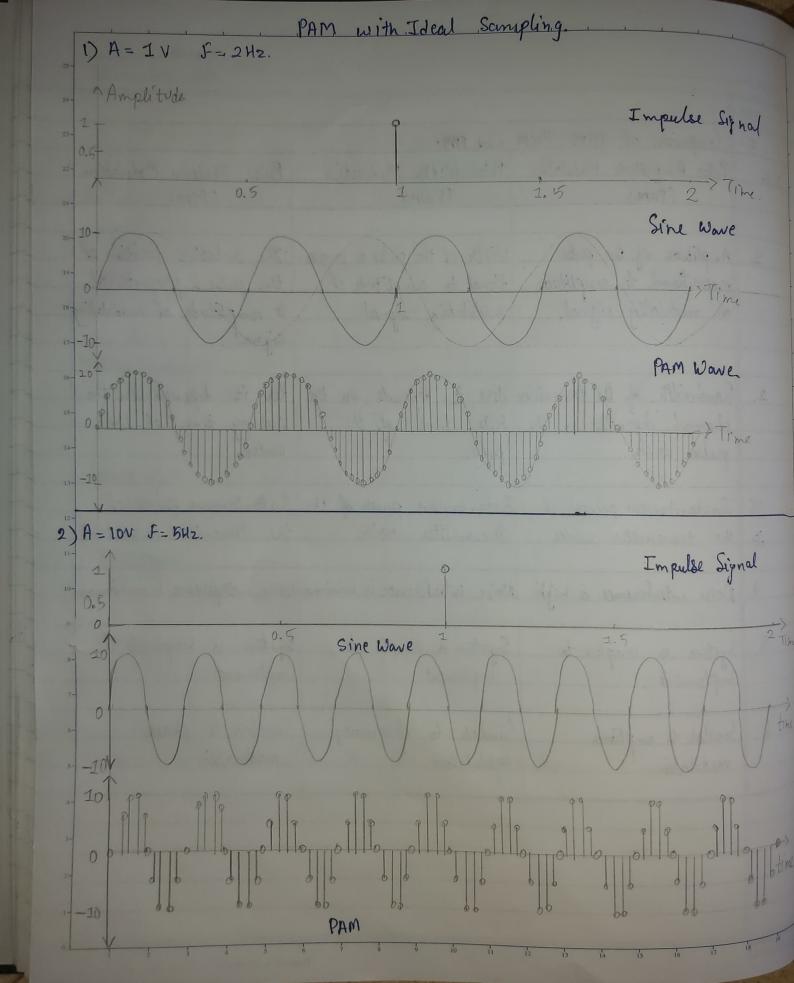


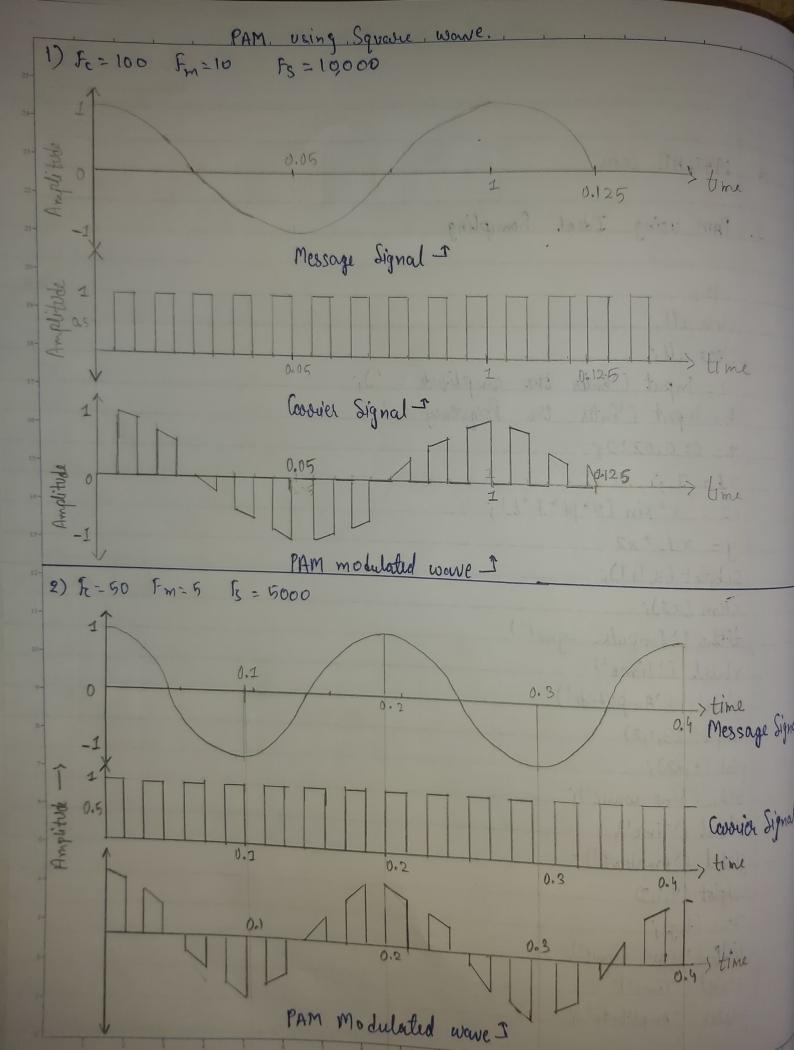
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IM:	2 line in the second	and PPM:	
5.	Conquison of PAM, PWM Pulse Amplitude Modulation (PAM)	Pulse Width Modulation	Pulse Position Modulation
Salla	(Pam)	(PWM)	(PPM)
	TREA		
	Amplitude of the pulse	Width of the pulse is propor-	The relative position of
1	proportional to amplitude	tional to amplitude of	the pulse is proportional
	of modulating signal.	modulating signal	to amplitude of modulating
	J	5	Signal
	well Mills		Has it depends on the
2,	Bandwidth of the transmission	Here, it depends son the	Here, it defends on the
	channel depends on the	ouse and	suising time of the
	pulse width.	Pulse.	
		Instantaneous power of the	Instantaneous power of
3	Instantaneous power of	transmitter varies.	the transmitter is constant.
	the transmitter varies		
10	1 - 1 - Co - 2 1 - 12h	Daice interference is minimum	Noise interference is minimum
4.	Noise interference is high	100186 171 001700	
5	C + i c el + te	System is simple to	System is simple to implement
<u> </u>	System is complex to implement	implement	implement
	THE COMMINICAL STREET OF THE PROPERTY OF THE P		0 1/4 (alau
6	Similar to amplitude	Similar to frequency	Similar to phase
	madulation	madulation	modulation

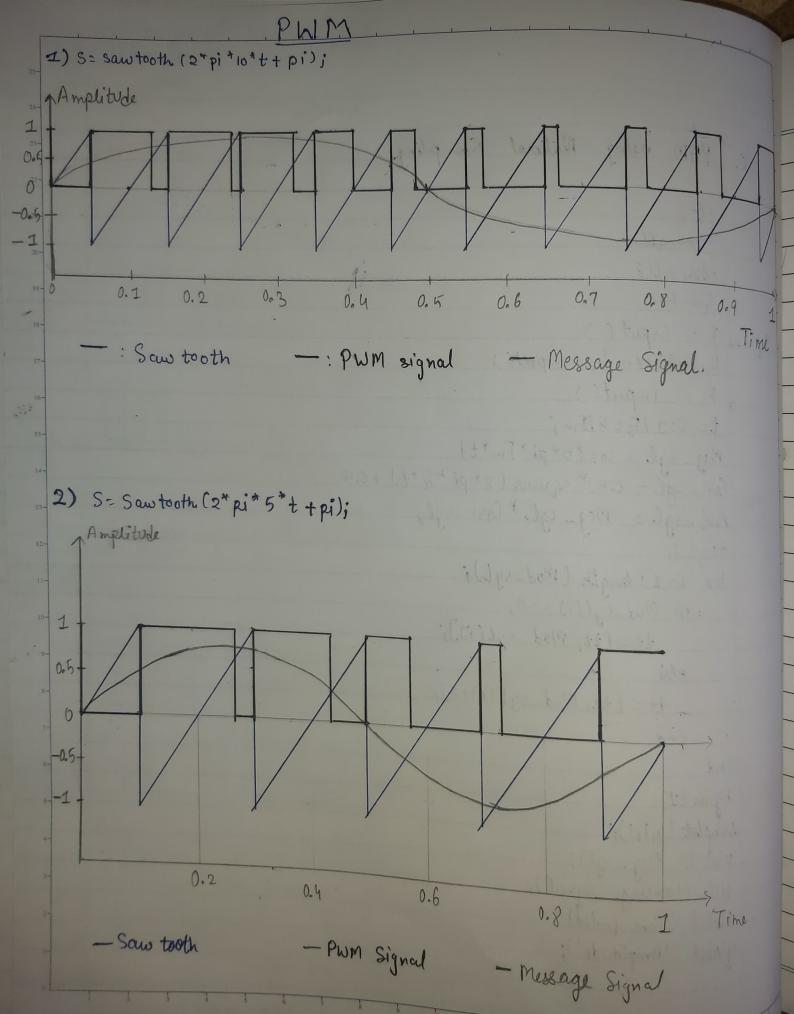
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Generation of PPM signal Input signal . : PPM signal Monostable Compositor Multivibrator toutach a Signal Message Signal mlt) Covorier signal (lt)-PWM signal PPM signal Waveform supresentation of PPM Signal Pheration.

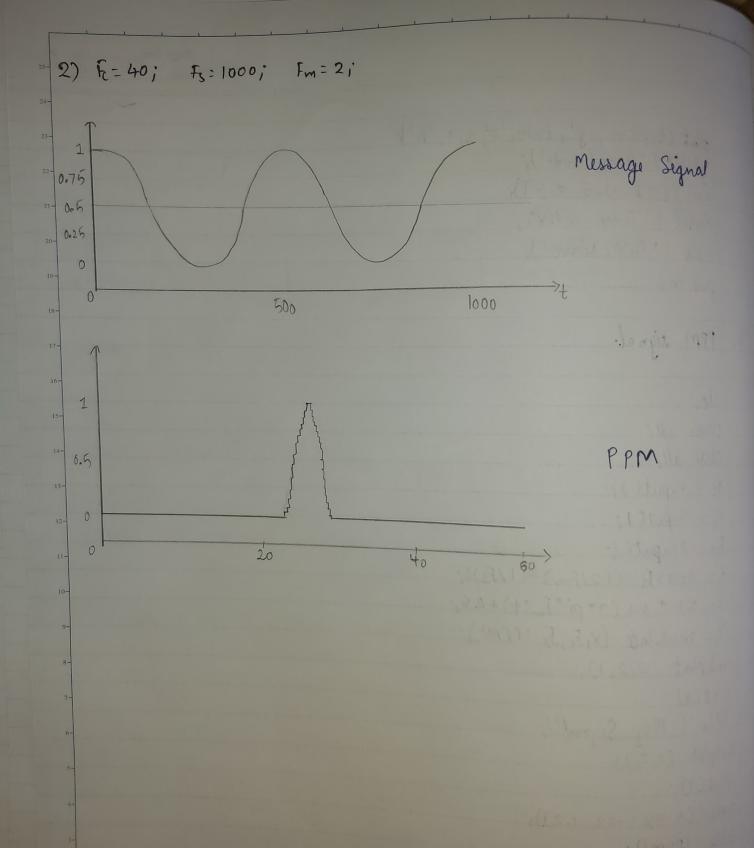






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	We also illustrated circuits for PAM and PWM. We performent Successfully using MATLAS.	Dosition
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