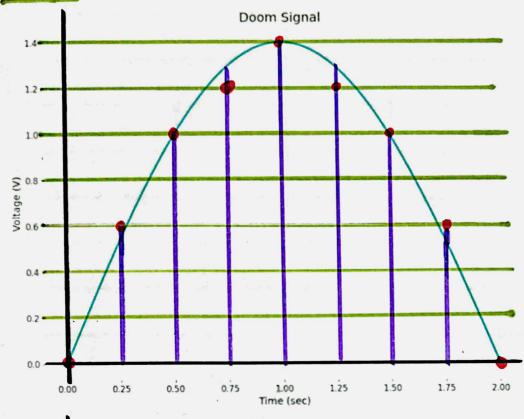
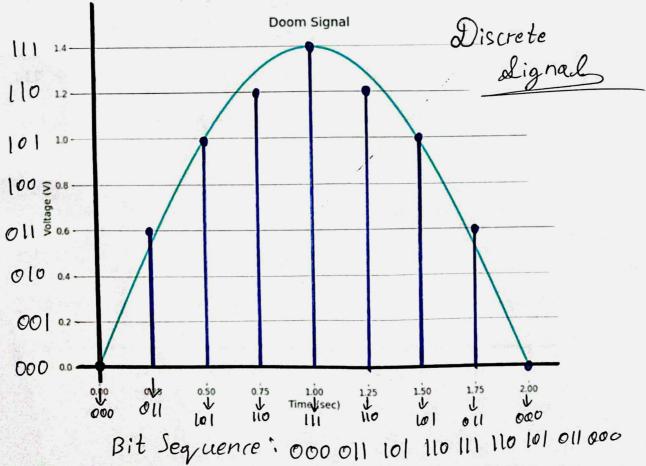
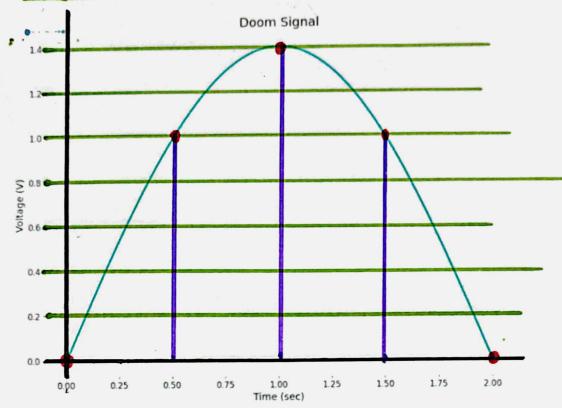
Problem 5.2

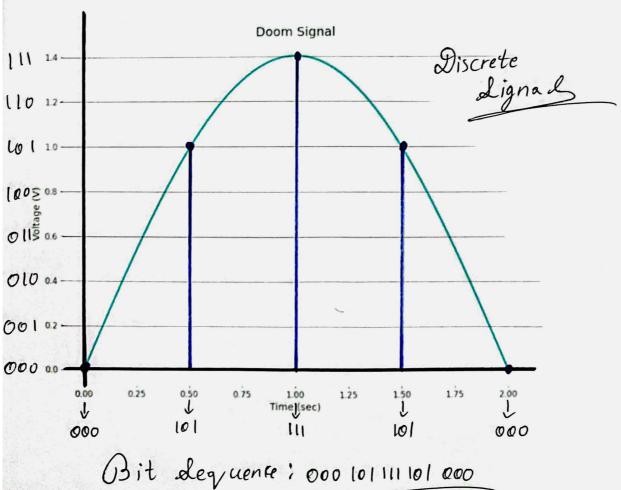
❖ 3-bit encoder with Sampling Time = 0.25sec:



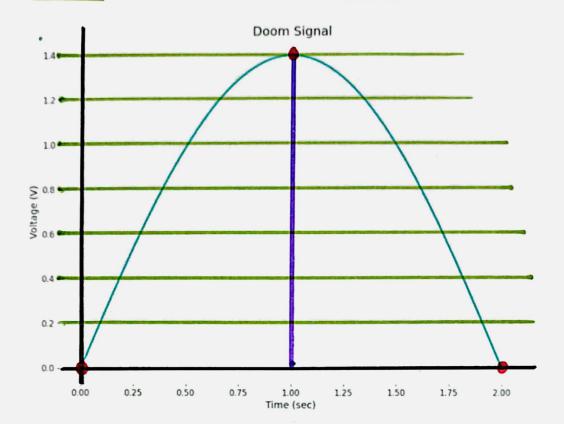


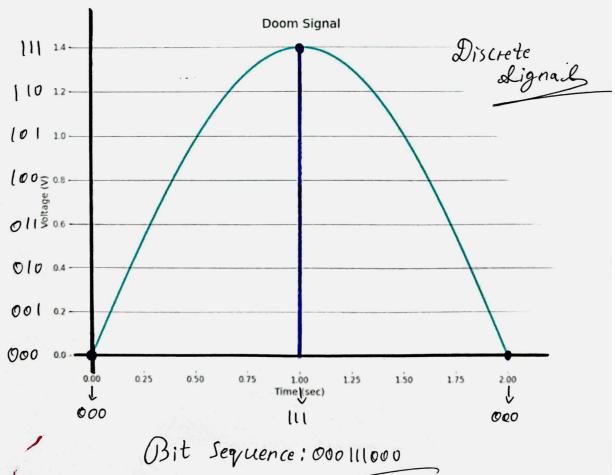
❖ 3-bit encoder with Sampling Time = 0.5sec:



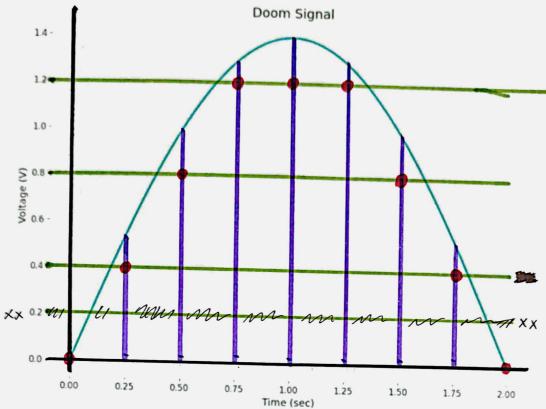


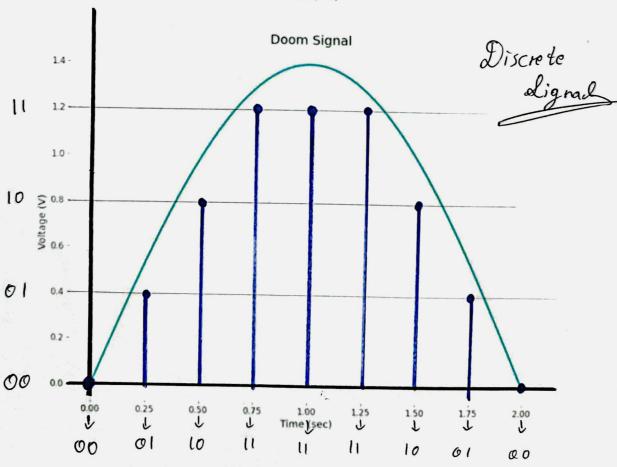
❖ 3-bit encoder with Sampling Time = 1sec:





2-bit encoder with Sampling Time = 0.25sec:





Bit Lequence : 000/10/11/11/100/00

* Conclusion: @AS Sample Time increases, accuracy decreases because some details are Lost.

@AS No. of bits decreases

& For best Result, increase novof bibs & & decrease sampling time