auantization a digital signal in the form of digits. First me get samples of this signal at different time instants it of the to the signal instant, samples of the signal Now Signal is a discrete time signal which is defined only at sampling instants. However, since the magnitude of each sample can take any value in a continuous range, signal is still an analog signal. a process known as quantisation. In Quantization To tal amplitude Range which a signal many occupy is divided into a no

-1-15

of standard levels,
As shown in Fig3, amplitude of signal x(t) lies in the range (-mp, mp) which is divided into L interals each of Magnitude Dv = 2 mp. Now each sampled is vounded off to the nearest quantized level as shown in Fig 3. Non Info is digitized.

