

Communication Systems

Lecture - 10

Dr. Tarun Kumar Dey,

Associate professor. Department of Physics

L.S College; BRA Bihar University,

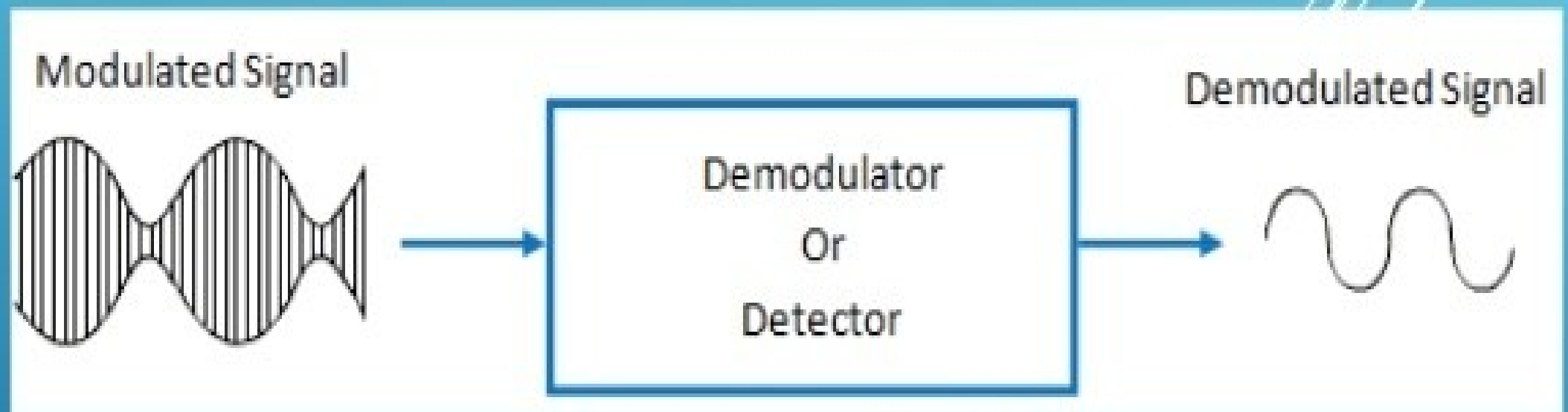
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Youtube channel - Tarun Kumar Dey

Online Course Link -

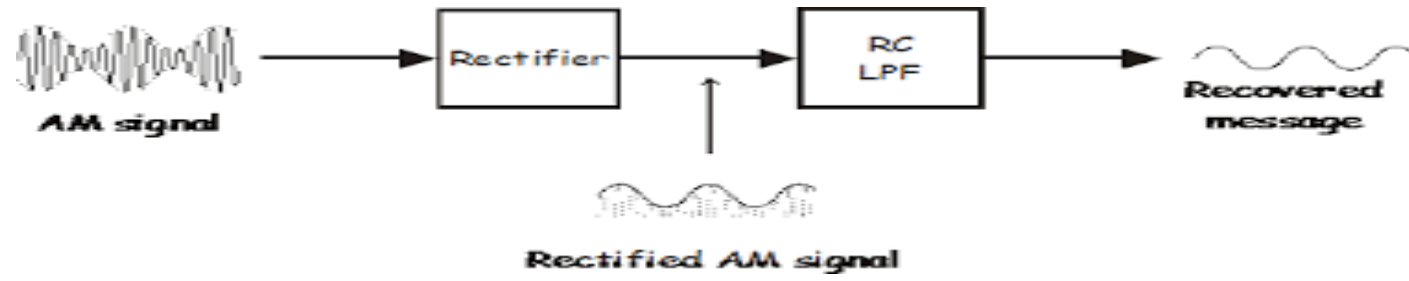
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DEMODULATION OF AMPLITUDE MODULATED SIGNAL



Demodulation : The process of recovering the modulating signal from the modulating carrier wave is called demodulation or detection .

The circuit performs this function is called demodulator or detector .



The block diagram of a detector for AM signal

The signal received by the detector contains the angular frequencies ω_c , $\omega_c + \omega_m$ and $\omega_c - \omega_m$.

In order to separate ω_m i.e., to obtain modulating signal, a simple AM

Signal detector diode

