

SYLLABUS :-

Pre-requisites: EC31002 Baseband, narrowband and wideband signals and noise representation. Characteristics of communication channels. Linear and optimal filtering, Baseband binary signal transmission, intersymbol interference, bit time recovery and errors, partial response signaling, line codes. M-ary signals, orthogonal representation, Gram-Schmidt procedure, signal space concepts, bandwidth efficient digital modulation techniques, carrier synchronization. Spread spectrum techniques, codes, transmitters, receivers, performance, analysis.