SUBJECT NO-EC60083, SUBJECT NAME- INFORMATION THEORY

LTP- 3-0-0,CRD- 3

SYLLABUS :-

Pre-requisites: EC21004 or EE (Signals and networks) Sources-memoryless and Markov; Information; Entropy; Extended sources; Shanons noiseless coding theorem; Source coding; Mutual information; Channel capacity; BSC and other channels; Shanons channel capacity theorem; Continuous channels; Comparison of communication systems based on Information Theory; Channel Coding; Block and convolutional codes; majority logic decoding; Viterbi decoding algorithm; Coding gains and performance