

## NPTEL Video Lecture Topic List - Created by LinuXpert Systems, Chennai

NPTEL Video Course - Electronics and Communication Engineering - Pattern Recognition and Application

Subject Co-ordinator - Prof. P.K. Biswas

Co-ordinating Institute - IIT - Kharagpur

Sub-Titles - Available / Unavailable | MP3 Audio Lectures - Available / Unavailable

- Lecture 1 - Introduction
- Lecture 2 - Feature Extraction - I
- Lecture 3 - Feature Extraction - II
- Lecture 4 - Feature Extraction - III
- Lecture 5 - Bayes Decision Theory
- Lecture 6 - Bayes Decision Theory (Continued.)
- Lecture 7 - Normal Density and Discriminant Function
- Lecture 8 - Normal Density and Discriminant Function (Continued.)
- Lecture 9 - Bayes Decision Theory - Binary Features
- Lecture 10 - Maximum Likelihood Estimation
- Lecture 11 - Probability Density Estimation
- Lecture 12 - Probability Density Estimation (Continued.)
- Lecture 13 - Probability Density Estimation (Continued.)
- Lecture 14 - Probability Density Estimation (Continued.)
- Lecture 15 - Probability Density Estimation (Continued.)
- Lecture 16 - Dimensionality Problem
- Lecture 17 - Multiple Discriminant Analysis
- Lecture 18 - Multiple Discriminant Analysis (Tutorial)
- Lecture 19 - Multiple Discriminant Analysis (Tutorial)
- Lecture 20 - Perceptron Criterion
- Lecture 21 - Perceptron Criterion (Continued.)
- Lecture 22 - MSE Criterion
- Lecture 23 - Linear Discriminator (Tutorial)
- Lecture 24 - Neural Networks for Pattern Recognition
- Lecture 25 - Neural Networks for Pattern Recognition (Continued.)
- Lecture 26 - Neural Networks for Pattern Recognition (Continued.)
- Lecture 27 - RBF Neural Network
- Lecture 28 - RBF Neural Network (Continued.)
- Lecture 29 - Support Vector Machine

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## NPTEL Video Lecture Topic List - Created by LinuXpert Systems, Chennai

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- Lecture 30 - Hyperbox Classifier
- Lecture 31 - Hyperbox Classifier (Continued.)
- Lecture 32 - Fuzzy Min Max Neural Network for Pattern Recognition
- Lecture 33 - Reflex Fuzzy Min Max Neural Network
- Lecture 34 - Unsupervised Learning - Clustering
- Lecture 35 - Clustering (Continued.)
- Lecture 36 - Clustering using minimal spanning tree
- Lecture 37 - Temporal Pattern recognition
- Lecture 38 - Hidden Markov Model
- Lecture 39 - Hidden Markov Model (Continued.)
- Lecture 40 - Hidden Markov Model (Continued.)