



SREEPATHY INSTITUTE OF MANAGEMENT AND TECHNOLOGY IEEE STUDENTS BRANCH

Techtalk on 21 Mar 2015 at 2:00 PM

IEEE Student Branch of SIMAT proudly invites you to attend the first in the **EXPERT TALK SERIES** planned by IEEE-ISTE-IE groups of SIMAT.

Topic : An Introduction to Pattern Recognition
Speaker : Mr. Hari C V, Research Scholar, NIT Calicut
Date & Time : 21st March 2015, Saturday, 01:30 - 03:30 PM
Venue: SIMAT Seminar Hall
Relevant to : CSE, ECE & EEE Branches

Topic Description:

Pattern recognition is a part of machine learning and it is concerned with the automatic detection or classification of objects or events. The main objective of a pattern recognition system is to assign an object or an event to one of the several pre-specified categories. The objects or situations to be classified is called as samples or patterns. The set of samples used for the system design is called training set. Pattern recognition algorithms generally aim to provide a reasonable answer for all possible samples and to perform "most likely" matching of the samples with these training sets, taking into account their statistical variations.

Some Applications of Pattern Recognition:

1. Human speech recognition by computers
2. Gender Identification
3. Character Recognition
4. Medical Diagnostics
5. Sorting of materials
6. Identification of people from fingerprints, voice, retinal scans etc
7. Analysis of satellite pictures to determine agricultural crops, weather etc