ISE CERTIFICATION COURSE DETAILS

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SEMESTER:	8	MENTOR:	Mr. Sharan Pais
COURSE NAME:	The support vector machines in python- SVM in python 2019	DATE:	21-05-2020

SCREENSHOT:
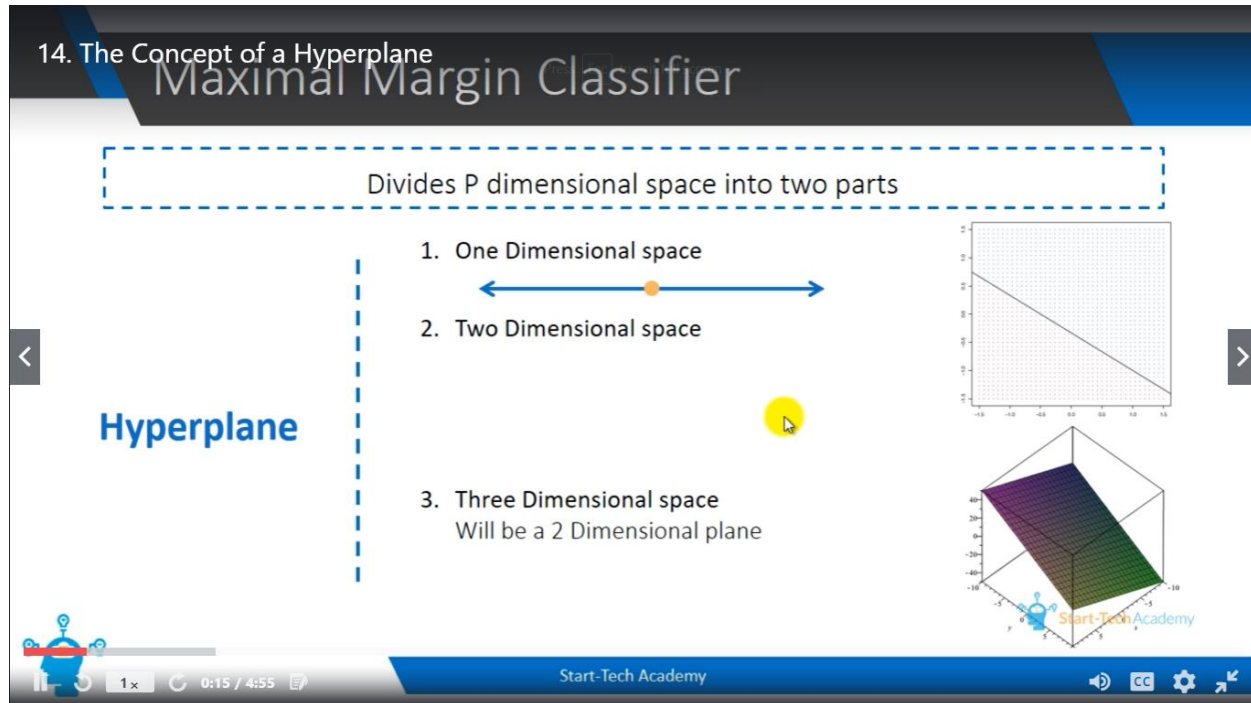
BRIEF REPORT: (POINT-WISE)

1). Covers basic SVM models to Kernel-based advanced SVM models of Machine Learning

2). List is a collection which is ordered and changeable. Allows duplicate members. Tuple is a collection which is ordered and unchangeable. Allows duplicate members. Set is a collection which is unordered and unindexed. No duplicate members. Dictionary is a collection which is unordered, changeable and indexed. No duplicate members.

3). NumPy is a Python package which stands for 'Numerical Python'. It is the core library for scientific computing, which contains a powerful n-dimensional array object, provide tools for integrating C, C++ etc. It is a multidimensional array used to store values of same datatype. These arrays are indexed just like Sequences, starts with zero.

4). Pandas is a high-level data manipulation tool developed by Wes McKinney. It is built on the Numpy package and its key data structure is called the Data frame. Data frames allow you to store and manipulate tabular data in rows of observations and columns of variables.

5). Seaborn is a Python data visualization library based on matplotlib. It provides a high-level interface for drawing attractive and informative statistical graphics. It is built on top of matplotlib and closely integrated with pandas data structures

6). The business applications of SVM are face detection, text categorization, bioinformatics, image classification, generalized predictive control, handwriting recognition etc.