**Additional Resources for Session 7**

The following are a few Reference Material Links that will help you get more idea about the topics that are going to be discussed:

Linear Separability and the XOR Problem

http://www.ece.utep.edu/research/webfuzzy/docs/kk-thesis/kk-thesis-html/node19.html

https://www.packtpub.com/mapt/book/big_data_and_business_intelligence/9781783988365/8/ch08lvl1sec59/limitations-of-the-perceptron

Multi class classification using MLP

http://scikit-learn.org/stable/modules/neural_networks_supervised.html

http://users.jyu.fi/~nieminen/dm2010mlp/dm_mlp.pdf

https://machinelearningmastery.com/multi-class-classification-tutorial-keras-deep-learning-library/

Back Propagation

http://neuralnetworksanddeeplearning.com/chap2.html

https://mattmazur.com/2015/03/17/a-step-by-step-backpropagation-example/

https://www.coursera.org/learn/machine-learning/lecture/1z9WW/backpropagation-algorithm

Nonlinear Feature Maps and linear algorithms

https://www.quora.com/In-machine-learning-what-is-a-feature-map?utm_medium=organic&utm_source=google_rich_qa&utm_campaign=google_rich_qa

https://wiki.openstreetmap.org/wiki/Map_Features

https://towardsdatascience.com/activation-functions-in-neural-networks-58115cda9c96

https://www.cs.cmu.edu/~epxing/Class/10701-11f/Lecture/lecture5.pdf

Predicting in time

https://machinelearningmastery.com/time-series-forecasting/

https://machinelearningmastery.com/make-predictions-time-series-forecasting-python/

Basic issues in Machine Learning

https://machinelearningmastery.com/basic-concepts-in-machine-learning/

http://ttic.uchicago.edu/~pengjian/MLCourse/intro.pdf

https://machinelearningmastery.com/practical-machine-learning-problems/