Digital Lync

DEEP LEARNING

COURSE CURRICULUM

- **Deep learning (40 days)**

  Introduction to Neural Networks (2 days)

  > Weights, Biases,

  > Activation function

  > Gradient Decent or Error function

  > Epoch, Forward & backward propagation

- **Multi-layered Neural Networks**

  > Error backpropagation issues

  > Drop out

- **Regularisation techniques (L1, L2)**

  > Lasso - L1

  > Ridge - L2

- **Deep Learning Libraries (8 days)**

  > Tensorflow

  > Keras

  > Caffen

  > Theano

- CNN: Convolution Neural Networks (3 days)
- RNN: Recurrent Neural Networks (3 days)
- LSTM: Long Short Term Memory (3 days)
- Markov chain
- Re-enforcement Learning: Q-Learning

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EDUCATION – INNOVATION – INCUBATION

HEADQUARTERS

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