SLOG SOLUTIONS PRIVATE LIMITED
TECHNOLOGY: DEEP LEARNING
DURATION: MODULE 1 (4 WEEKS)

MODULE 1:

WEEK : 1
DEEP LEARNING
- Introduction to Neural Network
- Learning types
- Why Deep Learning

Neural Networks Basics
- Binary classification
- Logistic regression
- Logistic regression cost Function

WEEK : 2
- Gradient descent
- Derivatives
- Computation graph
- Derivatives with Computation graph
- Vectorization
- Vectorizing logistic regression

WEEK : 3
Shallow Neural Netwoks

- Neural Network overview
- Neural network representation
- Computing a neural network Output
- Activation function
- Non-linear activation function
- Backpropagation intuition
- Random initialization

WEEK : 4
Deep Neural Network

- deep l-layer neural network
- Forward propagation in deep network
- Matrix dimension
- Deep representation
- Building block of deep neural netwoks
- Forward and Backward propagation
- Parameters vs. Hyperparameters

SLOG
SOLUTIONS PVT. LTD.

SLOG SOLUTIONS PVT.LTD.
HELPLINE 7456000240/7456000241
www.slogsolutions.com