

Deep Learning Training

Duration

2 Days

Course Outline

Day	Topics Covered
1	<ul style="list-style-type: none"> • Introduction to Deep Learning <ul style="list-style-type: none"> ○ History ○ Recap: Machine Learning • Perceptron <ul style="list-style-type: none"> ○ Basic Neural Network model ○ Back Propagation • Multi-level Perceptron <ul style="list-style-type: none"> ○ Layered Architecture ○ Advantages and limitations
2	<ul style="list-style-type: none"> • Text Processing <ul style="list-style-type: none"> ○ Introduction to NLP ○ Word2Vec • Convolution Neural Networks <ul style="list-style-type: none"> ○ Convolution/Filter window ○ Image Processing • Recurrent Neural Network <ul style="list-style-type: none"> ○ Sequence tagging ○ Memory models: LSTM, GRU

Note:

1. The trainer will demonstrate the concepts using Python. But the course does not include any hands-on programming assignments.
2. Throughout the training the trainer will take up various practical examples.
3. We would expect the participants to have some basic background on Computer Programming (preferably Python) and Machine Learning.