Workshop on AI and Deep Learning

Session Coverage

Day 1	
Session 1 9.00-11.00	**Motivation** Foundations and Terminology of Deep Learning
Session 2 11.30-1.30	**Machine Learning Basics** Linear Regression, Logistic Regression Gradient Descent
Session 3 2.15-4.00	**Designing & Optimizing Neural Network Model** Building Deep Models and Hyperparameter Tuning
Session 4 4.30-6.30	**Deep Learning Hacks** System/project level tricks and regularization strategies
Day 2	
Session 1 9.00-11.00	**Convolutional Neural Network** Computer Vision with CNNs
Session 2 11.30-1.30	**Applications of Convolutional Neural Network** Object detection, face recognition,
Session 3 2.15-4.00	**Recurrent Neural Network** Sequence Modelling with RNNs, GRUs, LSTM
Session 3 4:00 -5.30	**Applications of Recurrent Neural Network** Sentiment Analysis, Machine Translation, Attention modelling
Session 4 5.30-6.30	**Assessment**