

FDP on Deep Learning at NIT Andhra Pradesh (May 13th to May 18th 2019)

Date	Topics			
	Session1 (9.00-10.30)	Session2 (10.45-13.15)	Session3 (13.45-15.15)	Session4 (15.30-17.30)
13-05-19	Inaugural	Introduction to Machine Learning (Prof. R. B. V. Subramanyam)	Deep Learning (Prof. R. B. V. Subramanyam)	Hands-on session for Deep Learning Frameworks: Tensorflow (Mr. N. Satya Krishna)
14-05-19	Energy based Models, RBM	Auto Encoders, Variational Auto Encoders	Adversarial Learning	Optimization in Deep Learning
15-05-19	Sequence Labeling using CRF	Design of Recurrent Neural Networks/LSTM	Hands-on session on LSTM -I	Hands-on session on LSTM -II
16-05-19	Design of CNN for Image Analysis	Fast RCNN, GAN	Image Classification, Semantic Segmentation	Object Localization, Super Resolution
17-05-19	Attention Models for Sequence Labeling	Image Captioning using Attention	Question Answering using Attention	Learning Architectures for Anomaly Detection
18-05-19	Word Embedding Models	Mixed Script Text Analysis	Tagging/ Named Entity Recognition using Deep Learning	Quiz/Valedictory
	Resource Persons			
	Prof. R. B. V. Subramanyam	NIT Warangal		
	Dr. Anand Kumar	NIT Suratkal		
	Dr. K. Sri Phani	NIT Andhra Pradesh		
	Dr. K. Himabindu	NIT Andhra Pradesh		
	Dr. S. Karthick	NIT Andhra Pradesh		
	Dr. S. Nagesh Bhattu	NIT Andhra Pradesh		