



February 04-08, 2019

NITTTR Kolkata, Block-FC, Sector-III, Salt Lake, Kolkata 700106, INDIA

[Day-01] Monday February 04, 2018		
08:45-09:00	Registration	
09:00-09:30	Inauguration	
09:30-10:30	Session-01 Dr. Kamlesh Tiwari	Introduction to Machine learning
10:30-11:30	Session-02 Dr. Kamlesh Tiwari	Basics of Machine Learning
11:30- 12:00	Tea Break	
12:00-13:00	Session-03 Dr. Kamlesh Tiwari	Bayesian Learning
13:00-14:00	Lunch Break	
14:00-15:30	Session-04 Suresh K. Chaudhary	Curse of Dimensionality, SVD and PCA
15:30-16:00	Tea Break	
16:00-17:00	Session-05 Dr. Kamlesh Tiwari	Naïve Bayes Classification, Bayesian Belief Networks
17:00-18:30	Lab-01	<b>Hands-On session:</b> Python, Numpy, Pandas, Jupyter Notebook. Project on SVD and PCA, implementation of linear regression
18:30-19:00	Tea	
[Day-02] Tuesday February 05, 2019		
09:30-10:30	Session-06 Dr. Kamlesh Tiwari	MDL+HMM
10:30-11:30	Session-07 Dr. Kamlesh Tiwari	Concept Learning
11:30-12:00	Tea Break	
12:00-13:00	Session-08 Dr. Filippo Geraci	Multi-class Text classification
13:00-14:00	Lunch Break	
14:00-15:30	Session-09 Dr. Kamlesh Tiwari	Classification, K-NN, Decision Tree, C4.5, Random Forest
15:30-16:00	Tea Break	
16:00-17:00	Session-10 Dr. Indrajit Saha	Multi-objective Clustering
17:00-18:30	Lab-02	<b>Hands-On session:</b> Project demonstration using KNN, Decision tree, Random forest, HMM. Clustering using k-means
18:30-19:00	Tea	
[Day-03] Wednesday February 06, 2019		
09:30-10:30	Session-11 Dr. Kamlesh Tiwari	Linear Model of classification
10:30-11:30	Session-12 Dr. Arun Chauhan	Logistic Regression
11:30- 12:00	Tea Break	



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12:00-13:00	Session-13 Dr. A K Bhateja	Biometric Based Fuzzy vault
13:00-14:00	Lunch Break	
14:00-15:30	Session-14 Dr. Kamlesh Tiwari	SVM, VC-Dimension
15:30-16:00	Tea Break	
16:00-17:00	Session-15 Dr. Kamlesh Tiwari	Genetic Algorithms and Reinforcement Learning
17:00-18:30	Lab-03	<b>Hands-On session:</b> Project demonstration using Logistic regression Navie Bayes, SVM
18:30-19:00	Tea	
<b>[Day-04] Thursday February 07, 2019</b>		
09:30-10:30	Session-16 Dr. Kamlesh Tiwari	Neural Networks
10:30-11:30	Session-17 Dr. Aditya Nigam	Training of Neural Networks, Backpropogation
11:30- 12:00	Tea Break and Photo Session	
12:00-13:00	Session-18 Dr. Aditya Nigam	Deep Learning
13:00-14:00	Lunch Break	
14:00-15:30	Session-19 Dr. Mitesh Khapra	Convolution Neural Networks (CNN)
15:30-16:00	Tea Break	
16:00-17:00	Session-20 Dr. Surya Prakash	Biometric Template Security
17:00-18:15	Lab-04	<b>Hands-On session:</b> project demonstration using neural network, deep learning- RNN, LSTM, CNN
18:15-19:00	Session-21 Dr. Phalguni Gupta	Valedictory Session
20:00-22:00	Workshop Dinner	
<b>[Day-05] Friday February 08, 2019</b>		
09:30-10:30	Session-22 Dr. Aditya Nigam	Autoencoders
10:30-11:30	Session-23 Dr. Kamlesh Tiwari	RNN, LSTM
11:30- 12:00	Tea Break	
12:00-13:00	Session-24 Dr. Aditya Nigam	GAN
13:00-14:00	Lunch Break	
14:00-15:30	Session-25	<b>Penal Discussion:</b> Dr. Phalguni Gupta, Dr. Aditya Nigam, Dr. Kamlesh Tiwari
15:30-16:00	Tea Break	
16:00-17:00	Lab-05	<b>Hands-On session:</b> Demonstration using GAN