



December 15-18, 2019

Day-1: SUNDAY DECEMBER 15, 2019		Day-2: MONDAY DECEMBER 16, 2019		Day-3: TUESDAY DECEMBER 17, 2019		Day-4: WEDNESDAY DECEMBER 18, 2019	
09:00 - 09:40AM NAB-Audi	Registration & Inauguration	09:00 - 10:00AM NAB-6106	Clustering and Discriminant Functions (Prof. B.K. Rout)	09:00 - 9:45AM NAB-Audi	Expert Talk (NSDC)	09:00 - 9:45AM NAB-6106	Security & Deep Learning (Dr. Ashutosh Bhatia)
09:40 - 10:00AM	High Tea	10:00 - 11:30AM NAB-6106	Training, Regularization, FC Networks, Backpropagation (Dr. S. Lovelyn Rose)	09:45 - 10:30AM NAB-6106	Private AI: Federated Learning and Data Encryption (Prof. Navneet Goel)	09:45 - 10:30AM NAB-6106	Applications and Case Studies (Prof. A.P. Singh)
10:00 - 11:00AM NAB-Audi	Keynote Talk (skype) (Prof. Santanu Chaudury)	11:30 - 11:40AM	Tea Break	10:30 - 11:30AM NAB-6106	Object Detection and Localization (Dr. Aditya Nigam)	10:30 - 11:30AM NAB-6106	Siamese Networks (Geetika Arora/Daksh Thapar)
11:00 - 12:00AM NAB-Audi	Computer Vision & Deep Learning (Prof. Chetan Arora)	11:40 - 01:10PM NAB-6106	Convolutional Neural Networks (CNN) (Dr. Kamlesh Tiwari)	11:30 - 11:40AM	Tea Break	11:30 - 11:40AM	Tea Break
12:00 - 12:10AM	Tea break	01:10 - 02:00PM VFAST	LUNCH	11:40 - 01:10PM NAB-6106	RNN & LSTM (Dr. Kamlesh Tiwari)	11:40 - 01:10PM NAB-6106	Generative Adversarial Networks (GAN) (Dr. Aditya Nigam)
01:10 - 02:00PM VFAST	LUNCH	02:00 - 03:15PM NAB-6106	Basics of Machine Learning (Dr. Kamlesh Tiwari)	01:10 - 02:00PM VFAST	LUNCH	01:10 - 02:00PM VFAST	LUNCH
02:00 - 03:15PM NAB-6106	Basics of Machine Learning (Dr. Kamlesh Tiwari)	03:15 - 03:30PM	Tea break	02:00 - 03:30PM NAB-6106	Autoencoders & VAE (Dr. Aditya Nigam)	02:00 - 03:00PM NAB-Audi	Panel Discussion (NSDC, Prof. Chandrashekhar, Mr. Deepak Vishwakarma, Prof. A.P. Singh, Prof. Navneet Goel)
03:15 - 03:30PM	Tea break	03:30 - 04:45PM NAB-6106	Perceptron (Dr. S. Lovelyn Rose)	03:30 - 03:45PM	Tea Break	03:00 - 03:15PM	Tea Break
03:30 - 04:45PM NAB-6106	Perceptron (Dr. S. Lovelyn Rose)	03:45 - 04:00PM	Tea Break	03:30 - 03:45PM	Tea Break	03:15 - 04:00PM NAB-Audi	Valedictory Session
04:45 - 06:00 PM	Lab 01 - Introduction to Keras & Fully Connected Networks	04:00 - 06:00 PM	Lab 02 - Convolutional Neural Networks (CNN)	03:45 - 06:00 PM	Lab 03 - RNN & LSTM, Autoencoders	04:00 - 06:00 PM	Lab 04 - VAE and GAN

