June 12-16, 2023

Day-1: MONDAY JUNE 12, 2023 — Introduction and Basics

Time	Session
08:30AM DLT-09	Registration & Inauguration
08:50AM	High Tea
09:00AM DLT-10	Keynote: Magic of DL (Prof. Chetan Arora)
10:00AM DLT-10	Basics of Machine Learning (Dr. Kamlesh Tiwari)
11:00AM DLT-10	FC Neural Networks (Dr. Aditya Nigam)
12:00PM	LUNCH
01:45 PM DLT-10	Training, Evaluation and Regularization (Dr. Kamlesh Tiwari)
03:00 - 03:15 PM	Tea break
03:15 - 05:45PM DLT-10	Lab 01 – Introduction Fully Connected Networks

Day-2: TUESDAY JUNE 13, 2023 — Computer Vision

Time	Session
09:00AM DLT-10	Deep Learning in Computer Vision (Prof. Chetan Arora)
10:00AM DLT-10	Convolutional Neural Networks (CNN) (Dr. Aditya Nigam)
10:50AM	Tea Break
11:00PM DLT-10	Popular CNN Models (Dr. Kamlesh Tiwari)
12:00PM	LUNCH
01:45 PM DLT-10	Object Detection and Localization (Prof. Chetan Arora)
03:00 - 03:15 PM	Tea Break
03:15 - 05:45PM DLT-10	Lab 02 – Convolution Neural Networks (CNN)

Day-3: Wed JUNE 14, 2023 — Sequences and NLP

Time	Session
09:00AM DLT-10	Sequence Modeling with RNN & LSTM (Dr. Jyoti Nigam)
10:00AM DLT-10	Transformers-1 (Dr. Aditya Nigam)
10:50AM	Tea Break
11:00PM DLT-10	Transformers-2 (Dr. Aditya Nigam)
12:00PM	LUNCH
01:45 PM DLT-10	Large Language Models (Dr. Ashutosh Vyas)
03:00 - 03:15 PM	Tea Break
03:15 - 05:45PM DLT-10	Lab 03 – RNN, LSTM, Transformers

Day-4: Thu JUNE 15, 2023 — Generative Modeling

Time	Session
09:00AM DLT-10	Autoencoders and VAE (Dr. Kamlesh Tiwari)
10:00AM DLT-10	Generative Adversarial Networks (GAN) (Prof. Debdoot Sheet)
10:50AM	Tea Break
11:00PM DLT-10	Diffusion Models-01 (Dr. Aditya Nigam)
12:00PM	LUNCH
01:45 PM DLT-10	Diffusion Models-02 (Dr. Aditya Nigam)
03:00 - 03:15 PM	Tea Break
03:15 - 05:45PM DLT-10	Lab 04 – Autoencoders, VAE and GAN, Diffusion-DDPM

Day-5: Fri JUNE 16, 2023 — Miscellaneous Topics

Time	Session
09:00AM DLT-10	Graph Neural Networks (Dr. Ranjeet Ranjan Jha)
10:00AM DLT-10	Siamese Networks (Dr. Daksh Thapar) (Dr. Geetika Arora)
10:50AM	Tea Break
11:00PM DLT-10	Secure and Explainable DL (Dr. Rajesh Kumar)
12:00PM	LUNCH
02:00 PM DLT-10	Deep Reinforcement Learning (Dr. Heena Rathore)
03:30 - 03:45 PM	Tea Break
03:45 – 04:40PM	Valedictory Session
03:15 - 05:45PM DLT-10	Lab 05 – Siamese, Deep RL – DQN and PG Algorithm