S. NO	Date	Topics Recovered
1		Introduction to the course
2		Introduction to ML. Classification and Regression, Supervised Learning
3		Euclidean Distance, Feature Selection
4		Introduction to DNN
5		Acctivation Functions, Forward Propagation
6		Fully Connected Network . Or Gate
7		Forward and Backward Propagation
8		Gradient Descent. Logic Gates.
9		Logic Gate Implementation in Lab
10		Gradient Descent, Batch Gradient Descent, Stochastic Gradient Descent, Mini Batch Gradient Desscent
11		Back Propagation example (Numerical)
12		One Hot Encodings. Image classification using MLP. Introduction to CNN
		Convolution, RELU, Pooling, padding, kernel, featuremap
13	20/2/23	filters, feature extraction, poolig, padding.
14	21/2/23	Vanising and Exploding gradient problems, Overfitting. Feature Extraction, Dropout
15	21/2/23	CNN Lab. Feature extraction
16	March 1 2023	Exam
17	6/3/23	Resnet and Droput
18	7/3/23	Inception
19	7/3/23	Inception
20	13/3/23	Facenet
21	14/3/23	Object Localization. Sliding Window
22	14/3/23	Security in IoT using Deep Learning. Guest Lecture by Ms. Anam Qureshi
23	21/2/23	YOLO

24	21/2/23	YOLO
25	22/3/23	Sequential Networks. RNN
26	27/3/23	RNN Concepts
27	28/3/23	LSTM
28	28/3/23	GRU
29	05/04.2023	Exam
30	04/10/23	Embeddings
31	04/11/23	Learned Representations
32	04/11/23	Word2Vec
33	04/17/23	Transformers and Attention
34	04/18/23	Transformers
35	04/18/23	Transformers
36	05/01/23	Large Language Models
37	05/02/23	Auto Encoders
38	05/02/23	Variable Auto Encoders
39	05/08/23	GANS and DeepFakes
40	05/09/23	Reinforcement Learning
41	05/09/23	Reinforcement Learning
42	05/15/23	Project Demos
43	05/15/23	Project Demos
44		Project Demos