Deep Learning	
SOURCE: 01	**Deep Learning (MIT 6.S191)**
01	MIT Introduction to Deep Learning
02	Recurrent Neural Networks, Transformers, and Attention
03	Convolutional Neural Networks
04	Deep Generative Modeling
05	Reinforcement Learning
06	Language Models and New Frontiers
07	Google Generative AI for Media
08	Building AI Models in the Wild
09	Introduction to Deep Learning (2023)
10	Recurrent Neural Networks, Transformers, and Attention
11	Convolutional Neural Networks
12	Deep Generative Modeling
13	Robust and Trustworthy Deep Learning
14	Reinforcement Learning
15	Deep Learning New Frontiers
16	Text-to-Image Generation
17	The Modern Era of Statistics
18	The Future of Robot Learning
19	Introduction to Deep Learning (2022)
20	Recurrent Neural Networks and Transformers
21	Convolutional Neural Networks
22	Deep Generative Modeling
23	Reinforcement Learning
24	Deep Learning New Frontiers
25	LiDAR for Autonomous Driving
26	Automatic Speech Recognition
27	AI for Science
28	Uncertainty in Deep Learning
29	Introduction to Deep Learning (2021)
30	Recurrent Neural Networks
31	Convolutional Neural Networks
32	Deep Generative Modeling
33	Reinforcement Learning
34	Deep Learning New Frontiers
35	Evidential Deep Learning and Uncertainty
36	AI Bias and Fairness
37	Deep CPCFG for Information Extraction
38	Taming Dataset Bias via Domain Adaptation
39	Towards AI for 3D Content Creation
40	AI in Healthcare
41	Introduction to Deep Learning (2020)
42	Recurrent Neural Networks
43	Convolutional Neural Networks
44	Deep Generative Modeling
45	Reinforcement Learning
46	Deep Learning New Frontiers
47	Neuro-symbolic AI
48	Generalizable Autonomy for Robot Manipulation

49	Neural Rendering
50	Machine Learning for Scent
51	Introduction to Deep Learning (2019)
52	Recurrent Neural Networks
53	Convolutional Neural Networks
54	Deep Generative Modeling
55	Deep Reinforcement Learning
56	Deep Learning Limitations and New Frontiers
57	Visualization for Machine Learning (Google Brain)
58	Biologically Inspired Neural Networks (IBM)
59	Image Domain Transfer (NVIDIA)
60	Introduction to Deep Learning (2018)
61	Sequence Modeling with Neural Networks
62	Convolutional Neural Networks
63	Deep Generative Modeling
64	Deep Reinforcement Learning
65	Deep Learning Limitations and New Frontiers
66	Issues in Image Classification
67	Faster ML Development with TensorFlow
68	Deep Learning – A Personal Perspective
69	Beyond Deep Learning: Learning and Reasoning
70	Computer Vision Meets Social Networks

Neural Networks

SOURCE: 01	Neural Networks
01	Introduction to Neural Networks
02	Biological and Artificial Neural Network | Basic Concepts
03	Important Terms and Parameters Associated with Neural Networks
04	Types of Activation Functions Used in Neural Networks | Basic Concepts
05	Learning in Neural Networks and Supervised Learning | Basic Concepts
06	Learning in Neural Networks and Unsupervised and Reinforcement Learning
07	Biological vs Artificial Neural Networks | A Comparison
08	Learning Rules | Error Correction Learning | Basic Concepts
09	Learning Rules | Memory Based Learning | Basic Concepts
10	Learning Rules | Hebbian Learning | Basic Concepts
11	Learning Rules | Competitive Learning | Basic Concepts
12	Learning Rules | Boltzmann Learning | Basic Concepts
13	McCulloch – Pitts Neuron Model | M-P Model | Basic Concept
14	Perceptron Neural Network | Basic Concepts
15	Adaptive Linear Neuron | Adaline | Basic Concepts
16	Multiple Adaptive Linear Neuron | Madaline | Basic Concepts
17	Back Propagation Neural Network | Basic Concepts
18	Linear Separability in Neural Network | Basic Concepts