

**K.L.N. COLLEGE OF ENGINEERING, POTTAPALAYAM**  
**An Autonomous Institution Affiliated to Anna University, Chennai**

List of Online Courses recommended for the AY 2022-23 (ODD)

**B.E. - Mechanical Engineering**

<b>Sl.No</b>	<b>Course Title</b>	<b>Course Duration</b>
1	Metal Additive Manufacturing	12 Weeks
2	Automation in Manufacturing	12 Weeks
3	Dynamic Behaviour Of Materials	12 Weeks
4	Advances in welding and joining technologies	8 weeks
5	Laser Based Manufacturing	8 Weeks
6	Principles of Metal Forming Technology	8 Weeks
7	Fluidization Engineering	12 Weeks
8	Natural Gas Engineering	8 weeks
9	Thermal Processing of Foods	12 Weeks
10	Heat Exchangers: Fundamentals And Design Analysis	12 Weeks
11	BioMEMS and Microfluidics	8 Weeks
12	Dynamics and Control of Mechanical Systems	12 Weeks
13	Foundation of Computational Fluid Dynamics	8 Weeks
14	Foundations of Cognitive Robotics	4 weeks
15	Introduction To Composites	12 Weeks
16	Mechanics and Control of Robotic Manipulators	8 Weeks
17	Mechanism And Robot Kinematics	8 Weeks

**B.E. - Electrical and Electronics Engineering**

<b>Sl.No</b>	<b>Course title</b>	<b>Course Duration</b>
1	Programming in Modern C++	12 Weeks
2	Cloud computing	12 Weeks
3	Artificial Intelligence: Search methods for problem solving	12 Weeks
4	Introduction to Machine Learning	12 weeks

5	Introduction To Internet Of Things	12 weeks
6	C-Based VLSI Design	12 weeks
7	Deep Learning for Computer Vision	12 weeks
8	Data Structure And Algorithms Using Java	12 weeks
9	Computer Vision	12 Weeks
10	Introduction to Fuzzy set theory, Arithmetic and logic	12 Weeks
11	Fundamentals of Nano and Quantum Photonics	12 Weeks
12	Deep Learning	12 weeks
13	The Joy of Computing using Python	12 weeks
14	Design of photovoltaic systems	12 weeks
15	VLSI Interconnects	8 weeks
16	Big Data Computing	8 weeks
17	Data science for engineers	8 weeks
18	Data Base Management System	8 weeks
19	Introduction to Smart Grid	8 weeks
20	Dc Micro grid and control systems	8 weeks

**B.E. - Electronics & Communication Engineering**

<b>Sl.No</b>	<b>Course title</b>	<b>Course Duration</b>
1	Software Testing	12 Weeks
2	Artificial Intelligence :Search Methods For Problem solving	12 Weeks
3	Programming, Data Structures And Algorithms using Python	8 Weeks
4	Data Science for Engineers	8 Weeks
5	Introduction to Machine Learning	12 Weeks
6	Reinforcement Learning	12 Weeks
7	Deep Learning for Computer Vision	12 Weeks
8	Introduction to Operating Systems	8 Weeks
9	Getting Started with Competitive Programming	12 Weeks

10	Computer Vision	12 Weeks
11	Data Base Management System	8 Weeks
12	Data Structure And Algorithms Using Java	12 Weeks
13	Embedded System Design With ARM	8 Weeks
14	Hardware Modeling Using Verilog	8 Weeks
15	Introduction To Internet Of Things	12 Weeks
16	Introduction To Machine Learning - KGP	8 Weeks
17	Natural Language Processing	12 Weeks
18.	Object Oriented Analysis And Design	8 Weeks
19	Operating System Fundamentals	12 Weeks
20	Problem Solving Through Programming In C	12 Weeks
21	Programming In Java	12 Weeks
22	Programming In Modern C++	12 Weeks
23	C-Based VLSI Design	12 Weeks
24	Machine Learning for Earth System Sciences	8 Weeks
25	The Joy of Computing using Python	12 Weeks
26	Deep Learning - IIT Ropar	12 Weeks
27	Design & Implementation of Human-Computer Interfaces	12 Weeks
28	Real-Time Digital Signal Processing	12 Weeks
29	Modern Digital Communication Techniques	12 Weeks
30	System Design Through VERILOG	8 Weeks
31	Signal Processing for mm Wave communication for 5G and beyond	12 Weeks
32	Soft skills	12 Weeks
33	Developing Soft Skills and Personality	8 Weeks
34	Soft Skills For Business Negotiations And Marketing Strategies	12 Weeks
35	Plastic Waste Management	8 Weeks

**B.E. - Computer Science and Engineering**

<b>Sl.No</b>	<b>Course title</b>	<b>Course Duration</b>
1	Big Data Computing	8 Weeks
2	Computer Vision	12 Weeks
3	Software Testing	12 Weeks
4	Reinforcement Learning	12 Weeks
5	Social Network Analysis	12 Weeks
6	Real Time Systems	12 Weeks
7	Social Networks	12 Weeks

**B.Tech. – Information Technology**

<b>Sl.No</b>	<b>Course title</b>	<b>Course Duration</b>
1	Artificial Intelligence : Search Methods For Problem solving	12 weeks
2	Introduction To Industry 4.0 And Industrial Internet Of Things	12 weeks
3	Data Science for Engineers	8 Weeks
4	Advanced Distributed systems	12 Weeks
5	Scalable Data Science	8 Weeks
6	Multi-Core Computer Architecture - Storage and Interconnects	8 weeks
7	Social Networks	12 Weeks
8	Applied Accelerated Artificial Intelligence	12 Weeks
9	Computer Vision	12 Weeks
10	Spatial Informatics	8 Weeks

**MBA**

<b>Sl.No</b>	<b>Course title</b>	<b>Course Duration</b>
1	Operation and supply chain management	12 weeks
2	Human Resource Development	12 weeks
3	Soft skills for business negotiation and marketing strategies	12 weeks
4	Entrepreneurship	12 weeks
5	Corporate Finance	12 weeks
7	Marketing Management	8 weeks
8	Principle of Human resource Management	8 weeks