ABES Institute of Technology
LIBRARY
LIST OF LECTURE CD'S (IIT NEW DELHI)

S.No	Acc.No.	Author	Title:Subtitle	Time
1	CL-1	Ray S.C.Dutta	Introduction to Electronic Circuits :Introduction to	50 min.
			The Course & Basic Electrical Quantities	
2	CL-2	"	Introduction to Electronic Circuits :RLC Components	"
			Energy Considerations Xources & Circuit Laws.	
3	CL-3	"	Introduction to Electronic Circuits :KCL,KVL and	"
			Network Analysis	
4	CL-4	"	Introduction to Electronic Circuits :Network Theorem	"
			(Thevenin's & Norton's)	
5	CL-5	"	Introduction to Electronic Circuits :Source Transform-	"
			ation Superposition Theorem & Non Linear one - ports	
6	CL-6	"	Introduction to Electronic Circuits :Signal Waveforms	"
7	CL-7	"	Introduction to Electronic Circuits : Periodic Wavefor-	"
			ms & Elements of Amplifiers	
8	CL-8	"	Introduction to Electronic Circuits : Operational	"
			Amplifiers & Diodes	
9	CL-9	"	Introduction to Electronic Circuits :Rectifiers & Power	"
			Supplies	
10	CL-10	"	Introduction to Electronic Circuits : Wave shaping	"
			Circuits	
11	CL-11	"	Introduction to Electronic Circuits : More of wave	"
			Shaping Circuits & Introduction to Natural Response	
			of Circuits	
12	CL-12	"	Introduction to Electronic Circuits :Natural Response	"
			(Contd)	
13	CL-13	"	Introduction to Electronic Circuits :Natural Response	"
			of 2nd order Circuits	
14	CL-14	"	Introduction to Electronic Circuits :Natural Response	"
			of 2nd order Circuits (Contd)	
15	CL-15	"	Introduction to Electronic Circuits : Impedance	"
			Ecenctions poles Zeros & their Applications	
16	CL-16	"	Introduction to Electronic Circuits: Natural Response	"
			& Introduction to forced Response	
17	CL-17	"	Introduction to Electronic Circuits : Phasors & Their	"
			Applications in AC Circuit Analysis.	
18	CL-18	"	Introduction to Electronic Circuits :More about	"

			phasors & Introduction to Complete Response	
19	CL-19	”	Introduction to Electronic Circuits :Complete	”
			Response of Electrical Circuits	
20	CL-20	”	Introduction to Electronic Circuits :AC Circuits	”
			Analysis	
21	VC-21	”	Introduction to Electronic Circuits :Filter Circuits &	”
			Resonance	
22	CL-22	”	Introduction to Electronic Circuits : Resonance	”
			(Contd)	
23	CL-23	”	Introduction to Electronic Circuits :General Network	”
			Analysis	
24	CL-24	”	Introduction to Electronic Circuits :Two part Networks	”
25	CL-25	”	Introduction to Electronic Circuits : Semiconductor	
			physics	
26	CL-26	”	Introduction to Electronic Circuits : Semiconductor	”
			physics (Contd)	
27	CL-27	”	Introduction to Electronic Circuits : More about diodes	”
			including Zener Diodes	
28	CL-28	”	Introduction to Electronic Circuits : More about diodes	”
			including Zener Diodes	
29	CL-29	”	Introduction to Electronic Circuits : More about diodes	”
			including Zener Diodes	
30	CL-30	”	Introduction to Electronic Circuits : More about diodes	”
			including Zener Diodes	
31	CL-31	”	Introduction to Electronic Circuits : BJT Power Ampli-	”
			fiers	
32	CL-32	”	Introduction to Electronic Circuits : BJT Power Ampli-	”
			fiers	
33	CL-33	”	Introduction to Electronic Circuits : BJT Power Ampli-	”
			fiers	
34	CL-34	”	Introduction to Electronic Circuits : Small Signal	”
			models & small signal Amplifiers	
35	CL-35	”	Introduction to Electronic Circuits : Small Signal	”
			Amplifiers (Contd)	
36	CL-36	”	Introduction to Electronic Circuits :Small Signal	”
			Amplifiers (Contd)	
37	CL-37	”	Introduction to Electronic Circuits : Small Signal	”
			Amplifiers & Feed back	
38	CL-38	”	Introduction to Electronic Circuits : Negative Feedback	”
39	CL-39	”	Introduction to Electronic Circuits : Digital Circuits.	”
40	CL-40	”	Introduction to Electronic Circuits : Digital Circuits.	”
41	CL-41	Kumar Anshul	Computer Architecture : Introduction to The Course	”

42	CL-42	"	Computer Architecture : Historical Perspective	"
43	CL-43	"	Computer Architecture : Performance	"
44	CL-44	"	Computer Architecture : Machine Language & Instruc.	"
			tion.	
45	CL-45	"	Computer Architecture : Machine Language & Instruction.	"
46	CL-46	"	Computer Architecture : Procedure/subroutines is	"
			Assembly Language.	
47	CL-47	Kumar Anshul	Computer Architecture : Procedure call conventions	
48	CL-48	"	Computer Architecture : Alternative to MIPS Approach	"
49	CL-49	"	Computer Architecture : Alternative to MIPS Approach	"
			(Contd)	
50	CL-50	"	Computer Architecture : Instructions set & performance	"
51	CL-51	"	Computer Architecture : Number Representation and	"
			arithmatic	
52	CL-52	"	Computer Architecture : Arithmatic & Logical Operations	"
53	CL-53	"	Computer Architecture : Arithmatic & Logical Operations	"
			(Contd)	
54	CL-54	"	Computer Architecture : Constructing an ALU	"
55	CL-55	"	Computer Architecture : Constructing an ALU	"
56	CL-56	"	Computer Architecture : Solutions to minor test=1	"
57	CL-57	"	Computer Architecture : Constructing an ALU (Contd)	"
58	CL-58	"	Computer Architecture : Carry look Ahead Multiplication	"
			& Division.	
59	CL-59	"	Computer Architecture : Multiplication & Division	"
60	CL-60	"	Computer Architecture : Multiplication & Division (Contd)	"
61	CL-61	"	Computer Architecture : Signed Division.	"
62	CL-62	"	Computer Architecture : Floating point Numbers	"
63	CL-63	"	Computer Architecture : Floating point Arithmatic contd	"
64	CL-64	"	Computer Architecture : Floating point Arithematic Contd	"
65	CL-65	"	Computer Architecture : Floating point Arithematic Contd	"
66	CL-66	"	Computer Architecture : Minor test 2nd Answers (contd)	"
67	CL-67	Kumar Anshul	Computer Architecture : Minor test 2nd Answers (contd)	"
68	CL-68	"	Computer Architecture : CPU Design (Contd)	"
69	CL-69	"	Computer Architecture : CPU Design Control	"
70	CL-70	"	Computer Architecture : CPU Design :Multi-cycle Imple-	"
			mentation.	
71	CL-71	"	Computer Architecture : CPU Design (Multi-cycle) Contd	"
72	CL-72	"	Computer Architecture : Micro Programmed Control	"
73	CL-73	"	Computer Architecture : Input Output	"
74	CL-74	"	Computer Architecture : Input Output (Contd)	"
75	CL-75	"	Computer Architecture : Memory Organisation	"
76	CL-76		Computer Architecture : Memory Hierarchy	

77	CL-77	"	Computer Architecture : Memory Hicrarchy address	"
			Mapping	
78	CL-78	"	Computer Architecture : Conclusion.	"
79	CL-79	Ray S.C.Dutta	Signals & Systems : Introduction to the Course & Basic	"
			Concepts.	
80	CL-80	"	Signals & Systems : Signals & their Transformation	"
81	CL-81	"	Signals & Systems : Elementary Signals in the discrete	"
			time Domain	
82	CL-82	"	Signals & Systems :Characterisation of Systems	"
83	CL-83	"	Signals & Systems : Basic Concepts of Linear time	"
			Invariant Systems	
84	CL-84	"	Signals & Systems : Basic Concepts of Linear time	"
			Invariant Systems	
85	CL-85	"	Signals & Systems : Stability Unit step Response and	"
			Differential Equations.	
86	CL-86	Ray S.C.Dutta	Signals & Systems : Systems Described by differential	"
			& different Equations.	
87	CL-87	"	Signals & Systems : Systems Described by differential	"
			& different Equations.	
88	CL-88	"	Signals & Systems : More about fourier series (with un	"
			comfortable Questions)	
89	CL-89	"	Signal & System : Those Uncomfortable Questions about	"
			the Existence of the fourier series & some more	
90	CL-90	"	Signals & Systems : Introduction to fourier Transform	"
91	CL-91	"	Signals & Systems : Fourier Transforms & fourier trans-	"
			form properties.	
92	CL-92	"	Signals & Systems : More properties of fourier Transfo-	"
			rmation.	
93	CL-93	"	Signals & systems : Anatomy of a class test & a	"
			Continued look at the properties of F.T.	
94	CL-94	"	Signals & Systems : Modulation, Convolution & other	"
			Interesting properties of F.T	
95	CL-95	"	Signals & Systems : A Duper look at the modulation	"
			Property of F.T	
96	CL-96	"	Signals & Systems : Fourier Analysis of Discrete time	"
			signals & systems - The Beginning.	
97	CL-97	"	Signals & Systems : More about the fourier transform	"
			of discrete time signals.	
98	CL-98	"	Signals & Systems : Solutions to minor test 1.problems	"
			& a further look into the properties of D.T.F.T	
99	CL-99	"	Signals & Systems : Convolution, modulation & other	"
			properties of D.T.F.T	

100	CL-100	"	Signals & Systems : Farewell to discrete time fourier	"
			transform & Introduction to sampling.	
101	CL-101	"	Signals & Systems : More about sampling	"
102	CL-102	"	Signals & Systems : More about sampling	"
103	CL-103	"	Signals & Systems : Region of Convergence of laplace	"
			transform & properties of Laplace transform	
104	CL-104	"	Signals & Systems : Properties of laplace transform	"
			(Contd)	
105	CL-105	"	Signals & Systems : Concluding discussion on laplace	"
			transform.	
106	CL-106	"	Signals & Systems : Introduction to Z transform.	"
107	CL-107	"	Signals & Systems : Properties of Z Transform	"
108	CL-108	"	Signals & Systems : Further Discussion on Properties	"
			of Z Transform.	
109	CL-109	"	Signals & Systems : Solutions to Minor test-2 & Conclu-	"
			ding discussion on Z transform.	
110	CL-110	"	Signals & Systems : Introduction to Random signals &	"
			Probability.	
111	CL-111	"	Signals & Systems : Probability functions.	"
112	CL-112	"	Signals & Systems : Solutions to minor test 2 & more	"
			about PDF& pdf	
113	CL-113	"	Signals & Systems : Some more about PDF's pdf's	"
114	CL-114	"	Signals & Systems : Classification of random processes	"
			& Introduction to correlation functions.	
115	CL-115	"	Signals & Systems : More about correlation functions.	"
116	CL-116	"	Signals & Systems : More about correlation functions.	"
			and their properties.	
117	CL-117	"	Signals & Systems : Introduction to spectral density.	"
118	CL-118	"	Signals & Systems : More about spectral density.	"
119	CL-119	"	Signals & Systems : Response of Linear systems to	"
			random input.	
120	CL-120	"	Signals & Systems : Frequency domain analysis of LTI	"
			systems exited by random input.	
121	CL-121	Murthy S.S	D.C. Machines : Introduction.	"
122	CL-122	"	D.C.Principles of operarion of DC machines	"
123	CL-123	"	D.C. Machines :Armature Windings	"
124	CL-124	"	D.C. Machines :Lap & Wave windings	"
125	CL-125	"	D.C. Machines :Wave winding	"
126	CL-126	"	D.C. Machines : Field Excitatiion in D.C. machines	"
127	CL-127	"	D.C. Machines : Characteristics of D.C Machines	"
128	CL-128	"	D.C. Machines : Speed control of D.C Motors	"
129	CL-129	"	D.C. Machines :Speed control of D.C series Motor	"

130	CL-130	”	D.C. Machines : Starting of D.C Motors	”
131	CL-131	”	D.C. Machines :Losses & efficiency D.C. machine	”
132	CL-132	”	D.C. Machines : Testing of D.C. Motors	”
133	CL-133	Dubhashi D.P.	Mathematics for Information Technology: Introduction	”
134	CL-134	”	Mathematics for Information Technology: Codes	”
135	CL-135	”	Mathematics for Information Technology: Review of codes	”
136	CL-136	”	Mathematics for Information Technology: Codes Entropy	”
			Conclusion	
137	CL-137	”	Mathematics for Information Technology : Back to the	”
			Future recurrences	
138	CL-138	”	Mathematics for IT : Fibonacci numbers : wrapping up	”
139	CL-139	”	.	”
140	CL-140	”	Mathematics for IT : Large Independent sets.	”
141	CL-141	”	Mathematics for IT : Independent sets: Edge cover.	”
142	CL-142	”	Mathematics for IT : Bipartite Graphs	”
143	CL-143	”	Mathematics for IT : Matching in Bipartite Graphs	”
144	CL-144	”	Mathematics for IT : Activities & Parties,	”
145	CL-145	”	Mathematics for IT :Ramsey's parties	”
146	CL-146	Murthy S.S	Electrical Machines Part -1	20 Min.
147	CL-147	”	Electrical Machines Part -2	20 Min.
148	CL-148	Kumar Veena	Dynamics of English speech	20 Min.