

LESSON PLAN

Period	Date (Tentative)	Topic	Unit No.	Teaching Methodology	Remarks	Corrective Action Upon Review
1	22.2.2016	Introduction to low power design.	I	PPT		
2	23.2.16	Limitations of low power design	"	"		
3	25.2.16	SoC technology.	"	D.D		
4	26.2.16	Realization of BiCMOS process	"	"		
5	29.2.16	Introduction to CMOS design process	"	"		
6	1.3.16	Manufacturing methods of BiCMOS	"	"		
7	3.3.16	Integration and Realization of BiCMOS	"	"		
8	4.3.16	Advanced Realization techniques	"	"		
9	8.3.16	Silicon as a substrate technology & process	"	"		
10	10.3.16	Integrated analog BiCMOS circuit	"	"		
11	11.3.16	Typical Analog BiCMOS processes	"	PPT		
12	14.3.16	Integrated digital BiCMOS circuits	"	"		
13	15.3.16	New technology BiCMOS technology	"	"		
14	17.3.16	Integration of complementary & BiCMOS processes	"	"		
15	18.3.16	Introduction to low power BiCMOS processes	II	"		
16	21.3.16	Introduction to low power BiCMOS processes	"	"		
17	22.3.16	Deep submicron processes	"	PPT		
18	24.3.16	Methods of process development & Deep submicron	"	"		
19	25.3.16	Silicon-on-insulator technology.	"	"		
20	26.3.16	Low voltage/low power	"	"		

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21	24.3.16	lateral BJT cu BVT	I	DB		
22	31.3.16	future trends of CMOS processes	"	"		
23	1.4.16	future trends of BiCMOS process	"	"		
24	4.4.16	Trends & direction of CMOS / BiCMOS	"	PPT		
25	5.4.16	Introduction to devices device behaviour	III	PPT		
26	7.4.16	Introduction to device modelling	"	"		
27	8.4.16	Simplified MOSFET models	"	D-D		
28	11.4.16	Simplified MOSFET models	"	"		
29	12.4.16	SPICE Models	"	"		
30	14.4.16	MOSFET SPICE models Level 1, 2 -	"	"		
31	15.4.16	MOSFET SPICE models Level 3, 4 -	"	"		
32	25.4.16	Limitations of various MOSFET models & bipolar models	"	"		
33	26.4.16	Analytical Characterisation of sub-threshold MOSFET	IV	"		
34	28.4.16	Experimental Characterisation of sub-threshold MOSFET	"	"		
35	29.4.16	MOSFET hybrid Equivalent	"	"		
36	2.5.16	Surface p-channel for sub-threshold MOSFET	"	"		
37	3.5.16	Device fabrication	"	"		
38	5.5.16	Model parameter extraction	"	PPT		
39	6.5.16	Sub-threshold d.c. model	"	"		
40	9.5.16	Fabrication methods	"	"		

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Period	Date (Tentative)	Topic	Unit No.	Teaching Methodology	Remarks	Corrective Action Upon Review
1	10.5.16	Introduction to logic gates & their symbols	1	BD		
2	13.5.16	Boolean algebra & its laws	1	"		
3	14.5.16	A Half adder	1	"		
4	15.5.16	8085 microprocessor	11	PPT		
5	16.5.16	8085 microprocessor	"	"		
6	16.5.16	8085 microprocessor	"	BD		
7	17.5.16	8085 microprocessor	"	"		
8	18.5.16	8085 microprocessor	"	"		
9	19.5.16	8085 microprocessor	2	PPT		
10	20.5.16	8085 microprocessor	"	"		
11	21.5.16	8085 microprocessor	"	"		
12	22.5.16	8085 microprocessor	"	BD		
13	23.5.16	8085 microprocessor	"	BD		
14	24.5.16	8085 microprocessor	"	"		
15	25.5.16	8085 microprocessor	"	"		
16	26.5.16	8085 microprocessor	"	"		
17	27.5.16	8085 microprocessor	"	"		
18	28.5.16	8085 microprocessor	"	"		
19	29.5.16	8085 microprocessor	"	"		
20	30.5.16	8085 microprocessor	"	"		
21	31.5.16	8085 microprocessor	"	"		
22	1.6.16	8085 microprocessor	"	"		
23	2.6.16	8085 microprocessor	"	"		
24	3.6.16	8085 microprocessor	"	"		
25	4.6.16	8085 microprocessor	"	"		
26	5.6.16	8085 microprocessor	"	"		
27	6.6.16	8085 microprocessor	"	"		
28	7.6.16	8085 microprocessor	"	"		
29	8.6.16	8085 microprocessor	"	"		
30	9.6.16	8085 microprocessor	"	"		
31	10.6.16	8085 microprocessor	"	"		
32	11.6.16	8085 microprocessor	"	"		
33	12.6.16	8085 microprocessor	"	"		
34	13.6.16	8085 microprocessor	"	"		
35	14.6.16	8085 microprocessor	"	"		
36	15.6.16	8085 microprocessor	"	"		
37	16.6.16	8085 microprocessor	"	"		
38	17.6.16	8085 microprocessor	"	"		
39	18.6.16	8085 microprocessor	"	"		
40	19.6.16	8085 microprocessor	"	"		
41	20.6.16	8085 microprocessor	"	"		
42	21.6.16	8085 microprocessor	"	"		
43	22.6.16	8085 microprocessor	"	"		
44	23.6.16	8085 microprocessor	"	"		
45	24.6.16	8085 microprocessor	"	"		
46	25.6.16	8085 microprocessor	"	"		
47	26.6.16	8085 microprocessor	"	"		
48	27.6.16	8085 microprocessor	"	"		
49	28.6.16	8085 microprocessor	"	"		
50	29.6.16	8085 microprocessor	"	"		
51	30.6.16	8085 microprocessor	"	"		
52	1.7.16	8085 microprocessor	"	"		
53	2.7.16	8085 microprocessor	"	"		
54	3.7.16	8085 microprocessor	"	"		
55	4.7.16	8085 microprocessor	"	"		
56	5.7.16	8085 microprocessor	"	"		
57	6.7.16	8085 microprocessor	"	"		
58	7.7.16	8085 microprocessor	"	"		
59	8.7.16	8085 microprocessor	"	"		
60	9.7.16	8085 microprocessor	"	"		