LESSON PLAN

Period	Date (Tentative)	Topic	Unit No.	Teaching Methodology	Remarks	Corrective Action Upon Review
1	14/2/14	Introduction of Low power design an. over view	I	Black board		
2	14/2/14	Introduction to Low-Voltage Low power design	"	"		
3	15/2/14	Limitations, Silicon-on-insulator	"	"		
4	20/2/14	MOS/ Bic mos processes Introduction	"	"		
5	20/2/14	Bi cmos processes	"	"		
6	21/2/14	Integration and isolation Considerations	"	"		
7	22/2/14	Integrated Considerations	"	"		
8	22/2/14	Analog/ Digital Cmos process; Revision	"	"		
9	28/2/14	Introduction of Low-Voltage/ Low power cmos/	II	"		
10	1/3/14	Bi cmos processes.	"	"		
11	1/3/14	Deep submicron process,	"	"		
12	6/3/14	SOI Cmos,	"	"		
13	7/3/14	Lateral BJT on SOI	"	"		
14	8/3/14	future trends/ and directions of cmos/ Bicmos	"	"		
15	13/3/14	Revision Introduction of device Behaviour and modelling	III	"		
16	14/3/14	Advanced mosfet models	"	"		
17	20/3/14	Limitation of mosfet models.	"	"		
18	21/3/14	Bipolar models	"	"		
19	27/3/14	Revision Analytical and Experimental Characterization	IV	"		
20	3/4/14	Sub half micron mos devices.	"	"		

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Period	Date (Tentative)	Topic	Unit No.	Teaching Methodology	Remarks	Corrective Action Upon Review
21	3/4/14	MOSFET in a hybrid mode environment	IV	Black board		
22	4/4/14	Introduction of low-voltage low power logic circuits.	V	"		
23	4/4/14	Comparision of advanced Bicmos digital circuits	"	"		
24	19/4/14	ESD - free Bicmos process.	"	"		
25	19/4/14	Digital Circuit operation	"	"		
26	19/4/14	Comparative Evaluation.	"	"		
27	24/5/14	Cmos and Bicmos logic gates introduction	VI	"		
28	24/5/14	Conventional Cmos	"	"		
29	29/5/14	Bicmos logic gates	"	"		
30	29/5/14	Performance evaluation	"	"		
31	29/5/14	Introduction of low power latches and flipflops.	"	"		
32	29/5/14	Evolution of latches	"	"		
33	29/5/14	flipflops - quality measure for latches	"	"		
34	5/6/14	and flipflops.	"	"		
35	5/6/14	Design perspective	"	"		
36	6/6/14	Review of low power lateches.	"	"		
37	6/6/14	Review of flipflops	"	"		
38	7/6/14	Review of Cmos and Gates.	"	"		
39	12/6/14	Review of Bicmos logic gates.	"	"		
40	13/6/14	Low power design over view	"	"		