

**Theory Online Classes Details**

S.No.	Year/ Sem	Subject	Date of Lecture & Class timings	Topic	App Used	Link (if any Resources)
1	IV-II	Low Power VLSI Circuits and Systems	04-01-2020 & 10:50AM - 12:40PM	device features size scaling, architecture-level approaches	Cisco Webex Meeting	
2	IV-II	Low Power VLSI Circuits and Systems	04-01-2020 & 8:40AM - 10:30AM	device features size scaling, architecture-level approaches	Cisco Webex Meeting	
3	IV-II	Low Power VLSI Circuits and Systems	15-04-2020 & 10:50AM - 12:40PM	system-level approaches, transmeta's Crusoe processor	Cisco Webex Meeting	
4	IV-II	Low Power VLSI Circuits and Systems	15-4-2020 & 8:40AM - 10:30AM	system-level approaches, transmeta's Crusoe processor	Cisco Webex Meeting	
5	IV-II	Low Power VLSI Circuits and Systems	20-04-2020 & 8:40AM - 10:30AM	bus encoding, clock gating, gated-clock FSMs	Cisco Webex Meeting	
6	IV-II	Low Power VLSI Circuits and Systems	20-04-2020 & 10:50AM - 12:40PM	bus encoding, clock gating, gated-clock FSMs	Cisco Webex Meeting	
7	IV-II	Low Power VLSI Circuits and Systems	21-04-2020 & 8:40AM - 10:30AM	FSM state encoding, FSM Partitioning	Cisco Webex Meeting	
8	IV-II	Low Power VLSI Circuits and Systems	21-04-2020 & 10:50AM - 12:40PM	FSM state encoding, FSM Partitioning	Cisco Webex Meeting	
9	IV-II	Low Power VLSI Circuits and Systems	22-04-2020 & 10:50AM - 12:40PM	operand isolation, pre computation, logic styles for low power	Cisco Webex Meeting	
10	IV-II	Low Power VLSI Circuits and Systems	22-04-2020 & 8:40AM - 10:30AM	operand isolation, pre computation, logic styles for low power	Cisco Webex Meeting	
11	IV-II	Low Power VLSI Circuits and Systems	27-04-2020 & 8:40AM - 10:30AM	fabrication of multiple threshold voltages	Cisco Webex Meeting	
12	IV-II	Low Power VLSI Circuits and Systems	27-04-2020 & 10:50AM - 12:40PM	fabrication of multiple threshold voltages	Cisco Webex Meeting	
13	IV-II	Low Power VLSI Circuits and Systems	28-04-2020 & 8:40AM - 10:30AM	approaches for minimizing leakage power, Adiabatic Logic Circuits	Cisco Webex Meeting	
14	IV-II	Low Power VLSI Circuits and Systems	28-04-2020 & 10:50AM - 12:40PM	approaches for minimizing leakage power, Adiabatic Logic Circuits	Cisco Webex Meeting	
15	IV-II	Low Power VLSI Circuits and Systems	29-04-2020 & 10:50AM - 12:40PM	Battery-Driven System, CAD Tools for Low Power VLSI Circuits.	Cisco Webex Meeting	
16	IV-II	Low Power VLSI Circuits and Systems	29-04-2020 & 8:40AM - 10:30AM	Battery-Driven System, CAD Tools for Low Power VLSI Circuits.	Cisco Webex Meeting	
17	IV-II	Low Power VLSI Circuits and Systems	04-05-2020 & 8:30AM - 10:30AM	IntroductionSources of Power Dissipation	Cisco Webex Meeting	
18	IV-II	Low Power VLSI Circuits and Systems	04-05-2020 & 10:50AM - 12:50PM	IntroductionSources of Power Dissipation	Cisco Webex Meeting	
19	IV-II	Low Power VLSI Circuits and Systems	05-05-2020 & 8:30AM - 10:30AM	short-circuit power dissipation	Cisco Webex Meeting	
20	IV-II	Low Power VLSI Circuits and Systems	05-05-2020 & 10:50AM - 12:50PM	short-circuit power dissipation	Cisco Webex Meeting	
21	IV-II	Low Power VLSI Circuits and Systems	06-05-2020 & 8:30AM - 10:30AM	switching power dissipation	Cisco Webex Meeting	
22	IV-II	Low Power VLSI Circuits and Systems	06-05-2020 & 10:50AM - 12:50PM	switching power dissipation	Cisco Webex Meeting	
23	IV-II	Low Power VLSI Circuits and Systems	11-05-2020 & 8:30AM - 10:30AM	glitching power dissipation	Cisco Webex Meeting	
24	IV-II	Low Power VLSI Circuits and Systems	11-05-2020 & 10:50AM - 12:50PM	glitching power dissipation	Cisco Webex Meeting	
25	IV-II	Low Power VLSI Circuits and Systems	12-05-2020 & 8:30AM - 10:30AM	leakage power dissipation	Cisco Webex Meeting	
26	IV-II	Low Power VLSI Circuits and Systems	12-05-2020 & 10:50AM - 12:50PM	leakage power dissipation	Cisco Webex Meeting	

S.No.	Year/ Sem	Subject	Date of Lecture & Class timings	Topic	App Used	Link (if any Resources)
27	IV-II	Low Power VLSI Circuits and Systems	13-05-2020 & 8:30AM - 10:30AM	Introduction to Supply voltage scaling for low power	Cisco Webex Meeting	
28	IV-II	Low Power VLSI Circuits and Systems	13-05-2020 & 10:50AM - 12:50PM	Introduction to Supply voltage scaling for low power	Cisco Webex Meeting	
29	IV-II	Low Power VLSI Circuits and Systems	18-05-2020 & 8:30AM - 10:30AM	device features size scaling	Cisco Webex Meeting	
30	IV-II	Low Power VLSI Circuits and Systems	18-05-2020 & 10:50AM - 12:50PM	device features size scaling	Cisco Webex Meeting	
31	IV-II	Low Power VLSI Circuits and Systems	19-05-2020 & 8:30AM - 10:30AM	architecture-level approaches	Cisco Webex Meeting	
32	IV-II	Low Power VLSI Circuits and Systems	19-05-2020 & 10:50AM - 12:50PM	architecture-level approaches	Cisco Webex Meeting	
33	IV-II	Low Power VLSI Circuits and Systems	20-05-2020 & 8:30AM - 10:30AM	voltage scaling, multilevel voltage scaling, challenges	Cisco Webex Meeting	
34	IV-II	Low Power VLSI Circuits and Systems	20-05-2020 & 10:50AM - 12:50PM	voltage scaling, multilevel voltage scaling, challenges	Cisco Webex Meeting	
35	IV-II	Low Power VLSI Circuits and Systems	26-05-2020 & 8:30AM - 10:30AM	dynamic voltage and frequency scaling	Cisco Webex Meeting	
36	IV-II	Low Power VLSI Circuits and Systems	26-05-2020 & 10:50AM - 12:50PM	dynamic voltage and frequency scaling	Cisco Webex Meeting	
37	IV-II	Low Power VLSI Circuits and Systems	27-05-2020 & 8:30AM - 10:30AM	adaptive voltage scaling	Cisco Webex Meeting	
38	IV-II	Low Power VLSI Circuits and Systems	27-05-2020 & 10:50AM - 12:50PM	adaptive voltage scaling	Cisco Webex Meeting	