



KHENTAWAS, FARRUKHNAGAR, GURGAON, HR

Department: ECE

Academic Session: 2017-18 (Jan-June 2018)

Lesson Plan for the Semester started w.e.f 08.01.2018

Subject with code: Digital Electronics (EE-204-F)

Name of Faculty with designation : Krishanu Kundu, Asst. Prof

Month	Date & Day	Sem-Class	Unit	Topic/Chapter covered	Academic activity	Test / assignment
January	09.01.2018 Tuesday	IV-ECE/EEE/ECS	1	Introduction to Digital system and binary numbers	.....	Assignment of 02 Ques. given
January	10.01.2018 Wednesday	IV-ECE/EEE/ECS	1	Numericals on signed binary numbers, binary codes	.....	Assignment of 02 Ques. given
January	11.01.2018 Thursday	IV-ECE/EEE/ECS	1	concepts on cyclic codes, error detecting and correcting codes	.....	Assignment of 02 Ques. given
January	16.01.2018 Tuesday	IV-ECE/EEE/ECS	1	hamming codes: problem formulation and solution	.....	Assignment of 02 Ques. given
January	17.01.2018 Wednesday	IV-ECE/EEE/ECS	1	Gate-level minimization: The K-map method up to five variable, don't care conditions, POS simplification	.....	Assignment of 02 Ques. given
January	18.01.2018 Thursday	IV-ECE/EEE/ECS	1	NAND and NOR implementation, Quine Mc-Clusky method (Tabular method)	.....	Test
January	23.01.2018 Tuesday	IV-ECE/EEE/ECS	1	Discussion on previous year question papers	.....	Assignment of 02 Ques. given
January	24.01.2018 Wednesday	IV-ECE/EEE/ECS	2	Combinational Logic: Combinational circuits, analysis procedure	.....	Assignment of 02 Ques. given
January	25.01.2018 Thursday	IV-ECE/EEE/ECS	2	Design procedure of binary adder-subtractor	.....	Assignment of 02 Ques. given
January	30.01.2018 Tuesday	IV-ECE/EEE/ECS	2	discussion on decimal adder, binary multiplier	.....	Assignment of 02 Ques. given
February	1.02.2018 Thursday	IV-ECE/EEE/ECS	2	2 bit, 3bit & 4 bit magnitude comparator	.....	Assignment of 02 Ques. given
February	6.02.2018 Tuesday	IV-ECE/EEE/ECS	2	Construction & explanation of decoders, encoders	Assignment of 02 Ques. given

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February	7.02.2018 Wednesday	IV-ECE/EEE/ECS	2	construction & numericals of multiplexers & demultiplexers	Assignment of 02 Ques. given
February	8.02.2018 Thursday	IV-ECE/EEE/ECS	2	Discussion on previous year question papers	.....	Test
February	20.02.2018 Tuesday	IV-ECE/EEE/ECS	3	Formation Synchronous Sequential logic: Sequential circuits	.....	Assignment of 02 Ques. given
February	21.02.2018 Wednesday	IV-ECE/EEE/ECS	3	Explanation of storage elements: latches & flip flops	.....	Assignment of 02 Ques. given
February	22.02.2018 Thursday	IV-ECE/EEE/ECS	3	conversion of flip flops: SR,JK,D & T flip flops	.....	Assignment of 02 Ques. given
February	27.02.2018 Tuesday	IV-ECE/EEE/ECS	3	Analysis of clocked sequential circuits	.....	Assignment of 02 Ques. given
February	28.02.2018 Wednesday	IV-ECE/EEE/ECS	3	state reduction and assignments	.....	Assignment of 02 Ques. given
March	6.03.2018 Tuesday	IV-ECE/EEE/ECS	3	design procedure:Registers and counters	.....	Assignment of 02 Ques. given
March	7.03.2018 Wednesday	IV-ECE/EEE/ECS	3	Shift registers: explanation & Classification	.....	Assignment of 02 Ques. given
March	8.03.2018 Thursday	IV-ECE/EEE/ECS	3	ripple counter & synchronous counter	.....	Assignment of 02 Ques. given
March	13.03.2018 Tuesday	IV-ECE/EEE/ECS	3	Discussion on previous year question papers	.....	Test
March	14.03.2018 Wednesday	IV-ECE/EEE/ECS	4	Discussion on Memory and programmable logic: RAM, ROM	.....	Assignment of 02 Ques. given
March	15.03.2018 Thursday	IV-ECE/EEE/ECS	4	PLA & PAL: Design ,difference, numericals	.....	Assignment of 02 Ques. given
March	27.03.2018 Tuesday	IV-ECE/EEE/ECS	4	Design at the register transfer level: ASMs, design example	.....	Assignment of 02 Ques. given
March	28.03.2018 Wednesday	IV-ECE/EEE/ECS	4	Design different memory elements with multiplexers	.....	Assignment of 02 Ques. given
April	3.04.2018 Tuesday	IV-ECE/EEE/ECS	4	Asynchronous sequential logic: Analysis procedure, circuit with latches	.....	Assignment of 02 Ques. given
April	4.04.2018 Wednesday	IV-ECE/EEE/ECS	4	Reduction of state and flow table, race Free State assignment, hazards	.....	Assignment of 02 Ques. given
April	5.04.2018 Thursday	IV-ECE/EEE/ECS	4	Discussion on previous year question papers	Test

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April	10.04.2018 Tuesday	IV-ECE/EEE/ECS	1	Revision classes on difficult & important topics	Test
April	11.04.2018 Wednesday	IV-ECE/EEE/ECS	2	Revision classes on difficult & important topics	.....	Test
April	12.04.2018 Thursday	IV-ECE/EEE/ECS	3 &4	Revision classes on difficult & important topics	.....	Test