

M o d u l e	D a t & e n u m b e r	T o p i c s [1 H r E a c h]	PPT	V i d e o L i n k s	E- M a t e r i a l s	O l d Q P L i n k
			https://drive.google.com/drive/u/1/olders/1HY50qm9nnHu4NfMQYeRBgrINvGYMwLtF	https://www.youtube.com/watch?v=ZW1glqklgcw https://www.youtube.com/watch?v=rkdFtZEG_HA		
17	26/30	Digit al Mod ulati on Tech niqu es		https://www.youtube.com/watch?v=Qyu7fSyJM44		
	27/30	Digit al Mod ulati on Tech niqu es (Con tinue d)		https://www.youtube.com/watch?v=Qyu7fSyJM44		
17	28/30	Mod ule 5: SSM : Intro ducti on		https://www.youtube.com/watch?v=BkThmLtiQpE		
	30/32	Effe ct of De- spre adin g on a narr owb and Inter feren ce,		https://www.youtube.com/watch?v=WhcYNgsLhSM		

		Prob abilit y of error				
3 1/ 0	3/ 2	Som e appli catio ns of SSM		https://www.youtube.com/watch?v=F8nl9yARikM		
0 1/ 0	4/ 2	CD MA	https://drive.google.com/drive/u/0/folders/1HY50qm9nnHu4NfMQYeRBgrINvGYMwLtF			
0 2/ 0	4/ 2	CD MA	https://drive.google.com/drive/u/0/folders/1HY50qm9nnHu4NfMQYeRBgrINvGYMwLtF			
0 3/ 0	4/ 2	Com muni catio n Over Cha nnel s with Mult ipath .	https://drive.google.com/drive/u/0/folders/1HY50qm9nnHu4NfMQYeRBgrINvGYMwLtF			
0 4/ 0	4/ 2	Gen erati on of PN sequ ence s and it's prop ertie s		https://www.youtube.com/watch?v=4xODol44oxl		
0 6/ 0	4/ 2	Auto corre latio n prop		https://www.youtube.com/watch?v=WhcYNgSLhSM		

020	erty of PN sequence				
8/04/2020	Freq uency Hop ping Spread Spec trum	https://drive.google.com/drive/u/0/folders/1HY50qm9nnHu4NfMQYeRBgrINvGYMwLtF			
9/04/2020	CD MA IS-95 Forward Link	https://drive.google.com/drive/u/0/folders/1HY50qm9nnHu4NfMQYeRBgrINvGYMwLtF			
10/04/2020	CD MA IS-95 Reverse Link	https://drive.google.com/drive/u/0/folders/1HY50qm9nnHu4NfMQYeRBgrINvGYMwLtF			
11/04/2020	FHS S	https://drive.google.com/drive/u/0/folders/1HY50qm9nnHu4NfMQYeRBgrINvGYMwLtF			
13/04/2020	SFH & FFH	https://drive.google.com/drive/u/0/folders/1HY50qm9nnHu4NfMQYeRBgrINvGYMwLtF			
17/04/2021.4	Module 5: Digital Transmis sion thro	https://drive.google.com/drive/u/0/folders/1PV0ioFd8q60D9YIA9OthZahMDoLGZuID	https://www.youtube.com/watch?v=IRFt9GrnqsM		

		ugh Band limit ed chan nels			
	1 6/ 0 4/ 2 0 2 0	Digit al PAM Tran smis sion thro ugh Band limit ed Chan nels		https://www.youtube.com/watch?v=YfO_5fhayZg&list=PLUts4PhnNzY_gjga0krrcbATZaBKFiHKb&index=4	
	1 7/ 0 4/ 2 0 2 0	Sign al desi gn for Band limit ed Chan nels: Desi gn of band limit ed sign als for zero ISI		https://www.youtube.com/watch?v=TaAEp8C0680&list=PLUts4PhnNzY_gjga0krrcbATZaBKFiHKb&index=5	
	1 8/ 0 4/ 2 0 2 0	Sign al desi gn for Band limit ed Chan nels: Desi gn of band limit ed		https://www.youtube.com/watch?v=TaAEp8C0680&list=PLUts4PhnNzY_gjga0krrcbATZaBKFiHKb&index=5	

		sign als for zero ISI			
		The Nyq uist Crite rion (stat eme nt only) , Desi gn of band limit ed sign als with cont rolle d ISI- Parti al Resp onse sign als			
2 0/ 0 4/ 2 0 2 0 0		https://drive.google.com/drive/u/0/fo lders/1PV0ioFd8q6 0D9YIA9OthZahMD oLGZuID			
2 2/ 0 4/ 2 0 2 0 0		Desi gn of band limit ed sign als with contr olled ISI- Parti al Resp onse sign als		https://www.youtube.c om/watch?v=R3hDZA oNONU&t=340s	
2 3/ 0 4/ 2 0 0		Prob abilit y of error for dete	https://drive.google e.com/drive/u/0/fo lders/1PV0ioFd8q6 0D9YIA9OthZahMD oLGZuID		

20	ction of Digital PAM with zero ISI				
24/0	Probability of error for detection of Digital PAM with zero ISI	https://drive.google.com/drive/u/0/folders/1PV0ioFd8q60D9YIA9OthZahMDoLGZuID			
25/0	Symbol-by-Symbol detection of data with controlled ISI	https://drive.google.com/drive/u/0/folders/1PV0ioFd8q60D9YIA9OthZahMDoLGZuID			
27/0	Channel Equalization: Linear Equalizers	https://drive.google.com/drive/u/0/folders/1PV0ioFd8q60D9YIA9OthZahMDoLGZuID			
29/0	ZFE	https://drive.google.com/drive/u/0/folders/1PV0ioFd8q60D9YIA9OthZahMDoLGZuID			
30/4	MMSE	https://drive.google.com/drive/u/0/fo			

05/2020		Iders/1PV0ioFd8q60D9YIA9OthZahMDoLGZuID			
06/05/2020	Ada ptive Equa lizer s	https://drive.google.com/drive/u/0/fo lders/1PV0ioFd8q60D9YIA9OthZahMDoLGZuID			
07/05/2020	Ada ptive Equa lizer s	https://drive.google.com/drive/u/0/fo lders/1PV0ioFd8q60D9YIA9OthZahMDoLGZuID			
08/05/2020	Revi sion on 2 Mod ule 4				
09/05/2020	Revi sion on 2 Mod ule 4				
11/05/2020	Revi sion on 2 Mod ule 4				
13/05/2020	Revi sion on 2 Mod ule 4				

14/05/2020	Revision on Module 4				
15/05/2020	Revision on Module 4				
16/05/2020	Revision on Module 4				
18/05/2020	Revision on Module 4				
20/05/2020	Revision on Module 4				
16/07/2023	Lecture-1 Module-3 Topic :		https://www.youtube.com/watch?v=IDYclMNFQCc	https://drive.google.com/open?id=0B-70_s7qTL-afmtYRHZCMId1WHInMWM4REhUdnQ3dW5wWkhWDRpUV80RHMMyaVVLRjIXMGs	https://drive.google.com/open?id=0B-70_s7qTL-afmtYRHZCMId1WHInMWM4REhUdnQ3dW5wWkhWDRpUV

	Intro ducti on				80RHMyaVVLRjXMGs
2 7/ 0 1 3/ 2 0 2 0 0	Lect ure- 0 1 3/ 2 0 Intro ducti on		https://www.youtube.com/watch?v=IDYcIMNFQCc	https://drive.google.com/open?id=0B-70_s7qTL-afmtYRHZCMId1WHInMWM4REhUdnQ3dW5wWkhwWDRpUV80RHMyaVVLRjXMGs	
2 8/ 0 3/ 2 0 2 0 0	Lect ure- 2: Purp ose of emb edde d syste m ,and one case stud y on smar t runn ing shoe s		https://www.youtube.com/watch?v=IDYcIMNFQCc	https://drive.google.com/open?id=0B-70_s7qTL-afmtYRHZCMId1WHInMWM4REhUdnQ3dW5wWkhwWDRpUV80RHMyaVVLRjXMGs	
3 0/ 0 3/ 2 0 2 0 0	Lect ure- 2: Purp ose of emb edde d syste m ,and one case stud y on smar t runn ing		https://www.youtube.com/watch?v=IDYcIMNFQCc	https://drive.google.com/open?id=0B-70_s7qTL-afmtYRHZCMId1WHInMWM4REhUdnQ3dW5wWkhwWDRpUV80RHMyaVVLRjXMGs	

	shoes				
3 1/ 0 3/ 2 0 2 0	Lecture - 3 Components used as core of an Emsys, Diff b/w GPP & ASIP, Diff b/w microprocessor and Micro Controller, Diff b/w CISC & RISC, Diff b/w Harvard and Von-neumann Architecture, Diff b/w big endian & little		https://www.youtube.com/watch?v=IDYclMNFQCc	https://drive.google.com/open?id=0B-70_s7qTL-afmtYRHZCMId1WHInMWM4REhUdnQ3dW5wWkhWDRpUV80RHMyaVVLRjiXMGs	

	endi an			
0 1/ 0 4/ 2 0 2 0	Lect ure - 3 Com pone nts used as core of an Ems ys,Di ff b/w GPP & ASIP, Diff b/w micr opro cess or and Micr o Cont rolle r,Diff b/w CISC & RISC, Diff b/w Harv ard and Von- neu man n Arch itect ure, diff b/w big endi an & little		https://www.youtube.com/watch?v=IDYcIMNFQcc	https://drive.google.com/open?id=0B-70_s7qTL-afmtYRHZCMIId1WHlnMWM4REhUdnQ3dW5wWkhWDRpUV80RHMyaVVLrjIXMGs

	endi an				
0 2/ 0 4/ 2 0 2 0	Lect ure- 4 ASIC s,PL Ds,T ypes of mem ories ,Typ es of RAM ,SRA M & DRA M tech nolo gy,S RAM Impl eme ntati on	https://www.youtube.com/watch?v=gCAYY0fHPq4 https://www.youtube.com/watch?v=6qxHT8shZaM	https://www.youtube.com/watch?v=IDYclMNFQcc	https://drive.google.com/open?id=0B-70_s7qTL-afmtYRHZCMId1WHInMWM4REhUdnQ3dW5wWkhwWDRpUV80RHMyaVVLrjIXMGs	
0 3/ 0 4/ 2 0 2 0	Lect ure- 4 ASIC s,PL Ds,T ypes of mem ories ,Typ es of RAM ,SRA M & DRA M tech nolo gy,S RAM Impl eme ntati on	https://www.youtube.com/watch?v=gCAYY0fHPq4 https://www.youtube.com/watch?v=6qxHT8shZaM	https://www.youtube.com/watch?v=IDYclMNFQcc	https://drive.google.com/open?id=0B-70_s7qTL-afmtYRHZCMId1WHInMWM4REhUdnQ3dW5wWkhwWDRpUV80RHMyaVVLrjIXMGs	

<p>Lecture-5 Sensors, actuators, I/O subsystem, LED, seven segment display, optical relay</p>		<p>https://www.youtube.com/watch?v=IDYcIMNFQCc</p>	<p>https://drive.google.com/open?id=0B-70_s7qTL-afmtYRHZCMId1WHInMWM4REhUdnQ3dW5wWkhWDRpUV80RHMyaVVLRjIXMGs</p>	
<p>Lecture-5 Sensors, actuators, I/O subsystem, LED, seven segment display, optical relay</p>		<p>https://www.youtube.com/watch?v=IDYcIMNFQCc</p>	<p>https://drive.google.com/open?id=0B-70_s7qTL-afmtYRHZCMId1WHInMWM4REhUdnQ3dW5wWkhWDRpUV80RHMyaVVLRjIXMGs</p>	
<p>Lecture-6 Topic: Operation of</p>		<p>https://www.youtube.com/watch?v=IDYcIMNFQCc</p>	<p>https://drive.google.com/open?id=0B-70_s7qTL-afmtYRHZCMId1WHInMWM4REhUdnQ3dW5wWkhWDRpUV80RHMyaVVLRjIXMGs</p>	

	<p>Tran sisto r base d relay drive r circu it, Piez o buzz er,p ush butt on switc h,co mm unic atio n inter face s with exa mple s</p>				
<p>7/ 4/ 2 0 2 0</p>	<p>Lect ure- 6 Topi c: Oper atio n of Tran sisto r base d relay drive r circu it, Piez o buzz er,p ush butt</p>		<p>https://www.youtube.com/watch?v=IDYcIMNFQCc</p>	<p>https://drive.google.com/open?id=0B-70_s7qTL-afmtYRHZCMId1WHInMWM4REhUdnQ3dW5wWkhWDRpUV80RHMyaVVLRjIXMGs</p>	

	on switch, communication interfaces with examples				
08/4/20	Lecture-7 Topic: I2C interfacing, Sequence of operation for communicating with an I2C slave device, working of serial peripheral bus interface		https://www.youtube.com/watch?v=IDYcIMNFQCc	https://drive.google.com/open?id=0B-70_s7qTL-afmtYRHZCMI1WHlnMWM4REhUdnQ3dW5wWkhWDRpUV80RHMyaVVLRjIXMGs	
9/4	Lecture-7 Topic: I2C		https://www.youtube.com/watch?v=IDYcIMNFQCc	https://drive.google.com/open?id=0B-70_s7qTL-afmtYRHZCMI1WHlnMWM4REhUdnQ3dW5wWkhWDRpUV80RHMyaVVLRjIXMGs	

	inter facin g,Se quen ce of oper atio n for com muni catin g with an I2C slave devi ce,w orkin g of seria l peri pher al bus inter face				
10/04/2022 0	Lect ure- 8 Topi c: work ing of seria l peri pher al inter face bus, Rese t circu it in emb edde d syste m,se quen		https://www.youtube.com/watch?v=IDYcIMNFQCc	https://drive.google.com/open?id=0B-70_s7qTL-afmtYRHZCMId1WHInMWM4REhUdnQ3dW5wWkhWDRpUV80RHMyaVVLRjIXMGs	

	ce of communication with 1 wire slave device.				
1/04/2020	Lecture-8 Topic: working of serial peripheral interface bus, Reset circuit in embedded system, sequence of communication with 1 wire slave device.		https://www.youtube.com/watch?v=IDYclMNFQCc	https://drive.google.com/open?id=0B-70_s7qTL-afmtYRHZCMld1WHlnMWM4REhUdnQ3dW5wWkhWDRpUV80RHMyaVVLRjIXMGs	
1/04/2020	Lecture-9 Topic: USB			https://drive.google.com/open?id=0B-70_s7qTL-afmtYRHZCMld1WHlnMWM4REhUdnQ3dW5wWkhWDRpUV80RHMyaVVLRjIXMGs	

	20				
	13/04/2020	Lecture-9 Topic: USB		https://www.youtube.com/watch?v=xtKxMXYvP8E	https://drive.google.com/open?id=0B-70_s7qTL-afmtYRHZCMId1WHInMWM4REhUdnQ3dW5wWkhWDRpUV80RHMyaVVLrjIXMGs
17EC62.4	14/04/2020	Lecture-10 Module-4 Topic:Characteristics of Embedded Systems		https://www.youtube.com/watch?v=xtKxMXYvP8E	https://drive.google.com/open?id=0B-70_s7qTL-afmtYRHZCMId1WHInMWM4REhUdnQ3dW5wWkhWDRpUV80RHMyaVVLrjIXMGs
	15/04/2020	Lecture-10 Module-4 Topic:Characteristics of Embedded Systems		https://www.youtube.com/watch?v=xtKxMXYvP8E	https://drive.google.com/open?id=0B-70_s7qTL-afmtYRHZCMId1WHInMWM4REhUdnQ3dW5wWkhWDRpUV80RHMyaVVLrjIXMGs
	16/04/2020	Lecture-11 Topic:Characteristics & Quality attributes of Embedded		https://www.youtube.com/watch?v=xtKxMXYvP8E	https://drive.google.com/open?id=0B-70_s7qTL-afmtYRHZCMId1WHInMWM4REhUdnQ3dW5wWkhWDRpUV80RHMyaVVLrjIXMGs

	edded systems				
17/20	Lecture-11 Topic: Characteristics & quality attributes of Embedded systems		https://www.youtube.com/watch?v=xtKxMXYvP8E	https://drive.google.com/open?id=0B-70_s7qTL-afmtYRHZCMld1WHlnMWM4REhUdnQ3dW5wWkhWDRpUV80RHMMyaVVLRjIXMGs	
18/20	Lecture-12 Topic: Embedded system application and domain specific		https://www.youtube.com/watch?v=xtKxMXYvP8E	https://drive.google.com/open?id=0B-70_s7qTL-afmtYRHZCMld1WHlnMWM4REhUdnQ3dW5wWkhWDRpUV80RHMMyaVVLRjIXMGs	
19/20	Lecture-12 Topic: Embedded system application and		https://www.youtube.com/watch?v=xtKxMXYvP8E	https://drive.google.com/open?id=0B-70_s7qTL-afmtYRHZCMld1WHlnMWM4REhUdnQ3dW5wWkhWDRpUV80RHMMyaVVLRjIXMGs	

	domain specific				
20/04/2020	Lecture-13 Topic: Embedded system application and domain specific		https://www.youtube.com/watch?v=xtKxMXYvP8E	https://drive.google.com/open?id=0B-70_s7qTL-afmtYRHZCMI1WHlnMWM4REhUdnQ3dW5wWkhWDRpUV80RHMyaVVLRjIXMGs	
21/04/2020	Lecture-13 Topic: Embedded system application and domain specific		https://www.youtube.com/watch?v=xtKxMXYvP8E	https://drive.google.com/open?id=0B-70_s7qTL-afmtYRHZCMI1WHlnMWM4REhUdnQ3dW5wWkhWDRpUV80RHMyaVVLRjIXMGs	
22/04/2020	Lecture-14 Topic: hardware software co-design program mod		https://www.youtube.com/watch?v=xtKxMXYvP8E	https://drive.google.com/open?id=0B-70_s7qTL-afmtYRHZCMI1WHlnMWM4REhUdnQ3dW5wWkhWDRpUV80RHMyaVVLRjIXMGs	

	ellin g				
2 3/ 4/ 2 0 2 0	Lect ure- 14 Topi c:har dwar e soft ware co- desi gn prog ram mod ellin g		https://www.youtube.com/watch?v=xtKxMXYvP8E	https://drive.google.com/open?id=0B-70_s7qTL-afmtYRHZCMId1WHInMWM4REhUdnQ3dW5wWkhWDRpUV80RHMyaVVLRjIXMGs	
2 4/ 0 4/ 2 0 2 0	Lect ure- 15 Topi c:har dwar e soft ware co- desi gn prog ram mod ellin g		https://www.youtube.com/watch?v=xtKxMXYvP8E	https://drive.google.com/open?id=0B-70_s7qTL-afmtYRHZCMId1WHInMWM4REhUdnQ3dW5wWkhWDRpUV80RHMyaVVLRjIXMGs	
2 5/ 0 4/ 2 0 2 0	Lect ure- 15 Topi c:har dwar e soft ware co- desi gn prog ram mod ellin g		https://www.youtube.com/watch?v=xtKxMXYvP8E	https://drive.google.com/open?id=0B-70_s7qTL-afmtYRHZCMId1WHInMWM4REhUdnQ3dW5wWkhWDRpUV80RHMyaVVLRjIXMGs	

26/04/2020	Lecture-16 Topic: Embedded firmware design and development		https://www.youtube.com/watch?v=5ZrjtKx2Xmg	https://drive.google.com/open?id=0B-70_s7qTL-afmtYRHZCMId1WHInMWM4REhUdnQ3dW5wWkhWDRpUV80RHMyaVVLrjIXMGs	
27/04/2020	Lecture-16 Topic: Embedded firmware design and development		https://www.youtube.com/watch?v=5ZrjtKx2Xmg	https://drive.google.com/open?id=0B-70_s7qTL-afmtYRHZCMId1WHInMWM4REhUdnQ3dW5wWkhWDRpUV80RHMyaVVLrjIXMGs	
28/04/2020	Lecture-17 Topic: Embedded firmware design and development		https://www.youtube.com/watch?v=5ZrjtKx2Xmg	https://drive.google.com/open?id=0B-70_s7qTL-afmtYRHZCMId1WHInMWM4REhUdnQ3dW5wWkhWDRpUV80RHMyaVVLrjIXMGs	
29/04/2020	Lecture-17 Topic: Embedded firmware			https://drive.google.com/open?id=0B-70_s7qTL-afmtYRHZCMId1WHInMWM4REhUdnQ3dW5wWkhWDRpUV80RHMyaVVLrjIXMGs	

	ware desi gn and deve lopment				
3 0/ 4/ 2 0 2 0	Lecture- 18 Topic:Em bedded firm ware desi gn and deve lopment			https://drive.google.com/open?id=0B-70_s7qTL-afmtYRHZCMId1WHInMWM4REhUdnQ3dW5wWkhWDRpUV80RHMyaVVLrjIXMGs	
0 1/ 0 5/ 2 0 2 0	Lecture- 18 Topic:Em bedded firm ware desi gn and deve lopment			https://drive.google.com/open?id=0B-70_s7qTL-afmtYRHZCMId1WHInMWM4REhUdnQ3dW5wWkhWDRpUV80RHMyaVVLrjIXMGs	
2/ 5/ 2 0 2 0	Lecture- 19 Topic:Em bedded firm ware desi gn and deve lopment			https://drive.google.com/open?id=0B-70_s7qTL-afmtYRHZCMId1WHInMWM4REhUdnQ3dW5wWkhWDRpUV80RHMyaVVLrjIXMGs	

17 E C 6 2. 5	Lecture-19 Topic:RTOS & IDE for embedded systems introduction		https://www.youtube.com/watch?v=5ZrjtKx2Xmg	https://drive.google.com/open?id=0B-70_s7qTL-afmtYRHZCMId1WHInMWM4REhUdnQ3dW5wWkhwWDRpUV80RHMyaVVLrjIXMGs	
4 5 2 0 2 0	Lecture-20 Topic:Operating system basics		https://www.youtube.com/watch?v=5ZrjtKx2Xmg	https://drive.google.com/open?id=0B-70_s7qTL-afmtYRHZCMId1WHInMWM4REhUdnQ3dW5wWkhwWDRpUV80RHMyaVVLrjIXMGs	
5 5 2 0 2 0	Lecture-20 Topic:Operating system basics		https://www.youtube.com/watch?v=5ZrjtKx2Xmg	https://drive.google.com/open?id=0B-70_s7qTL-afmtYRHZCMId1WHInMWM4REhUdnQ3dW5wWkhwWDRpUV80RHMyaVVLrjIXMGs	
6 5 2 0 2 0	Lecture-21 Topic:Types of operating systems		https://www.youtube.com/watch?v=5ZrjtKx2Xmg	https://drive.google.com/open?id=0B-70_s7qTL-afmtYRHZCMId1WHInMWM4REhUdnQ3dW5wWkhwWDRpUV80RHMyaVVLrjIXMGs	
7 5 2 0	Lecture-21 Topic:Types		https://www.youtube.com/watch?v=5ZrjtKx2Xmg	https://drive.google.com/open?id=0B-70_s7qTL-afmtYRHZCMId1WHInMWM4REhUdnQ3dW5wWkhwWDRpUV80RHMyaVVLrjIXMGs	

20	pes of operating systems				
8/5/2020	Lecture-22 Topic:Tasks process and threads with example		https://www.youtube.com/watch?v=5ZrjtKx2Xmg	https://drive.google.com/open?id=0B-70_s7qTL-afmtYRHZCMId1WHInMWM4REhUdnQ3dW5wWkhWDRpUV80RHMyaVVLRjIXMGs	
9/5/2020	Lecture-22 Topic:Tasks process and threads with example		https://www.youtube.com/watch?v=5ZrjtKx2Xmg	https://drive.google.com/open?id=0B-70_s7qTL-afmtYRHZCMId1WHInMWM4REhUdnQ3dW5wWkhWDRpUV80RHMyaVVLRjIXMGs	
10/5/2020	Lecture-23 Topic:Thread preemption, preemptive task scheduling techniques		https://www.youtube.com/watch?v=5ZrjtKx2Xmg	https://drive.google.com/open?id=0B-70_s7qTL-afmtYRHZCMId1WHInMWM4REhUdnQ3dW5wWkhWDRpUV80RHMyaVVLRjIXMGs	

<p>Lecture-23 Topic: Task communication, task synchronization</p> <p>1/5/2020</p>		<p>https://www.youtube.com/watch?v=5ZrjtKx2Xmg</p>	<p>https://drive.google.com/open?id=0B-70_s7qTL-afmtYRHZCMI1WHlnMWM4REhUdnQ3dW5wWkhWDRpUV80RHMyaVVLrjIXMGs</p>	
<p>Lecture-24 Topic: concept of binary and counting semaphores,</p> <p>1/5/2020</p>		<p>https://www.youtube.com/watch?v=5ZrjtKx2Xmg</p>	<p>https://drive.google.com/open?id=0B-70_s7qTL-afmtYRHZCMI1WHlnMWM4REhUdnQ3dW5wWkhWDRpUV80RHMyaVVLrjIXMGs</p>	
<p>Lecture-24 Topic: how to choose RTO S</p> <p>1/3/5/2020</p>		<p>https://www.youtube.com/watch?v=5ZrjtKx2Xmg</p>	<p>https://drive.google.com/open?id=0B-70_s7qTL-afmtYRHZCMI1WHlnMWM4REhUdnQ3dW5wWkhWDRpUV80RHMyaVVLrjIXMGs</p>	

14/5/2020	Lecture-25 Topic: integration and testing of embedded hardware and firmware		https://www.youtube.com/watch?v=5ZritKx2Xmg	https://drive.google.com/open?id=0B-70_s7qTL-afmtYRHZCMId1WHlnMWM4REhUdnQ3dW5wWkhWDRpUV80RHMyaVVLRjIXMGs	
15/5/2020	Lecture-25 Topic: embedded system development environment - Block diagram		https://www.youtube.com/watch?v=5ZritKx2Xmg	https://drive.google.com/open?id=0B-70_s7qTL-afmtYRHZCMId1WHlnMWM4REhUdnQ3dW5wWkhWDRpUV80RHMyaVVLRjIXMGs	
16/5/2020	Lecture-26 Topic: compiler		https://www.youtube.com/watch?v=5ZritKx2Xmg	https://drive.google.com/open?id=0B-70_s7qTL-afmtYRHZCMId1WHlnMWM4REhUdnQ3dW5wWkhWDRpUV80RHMyaVVLRjIXMGs	
17/5/2020	Lecture-26 Topic: simulator		https://www.youtube.com/watch?v=5ZritKx2Xmg	https://drive.google.com/open?id=0B-70_s7qTL-afmtYRHZCMId1WHlnMWM4REhUdnQ3dW5wWkhWDRpUV80RHMyaVVLRjIXMGs	
17/5/2020	Lecture-27		https://www.youtube.com/watch?v=5ZritKx2Xmg	https://drive.google.com/open?id=0B-70_s7qTL-afmtYRHZCMId1WHlnMWM4	

	2020	Topic: emulator and debugging techniques			REhUdnQ3dW5wWkhWDRpUV80RHMyaVVLRjXMGs	
17EC63.230	26/3/20	Lecture 1: scaling models	https://drive.google.com/file/d/1gHm0Va4OvWhbSqyrHWbREnoU_oZHaUPu/view?usp=drivesdk	https://youtu.be/nAysnNtrbOo	https://drive.google.com/open?id=152WgdaSN8On1O5VMeidDxJD9NooYFclr	http://www.vtuboss.in/2018/12/vtu-ece-5th-semester-cbcs-scheme-previous-question-papers.html?m=1
	27/3/20	Lecture 2: scaling factors	https://drive.google.com/file/d/1gHm0Va4OvWhbSqyrHWbREnoU_oZHaUPu/view?usp=drivesdk	https://youtu.be/nAysnNtrbOo	https://drive.google.com/open?id=152WgdaSN8On1O5VMeidDxJD9NooYFclr	
	28/3/20	Lecture 3: subsystem design structure design approach & regularity		https://youtu.be/LkR7dQvm0Ko	https://drive.google.com/open?id=152WgdaSN8On1O5VMeidDxJD9NooYFclr	
	29/3/20	Lecture 4: Architectural issues & illust		https://youtu.be/LkR7dQvm0Ko	https://drive.google.com/open?id=152WgdaSN8On1O5VMeidDxJD9NooYFclr	

		ratio n of desi gn proc ess			
3 0/ 3/ 2 0		Lecture 5: bus archi tect ure s & 4 bit shift er, barr el shift er	https://youtu.be/LkR7dQvm0Ko	https://drive.google.com/open?id=152WgdaSN8On1O5VMeidDxJD9NooYFclr	
3 1/ 3/ 2 0		Lecture 6: desi gn of one bit and 4 bit adder	https://youtu.be/vgQlQe3kfc8	https://drive.google.com/open?id=152WgdaSN8On1O5VMeidDxJD9NooYFclr	
1/ 4/ 2 0 2 0		Lecture 7: desi gn of 4 bit ALU proc esso r	https://youtu.be/vgQlQe3kfc8	https://drive.google.com/open?id=152WgdaSN8On1O5VMeidDxJD9NooYFclr	
2/ 4/ 2 0 2 0		Lecture 8: Man ches ter carry chai n & carry selec t	https://youtu.be/HdYjhrbrXqA	https://drive.google.com/open?id=152WgdaSN8On1O5VMeidDxJD9NooYFclr	

		adder			
	3/4/2022	Lecture 9: carry skip adder	https://youtu.be/FjylmOFBg3c	https://drive.google.com/open?id=152WgdaSN8On1O5VMeidDxJD9NooYFclr	
	4/4/2022	Lecture 10: carry look ahead adder	https://youtu.be/_bJ53XErKY8	https://drive.google.com/open?id=152WgdaSN8On1O5VMeidDxJD9NooYFclr	
17EC63.5	6/4/2023	Lecture 11: System timing consideration		https://drive.google.com/open?id=1TSQ8XjGMgoYOggI9ZM-3ENqNm2ZW6pQC	http://www.vtuboss.in/2018/12/vtu-ece-5th-semester-cbcs-scheme-previous-question-papers.html?m=1
	7/4/2022	Lecture 12: some commonly used storage/memory. Dynamic shift register area/power dissipation/volatility		https://drive.google.com/open?id=1TSQ8XjGMgoYOggI9ZM-3ENqNm2ZW6pQC	

8/4/2020	Lecture 13: A three transistor dynamic memory cell.		https://youtu.be/1Y9R4p4XDXU	https://drive.google.com/open?id=1TSQ8XjGMgoYOggI9ZM-3ENqNm2ZW6pQC	
9/4/2020	Lecture 14: A pseudo static RAM / register cell			https://drive.google.com/open?id=1TSQ8XjGMgoYOggI9ZM-3ENqNm2ZW6pQC	
10/4/2020	Lecture 15: Nmos pseudo static memory cell			https://drive.google.com/open?id=1TSQ8XjGMgoYOggI9ZM-3ENqNm2ZW6pQC	
11/4/2020	LECTURE 16: Four transistor dynamic and six transistor CMOS		https://youtu.be/EScS0rkBHZg	https://drive.google.com/open?id=1TSQ8XjGMgoYOggI9ZM-3ENqNm2ZW6pQC	
13/4/2020	Lecture 17: F		https://youtu.be/EScS0rkBHZg	https://drive.google.com/open?id=1TSQ8XjGMgoYOggI9ZM-3ENqNm2ZW6pQC	

2020	our transistor dynamic and six transistor static CMOS				
15/20	Lecture 18: JK and D flip flop circuit		https://youtu.be/QIO3a_kE9kw	https://drive.google.com/open?id=1TSQ8XjGMgoYOggI9ZM-3ENqNm2ZW6pQC	
16/20	Lecture 19: Introduction to testing and logic verification		https://youtu.be/lRfUPXOnVU	https://drive.google.com/open?id=1TSQ8XjGMgoYOggI9ZM-3ENqNm2ZW6pQC	
17/20	Lecture 20: Logic verification Principles		https://youtu.be/lRfUPXOnVU	https://drive.google.com/open?id=1TSQ8XjGMgoYOggI9ZM-3ENqNm2ZW6pQC	
18/20	Lecture 21: Manufacturing test		https://youtu.be/lRfUPXOnVU	https://drive.google.com/open?id=1TSQ8XjGMgoYOggI9ZM-3ENqNm2ZW6pQC	

		Principles			
	20/20	Lecture 2: Design for Testability		https://youtu.be/MgCFUO2BrkQ	https://drive.google.com/open?id=1TSQ8XjGMgoYOggI9ZM-3ENqNm2ZW6pQC
17EC634	21/22	Lecture 26: Architectural issues of subsystem design		https://youtu.be/Un1-UX_CoX4	https://drive.google.com/open?id=1DkdWd_GkC3VgOqPx2M6ZPHaju-KsA3L6
	23/24	Lecture 24: Parity generator design		https://youtu.be/E2TsYSnGtQg	https://drive.google.com/open?id=1DkdWd_GkC3VgOqPx2M6ZPHaju-KsA3L6
	24/20	Lecture 25: Multiple Data selector)			https://drive.google.com/open?id=1DkdWd_GkC3VgOqPx2M6ZPHaju-KsA3L6
	27/20	Revision on module 3			http://www.vtuboss.in/2018/12/vtu-ece-5th-semester-cbcs-scheme-previous-question-papers.html?m=1
	28/20	Revision on module 5			

2 9/ 4/ 2 0	Revi sion on mod ule5				
3 0/ 4/ 2 0	E- inter nals				
1/ 5/ 2 0	E- inter nals				
2/ 5/ 2 0	E- inter nals				
4/ 5/ 2 0	lectu re23 : Prog ram mabl e logic arra y(PL A)		https://youtu.be/gCAYYOfHPq4	https://drive.google.com/open?id=1DkdWd_GkC3VgOqPx2M6ZPHaju-KsA3L6	
5/ 5/ 2 0	Lect ure3 3: Intro ducti on to FPG A syste m		https://youtu.be/gCAYYOfHPq4	https://drive.google.com/open?id=1DkdWd_GkC3VgOqPx2M6ZPHaju-KsA3L6	
6/ 5/ 2 0	Lect ure3 4: FPG A archi tect ure		https://youtu.be/gCAYYOfHPq4	https://drive.google.com/open?id=1DkdWd_GkC3VgOqPx2M6ZPHaju-KsA3L6	

7/5/20	Lecture 35: Physical design of FPGA		https://youtu.be/gCAYY0fHPq4	https://drive.google.com/open?id=1DkdWd_GkC3VgOqPx2M6ZPHaju-KsA3L6	
9/5/20	Lecture 27: Switch logic Pass transistor and transmission gates		https://youtu.be/EusSZWTjBE	https://drive.google.com/open?id=1DkdWd_GkC3VgOqPx2M6ZPHaju-KsA3L6	
11/5/20	Lecture 28: Gate logic & Inverter		https://youtu.be/6jLd02O8uo8	https://drive.google.com/open?id=1DkdWd_GkC3VgOqPx2M6ZPHaju-KsA3L6	
12/5/20	Lecture 29: two input Nmos, CMOS, basic nand gate, critical path factor		https://youtu.be/orNRyYhOtG8	https://drive.google.com/open?id=1DkdWd_GkC3VgOqPx2M6ZPHaju-KsA3L6	
13/5/20	Lecture 30: pseudo Nmos		https://youtu.be/RSKsKNjOurE	https://drive.google.com/open?id=1DkdWd_GkC3VgOqPx2M6ZPHaju-KsA3L6	

		s logic				
1 4/ 5/ 2 0		lectu re31 : Dyna mic CMO S logic & Cloc ked Cmo s logic		https://youtu.be/RSKsKNjOurE	https://drive.google.com/open?id=1DkdWd_GkC3VgOqPx2M6ZPHaju-KsA3L6	
1 6/ 5/ 2 0		Lect ure3 2: CMO S domi no logic ,np CMO S logic		https://youtu.be/D1lluYnMMPw	https://drive.google.com/open?id=1DkdWd_GkC3VgOqPx2M6ZPHaju-KsA3L6	
1 8/ 5/ 2 0		Revi sion				
1 9/ 5/ 2 0		Revi sion				
2 0/ 5/ 2 9		Revi sion				
1 7 E C 6 3/ 4. 2 0		PPT and Vide o links up to Mod ule 3	https://drive.google.com/drive/folders/1Pck4TFO7DmTJi-vS7WHW0PzpHiAYIGjo?usp=sharing	https://www.youtube.com/watch?v=ULgKbLWhgEM https://www.youtube.com/watch?v=Bvdz24orMhQ&list=PLWPirh4EWFpHJrW1D9UB24wsbM3zx7QMx&index=4&t=0s	https://drive.google.com/drive/folders/1Pck4TFO7DmTJi-vS7WHW0PzpHiAYIGjo?usp=sharing	1. https://www.vtresource.com/my-papers/EC/2015/6/ 2. https://www.vtresource.com/vtu-model-question-

		<p>https://www.youtube.com/watch?v=ACmNmb3jtEs&list=PLWPirh4EWFpHJrW1D9UB24wsbM3zx7QMx&index=4</p> <p>https://www.youtube.com/watch?v=SPvMpVXHfgA&list=PLWPirh4EWFpHJrW1D9UB24wsbM3zx7QMx&index=8</p> <p>https://www.youtube.com/watch?v=YiHhWFSEt2k&list=PLWPirh4EWFpHJrW1D9UB24wsbM3zx7QMx&index=9</p> <p>https://www.youtube.com/watch?v=m8NkpykcQ3c&list=PLWPirh4EWFpHJrW1D9UB24wsbM3zx7QMx&index=7</p> <p>https://www.youtube.com/watch?v=VBAuzvVzOQU</p> <p>https://www.youtube.com/watch?v=EC1sIXCT3bg</p> <p>https://www.youtube.com/watch?v=IQ_YPlnVnTo&list=PLWPirh4EWFpHJrW1D9UB24wsbM3zx7QMx&index=61</p> <p>https://www.youtube.com/watch?v=c39k2cIZU74</p> <p>https://www.youtube.com/watch?v=iKn0GzF5-IU</p> <p>https://www.youtube.com/watch?v=iKn0GzF5-IU</p> <p>https://www.youtube.com/watch?v=pYG8HBIYtIM</p> <p>https://www.youtube.com/watch?v=CPWVT8Zs4J4</p> <p>https://www.youtube.com/watch?v=r-</p>		papers-2017/ece-6-sem-cbcs
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			<p>edAmRre-0</p> <p>https://www.youtube.com/watch?v=NAAI9grUpSs</p> <p>https://www.youtube.com/watch?v=CAGr5MYIW1l</p> <p>https://www.youtube.com/watch?v=inciMfOnGdk</p> <p>https://www.youtube.com/watch?v=Aj_gTMT982c</p> <p>https://www.youtube.com/watch?v=1z0ULvg_pW8</p> <p>https://www.youtube.com/watch?v=MmwF1oHOvmg</p> <p>https://www.youtube.com/watch?v=4jXzuEu-qYE</p> <p>https://www.youtube.com/watch?v=stHJtWOGLFs</p> <p>https://www.youtube.com/watch?v=-HIJ4psu5aU</p>		
27/20	IPV4 Address Space, Classful Addressing, Classless Addressing	<p>1. https://www.youtube.com/watch?v=1Kwbo23RLGQ</p> <p>2. https://www.youtube.com/watch?v=Tqm8Mhb4L50&list=PLWPirh4EWFpHJrW1D9UB24wsbM3zx7QMx&index=95</p> <p>Subnetting</p> <p>3. https://www.youtube.com/watch?v=XQ3T14SIIv4</p> <p>4. https://www.youtube.com/watch?v=i5jcfbj_Trl</p>	<p>1. https://www.tutorialspoint.com/ipv4/ipv4_address_classes.htm</p> <p>2. https://www.omniseku.com/tcpip/internet-layer-ip-subnetting-part1.php</p>		

			<p>5. https://www.youtube.com/watch?v=epiLAqEezPM</p> <p>6. https://www.youtube.com/watch?v=q7wNcYliJ1Q</p> <p>7. https://www.youtube.com/watch?v=h0maZ03CRXA</p>		
	28/3/20	DHC P and NAT	<p>1. https://www.youtube.com/watch?v=4pkDL1pgCgQ</p> <p>2. https://www.youtube.com/watch?v=S43CFcpOZSI</p> <p>3. https://www.youtube.com/watch?v=FTUVOt6JaDA</p> <p>4. https://www.youtube.com/watch?v=QBqPzHEDzvo</p>	<p>1. http://www.idc-online.com/technical_references/pdfs/data_communications/DHCP.pdf</p> <p>2. https://www.ibm.com/support/knowledgecenter/ssw_ibm_i_73/rzakg/rzakgpdf.pdf</p> <p>3. https://www.ics.uci.edu/~magda/cs620/ch6.pdf</p> <p>4. https://www.routeralley.com/guides/nat.pdf</p>	
	29/3/20	Forwarding of IP Packets(Module 3 ends).	<p>1. https://www.youtube.com/watch?v=Fso8qDS2p1w</p> <p>2. https://www.youtube.com/watch?v=U1w-b9GI0k</p> <p>3.</p>	<p>1. http://networking.khu.ac.kr/html/lecture_data/2010_09_Internet_Protocol_and_Programming/Chapter6(Delivery%20and%20Forwarding%20of%20IP%20Packets).pdf</p>	
17/EC/64/0	30/3/20	Module 4: Network Layer Protocols: Internet Protocol (IP): Data	<p>https://www.youtube.com/watch?v=-KRmts0J0Hk</p>	<p>1. http://www.uobabylon.edu.iq/eprints/publication_3_30761_1425.pdf</p> <p>2. http://www.tcpipguide.com/TCPIPGuide_2-0_s11.pdf</p>	

	gram Format, Fragmentation			
3 1/ 3/ 2 0	Unit Test 2			
1/ 4/ 2 0 2 0	Security of IPv4 Data grams, ICM Pv4: Message s, Debug ging Tools, s,	<p>1. https://unacademy.com/lesson/security-of-ipv4-datagram/Z6Q9S54B</p> <p>2. https://www.youtube.com/watch?v=-KRmts0JOHk</p> <p>3. https://www.youtube.com/watch?v=sAX01FbgFqc</p> <p>4. https://www.youtube.com/watch?v=M5h8BgZVPM</p> <p>5. https://www.youtube.com/watch?v=rfJJI TCqyOs</p>	<p>1. https://unacademy.com/lesson/security-of-ipv4-datagram/Z6Q9S54B</p> <p>2. https://cse.sc.edu/~wyxu/515Fall08/slides/IPRoutingtrace.pdf</p> <p>3. https://www.informit.com/articles/article.aspx?p=26557&seqNum=5</p> <p>4. https://study-ccna.com/debug-command/</p> <p>5. http://slideshare.net/sadeedameen/network-testing-and-debugging</p>	
2/ 4/ 2 0 2 0	Mobile IP: Addressing, Agents, Three Phases, Inefficiency in Mobile	<p>1. https://www.youtube.com/watch?v=6yHLAV8t2Uw</p> <p>2. https://www.youtube.com/watch?v=o_WnRMYgW94</p>	<p>1. https://www.cisco.com/c/en/us/ttd/docs/ios/solutions_docs/mobile_ip/mobile_ip.html</p> <p>2. https://docs.oracle.com/cd/E19455-01/806-7600/6jgfbep0v/index.html</p>	

	ile IP.			
3/ 4/ 2 0 2 0	Unicast Routing: Introduction, Routing Algorithms: Distance Vector Routing,	<ol style="list-style-type: none"> https://www.youtube.com/watch?v=qvBpF2qkK_Y https://www.youtube.com/watch?v=dmS1t2twFrI https://www.youtube.com/watch?v=0BSD8rUe2Ts 	<ol style="list-style-type: none"> https://www.geeksforgeeks.org/types-of-routing/ https://www.cse.wustl.edu/~jain/bnr/ftp/e_5pkt.pdf https://www.tutorialspoint.com/data_communication_computer_network/network_layer_routing.htm https://www.slideshare.net/sambhenilesh/routing-algorithm-network-layer 	
4/ 4/ 2 0 2 0	Unicast Routing: Link State Routing, Path Vector routing,	<ol style="list-style-type: none"> https://www.youtube.com/watch?v=kdeZ040fyul https://www.youtube.com/watch?v=ud7qWRBirk https://www.youtube.com/watch?v=Ug1EegHxrQ&list=PLFsFv9wvvnwMUws5fJX8SOXjzPco2HSRag&index=4 	<ol style="list-style-type: none"> https://cseweb.ucsd.edu/classes/fa10/cse123/lectures/123-fa10-112.pdf http://www.idc-online.com/technical_references/pdfs/data_communications/Link_State_Routing_Algorithm.pdf https://www.slideshare.net/KABILESHRkabilesh/distance-vector-routing-protocols https://cseweb.ucsd.edu/classes/fa11/cse123-a/123f11_Lec9.pdf 	
6/ 4/ 2 0 2 0	Unicast Routing Protocol: Internet Structure	<ol style="list-style-type: none"> https://www.youtube.com/watch?v=fdUVWcM7Dco&list=PLFsFv9wvvnwMUws5fJX8SOXjzPco2HSRag&index=5 	<ol style="list-style-type: none"> http://www.manshaei.org/Courses/Intro-CompEng/ComptEng-05.pdf https://www.inet.tu-berlin.de/fileadmin/fg234_teaching/SS15/IR_15/ir15_01_intro.pdf https://web.stanford.edu/class/msande91si/www-spr04/readings/week1/InternetWhitepaper.htm 	
7/ 4/ 2	Unicast Routing	<ol style="list-style-type: none"> https://www.youtube.com/watch?v=fdUVWcM7Dco&list=PLFsFv9wvvnwMUws5fJX8SOXjzPco2HSRag&index=5 	<ol style="list-style-type: none"> https://searchnetworking.techtarget.com/definition/Routing- 	

	0 ing 2 Prot 0ocol: Rout ing Infor mati on Prot ocol		.com/watch?v=cF_OS_cblqNg	Information-Protocol 2. https://www.geeksforgeeks.org/routing-interface-protocol-rip-v1-v2/?ref=rp	
8/ 4/ 2 0 2 0	Unic ast Rout ing Prot ocol: Ope n Shor test Path First		1. https://www.youtube.com/watch?v=h-cmEoMDi9s&list=PLFsFv9wvnwMUws5fJX8SOXjzpCo2HSRag&index=6 2. https://networklessons.com/ospf	1. https://www.csd.uoc.gr/~hy435/material/ospf.pdf 2. https://www.slideshare.net/RespaPeter/open-shortest-path-first-ospf	
9/ 4/ 2 0 2 0	Unic ast Rout ing Prot ocol: Bord er Gate way Prot ocol Versi on 4.		1. https://www.youtube.com/watch?v=k37cnAazjUQ 2. https://www.youtube.com/watch?v=AyM8zGGhCO8	1. https://www.slideshare.net/ThousandEyes/how-bgp-works 2. https://www.routeralley.com/guides/bgp.pdf	
1 7 E C 6 4. 5	1 0/ 4/ 2 0 2 0 Serv ices,		1. https://www.youtube.com/watch?v=IL-xFm5h_fE 2. https://www.youtube.com/watch?v=kAty4mKczEg 3. https://www.youtube.com/watch?v=y-Dxk3_yUll	1. https://www.javatpoint.com/computer-network-transport-layer 2. http://www.gpcet.ac.in/wp-content/uploads/2017/01/unit-4-cn.pdf	

1 1/ 4/ 2 0 2 0	Module 5: Connectionless and Connection oriented Protocols	1. https://www.youtube.com/watch?v=wBLOKEb3plg 2. https://www.youtube.com/watch?v=jJyXpMmXJI0 3. https://www.youtube.com/watch?v=DBPKwDav6s0	1. https://www.geeksforgeeks.org/difference-between-connection-oriented-and-connection-less-services/ 2. https://www.studytonight.com/computer-networks/connection-oriented-and-connectionless-service	
1 3/ 4/ 2 0 2 0	Quiz 1			
1 5/ 4/ 2 0 2 0	Revision module 4			
1 6/ 4/ 2 0 2 0	Module 5: Transport Layer Protocols: Simple protocol	1. https://www.youtube.com/watch?v=3f_g_bho-K0 2. https://www.youtube.com/watch?v=SbQZMhBrRI4 (In video they considered Data link layer, actually here you have to consider transport layer)	1. http://manaskhatua.github.io/courses/CS321/CN_Lec5_1_Transport_Layer_Introduction.pdf 2. http://www.cse.bgu.ac.il/common/download.asp?FileName=Protocols_Lecture.pdf&AppID=2&MainID=501&SecID=4259&MinID=3	
1 7/ 4/ 2 0 2 0	Stop and wait protocol,Go-Back-N Prot	1. https://www.youtube.com/watch?v=KPWjG45TDTM 2. https://www.youtube.com/watch?v=jHW-nEixLLg		

		ocol ,			
18/4/2020		Selective repeat protocol, User Datagram Protocol	1. https://www.youtube.com/watch?v=z6916H1SQik 2. https://www.youtube.com/watch?v=bIV7WUZpkCE		
20/4/2020		UDP Services, UDP Applications,	https://www.youtube.com/watch?v=MTLNqCWtGf0		
21/4/2020		Transmission Control Protocol : TCP Services, TCP Features,	https://www.youtube.com/watch?v=UpEs1P5uelQ		
22/4/2020		Quiz 2			

23/4/2020	Segment, Connection,		https://www.youtube.com/watch?v=0Ta82nFzNsl		
27/4/2020	State Transition diagram, Windows in TCP,		https://www.youtube.com/watch?v=Oc5OjScAlzg		
28/4/2020	Flow control, Error control, TCP congestion control.		https://www.youtube.com/watch?v=CQFtBaEzDnU		
30/4/2020	Revision on module 5				
1/5/2020	CIE 2 on modules 4 and 5				
02/05/2020	Revision				

2020/05/20					
1703-03-06-05-04-03	Lecture 1: Mod 3: Intro, Unit of traffic	https://drive.google.com/drive/u/1/folders/1qZQGCQv4c KJITKE-GtyZWYj1LzZXyKwu			
30-03-02-00	Lecture 2: Congestion	https://drive.google.com/drive/u/1/folders/1qZQGCQv4c KJITKE-GtyZWYj1LzZXyKwu			
31-03-02-00	Lecture 3: Matematical Model	https://drive.google.com/drive/u/1/folders/1qZQGCQv4c KJITKE-GtyZWYj1LzZXyKwu			
41-02-02-00	Lecture 4: Lost Call Systems	https://drive.google.com/drive/u/1/folders/1qZQGCQv4c KJITKE-GtyZWYj1LzZXyKwu			
02-04-02	Lecture 5: Queuing	https://drive.google.com/drive/u/1/folders/1qZQGCQv4c KJITKE-GtyZWYj1LzZXyKwu			

		ware Arch itect ure			
1 6. 4. 2 0		Lect ure 12: SW archi tect ure for L1 to L3 cont rol	https://drive.google.com/drive/u/1/fo lders/1qZQGCQv4c KJjTKE- GtyZWYj1LzZXyKwu		
1 7. 4. 2 0		Lect ure 13: DSS soft ware class ificat ion	https://drive.google.com/drive/u/1/fo lders/1qZQGCQv4c KJjTKE- GtyZWYj1LzZXyKwu		
1 8. 4. 2 0		Lect ure 14: Call mod els	https://drive.google.com/drive/u/1/fo lders/1qZQGCQv4c KJjTKE- GtyZWYj1LzZXyKwu		
1 9. 4. 2 0		Lect ure 15: Soft ware linka ges duri ng a call	https://drive.google.com/drive/u/1/fo lders/1qZQGCQv4c KJjTKE- GtyZWYj1LzZXyKwu		
2 0. 4. 2 0		Lect ure 16: Feat ure Flow Diag ram	https://drive.google.com/drive/u/1/fo lders/1qZQGCQv4c KJjTKE- GtyZWYj1LzZXyKwu		
2 1. 4. 2 0		Lect ure 17: Feat ure	https://drive.google.com/drive/u/1/fo lders/1qZQGCQv4c KJjTKE- GtyZWYj1LzZXyKwu		

		Inter actio n			
1 7 E C 6 5 4. 4. 5	2 2. 4. 2 0	Mod 5:Le ctur e 18: Soft war e Mai ntai nenc e	https://drive.google.com/drive/u/1/fo lders/1qZQGCQv4c KJjTKE- GtyZWYj1LzZXyKwu		
	2 3. 4. 2 0	Lect ure 19: Inter face of a typic al DSS CO	https://drive.google.com/drive/u/1/fo lders/1qZQGCQv4c KJjTKE- GtyZWYj1LzZXyKwu		
	2 4. 4. 2 0	Lect ure 20: Syst em outa ge and its impa ct on DSS Relia bility	https://drive.google.com/drive/u/1/fo lders/1qZQGCQv4c KJjTKE- GtyZWYj1LzZXyKwu		
	2 5. 4. 2 0	Lect ure 21: I mpa ct of Soft ware patc hes	https://drive.google.com/drive/u/1/fo lders/1qZQGCQv4c KJjTKE- GtyZWYj1LzZXyKwu		
	2 6. 4. 2 0	Lect ure 22: Met hod olog y for	https://drive.google.com/drive/u/1/fo lders/1qZQGCQv4c KJjTKE- GtyZWYj1LzZXyKwu		

		prop er Sw main taine nce			
2 7. 4. 2 0		Lect ure 23: Hard ware Arch itect ure https://drive.google.com/drive/u/1/folders/1qZQGCQv4cKjTKE-GtyZWYj1LzZXyKwu			
2 8. 4. 2 0		Lect ure 24: Soft ware Arch itect ure https://drive.google.com/drive/u/1/folders/1qZQGCQv4cKjTKE-GtyZWYj1LzZXyKwu			
2 9. 4. 2 0		Lect ure 25: Reco very Strat egy https://drive.google.com/drive/u/1/folders/1qZQGCQv4cKjTKE-GtyZWYj1LzZXyKwu			
3 0. 4. 2 0		Lect ure 26: Simp le call thro ugh a DSS https://drive.google.com/drive/u/1/folders/1qZQGCQv4cKjTKE-GtyZWYj1LzZXyKwu			
3 1. 4. 2 0		Lect ure 27: Com mon char acter istics https://drive.google.com/drive/u/1/folders/1qZQGCQv4cKjTKE-GtyZWYj1LzZXyKwu			
1. 5. 2 0		Lect ure 28: Relia bility Anal ysis https://drive.google.com/drive/u/1/folders/1qZQGCQv4cKjTKE-GtyZWYj1LzZXyKwu			

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5	25 Mar c h 20 22	DES IGN FLO W, DES IGN OPT IMI ZA TIO N			https://new.edmodo.com/post/723265417	
5	26 Mar c h 20 22	DES IGN FO R TES T			https://new.edmodo.com/post/723265417	
5	28 Mar c h 22	NO N TEC HNI CA L			https://new.edmodo.com/post/723265417	http://www.vtuboss.in/2018/12/vtu-ece-5th-semester-cbcs-scheme-previous-question-papers.html?m=1

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2	0 1 A pr il 2 2 0 2 0	Mod ule 2 Intr odu ctio n			https://new.edmodo.com/post/730118876
2	0 2 A pr il 2 0 2 0	Tri- state driv er			https://new.edmodo.com/post/730124760
2	0 3 A pr il 2 0 2 0	Me mor y type s Asy nchr ono us Stati c RA M Syn chro nous Stati c RA M			https://new.edmodo.com/post/730961349
2	0 4 A pr il 2 0 2 0	Veri log Mod elin g of Me mori es			https://new.edmodo.com/post/731463794
2	0 5 A	DR AM			https://new.edmodo.com/post/731754553

	pr il 2 0 2 0	RO Ms			
2	0 6 A pr il 2 0 2 0	Prog ram ma b le RO Ms			https://new.edmodo.com/post/732547683
2	0 7 A pr il 2 0 2 0	Topi c prob lems on erro r dete ctio n and corr ecti on			https://new.edmodo.com/post/734936599
2	0 8 A pr il 2 0 2 0	Topi c prob lems on erro r dete ctio n and corr ecti on			https://new.edmodo.com/post/734936599
2	0 9 A pr il 2 0 2 0	RE VIS ION			https://new.edmodo.com/post/734939533

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3	1 3 A pr il 2 0 2 0 0	INT EG RA TE D CIR CUI T			https://new.edmodo.com/post/741645428
3	1 4 A pr il 2 0 2 0 0	INT EG RA TE D CIR CUI T			https://new.edmodo.com/post/741645428
3	1 7 A pr il 2 0 2 0 0	PR OG RA MM AB LE LO GIC DE VIC ES			https://new.edmodo.com/post/741646693
3	1 8 A pr il 2 0 2 0 0	PR OG RA MM AB LE LO GIC DE VIC ES			https://new.edmodo.com/post/741646693
3	2 0 A pr	CIR CUI AT BO			https://new.edmodo.com/post/741649255

	il 2 0 2 0	AR DS			
3	2 1 A pr il 2 0 2 0	CIR CUI T BO AR DS			https://new.edmodo.com/post/741649255
3	2 4/ 4/ 2 0 2 0	CIR CUI T BO AR DS Con td.			
3	2 5/ 4/ 2 0 2 0	CIR CUI T BO AR DS Cont d.			
3	2 7/ 0 4/ 2 0 2 0	PAC KAGI NG			
3	2 8/ 0 4/ 2 0 2 0	PAC KAGI NG			
3	0 1/ 0 5/ 2 0 2 0	PAC KAGI NG Cont d.			

3	2/ 5/ 2 0 2 0	PAC KA GIN G Cont d.				