

#### SIDDHARTH INSTITUTE OF ENGINEERING & TECHNOLOGY::PUTTUR (AUTONOMOUS) (Approved by AICTE, New Delhi & Affiliated to JNTUA, Ananthapuramu) (Accredited by NBA for Civil, EEE, Mech., ECE &CSE) (Accredited by NAAC with 'A' Grade) Puttur-517583, Chittoor District, A.P. (India) Department of Electronics and Communication Engineering

#### Name of the faculty: U Srinivasulu

#### Course name: Digital Communications (C315) Year of Study: 2020-21 (III /I Sem)

#### **Course Outcomes:**

C315.1	Understand the Elements of Digital Communication System, Fundamental concepts of sampling theorem along with various base band and pass band transmission techniques.
C315.2	Describe and determine the performance of Matched Filter and methods to mitigate inter symbol interference.
C315.3	Analyze the generation and detection of band pass and pass band systems.
C315.4	Apply the concepts of signal space diagram, spectrum, and bandwidth efficiency in different transmission techniques.
C315.5	Analyze the performance of various schemes for the reliable transmission of digital representation of signals and information over the channel.

#### Course name: Digital Communications (C315) Year of Study: 2020-21 (III / I Sem)

со	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
C315.1	3	2	1	-	-		-	-	-	-	-	-	-	3	-
C315.2	3	2	1	1	-	-	-	-	-	-	-	-	2	-	-
C315.3	2	2	2	-	-	-	-	-	-	-	-	-	2	-	-
C315.4	3	1	2	2	2	-	-	-	-	-	-	-	-	3	-
C315.5	2	2	2	-	-	-	-	-	-	-	-	-	-	-	-
C315	2.6	1.8	1.6	1.5	2								2	2.67	

Signature of the faculty

Signature of the HOD HEAD Dept. of Electronics & Communication Engg. Siddharth Institute of Engg. & Tech. Narayanavanam Road, Puttur-517 583.



SIDDHARTH INSTITUTE OF ENGINEERING & TECHNOLOGY::PUTTUR (AUTONOMOUS) (Approved by AICTE, New Delhi & Affiliated to JNTUA, Ananthapuramu) (Accredited by NBA for Civil, EEE, Mech., ECE &CSE) (Accredited by NAAC with 'A' Grade) Puttur-517583, Chittoor District, A.P. (India) Department of Electronics and Communication Engineering

Academic Year:2020-21

#### Subject: Digital Communications(C315)

Year/Sem: III/I

Internal	External	Average
73	53.4	63.2
83	53.4	68.2
65	53.4	59.2
71	53.4	62.2
72	53.4	62.2
80	53.4	66.7
74	53.4	63.7
3	1	2
	Internal 73 83 65 71 72 80 74 3	Internal         External           73         53.4           83         53.4           65         53.4           71         53.4           72         53.4           80         53.4           74         53.4           3         1

#### OVERALL ATTAINMENT LEVEL=40% OF

#### INTERNAL+60%OF EXTERNAL

OVERALL ATTAINMENT

1.8

1	>50%
2	>60%
3	>70%

Attainment Level

Signature of the HOD HEAD Dept. of Electronics & Communication Engg. Siddharth Institute of Engg. & Tech. Narayanavanam Road, Puttur-517 583.

Signature of the faculty



SIDDHARTH INSTITUTE OF ENGINEERING & TECHNOLOGY::PUTTUR (AUTONOMOUS) (Approved by AICTE, New Delhi & Affiliated to JNTUA, Ananthapuramu) (Accredited by NBA for Civil, EEE, Mech., ECE &CSE) (Accredited by NAAC with 'A' Grade) Puttur-517583, Chittoor District, A.P. (India) Department of Electronics and Communication Engineerin

Academic Year:2020-21

Subject: Digital Communications (C315)

Year/Sem: III/I

### CO-PO-PSO ATTAINMENT

PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
73	73	73	73	73	-	-	-	-		73	-	-	-	-
83		83	83	83	-	-	-	-	83		-	-	-	-
65	65	65	65	65	-	-	-	-	-	65	-	-	-	-
-	71	-	71	71	-	-	-	-	-		71	-	-	-
72	72	72	-	72	-	-	-	-	-	72	_	-	-	-
80	80	80	80	80	-	-	-	-	-	80	80	-	-	-
75	72	75	75	74	-	<u>-</u>	-	-	83	73	76	-	-	-
3	3	3	3	3	-	-	-	-	3	3	3	-	-	-
	PO1 73 83 65 - 72 80 75 3	PO1       PO2         73       73         83       -         65       65         -       71         72       72         80       80         75       72         3       3	PO1         PO2         PO3           73         73         73           83         -         83           65         65         65           -         71         -           72         72         72           80         80         80           75         72         75           3         3         3	PO1PO2PO3PO47373737383-838365656565-71-71727272-80808080757275753333	PO1         PO2         PO3         PO4         PO5           73         73         73         73         73         73           83         -         83         83         83           65         65         65         65         65           -         71         -         71         71           72         72         72         -         72           80         80         80         80         80           75         72         75         75         74           3         3         3         3         3	PO1         PO2         PO3         PO4         PO5         PO6           73         73         73         73         73         73         -           83         -         83         83         83         -           65         65         65         65         65         -           -         71         -         71         71         -           72         72         72         72         -         72         -           80         80         80         80         80         -         -           75         72         75         75         74         -           3         3         3         3         3         -	PO1PO2PO3PO4PO5PO6PO773737373737383-838383656565656571-7171727272-728080808080757275757433333	PO1         PO2         PO3         PO4         PO5         PO6         PO7         PO8           73         73         73         73         73         73         -         -         -           83         -         83         83         83         -         -         -           65         65         65         65         65         -         -         -           72         72         72         72         72         -         75         -         -           75         72         75         75         75         74         -         -         -           3         3         3         3         3         3         3         -         -         -	PO1         PO2         PO3         PO4         PO5         PO6         PO7         PO8         PO9           73         73         73         73         73         73         -         -         -         -           83         -         83         83         83         -         -         -         -           65         65         65         65         -         -         -         -           72         72         72         72         -         75         75         75         75         74         -         -         -           3         3         3         3         3         -         -         -         -	PO1PO2PO3PO4PO5PO6PO7PO8PO9PO10737373737383-83838383656565656571-7171727272-728080808080757275757483333333	PO1         PO2         PO3         PO4         PO5         PO6         PO7         PO8         PO9         PO10         PO11           73         72         72         72	PO1PO2PO3PO4PO5PO6PO7PO8PO9PO9PO10PO11PO127373737373737373-83-83838383836565656565658371-717171727272727272757483737633333333	PO1         PO2         PO3         PO4         PO5         PO6         PO7         PO8         PO9         PO10         PO11         PO12         PS01           73         71         73         71         71         71         71         71         72         72         72         72         72         73	PO1         PO2         PO3         PO4         PO5         PO6         PO7         PO8         PO9         PO10         PO11         PO12         PS01         PS02           73

Signature of the faculty

Signature of the HOD HEAD Dept. of Electronics & Communication Engra Siddharth Institute of Engg. & Tech. Narayanavanam Road, Puttur-517 583. SIDDHARTH INSTITUTE OF ENGIEERING & TECHNOLOGY :: PUTTUR

(Autonomous) Course Assessment & Attainment Work Sheet

> Course Name Electromagnetic Theory and Transmission Lines Vear. 2020-21

Course Code: 18EC0412 Department : ECE Faculty : J Rajanikanth/K D Mohana Sundaram

- 3

														F	est Ma	irks			-			-	11.02.50		1			1	2 2	4	0	O Total	Marks			3		3		CLL	
Ouection			-			-	-	2	2	3	9	4	4	S	9	9					-1		~	~ 4	5	2 4	T 2	a =	0 4	•	Ð	om all	Fests &	<del></del>		0	NIOC	0		SEE	
	6	15		ASS	17		9	a	q	2	q	π	p, n	4	22	2	õ	012		ASS2	a .	9	E 1.0	G	2	12		1 LI	LI 12	1		ungisse	(curs)			-				-	
Blooms Level	1	7		ĩ	£	3 21	300	3 121	3 191	1 mil	3	3 81	2 221	211	3 810	- 11	10	90	+0	50	20	1 20	1 : 22 0		11'8.0	NT 0	SNE O	9.00	903		2 0.3 1 0.3	£ 00	\$03	900	10.5	t0.)	C.03	CO1	90.3	C03	
60	00	03	00	C0	со	оэ	60	co	00	00		со	0.5	0.0	00	0.0	0 9		3 9	5 5			9 9		y c	2 0	o c	w,	5 10		20 20	20	20 2(	0 40	20	20	20 2	20 20	40	Target	-
Max Marks	10	E 01	0 16	10	10	8	2	5	5	10		vi -	in a	0.	1	2	10	1 0	10	10	10	-						6	5 4	1.25%	20 20	20	16 16	27	100	100 1	100	30 8(	68	15	
18F61A0401	10	1 01	0 10	10	10		-	I	2			2	10.00			1	0 0	0 0	2 9	2, 0	0		10	T	77				IC		20 20	20	18	28	100	100	100	96 96	70	46	
18F61A0402	10	1 01	0 30	01 0	10			4	2	-		and	Cont.	-		-	2 0	2 4	1	2	1		1621		1000	0		0	4		20 20	20	18 18	24	100	100	160	96 96	60	22	
18F61A0403	10	10	0 10	10	10	5	11			T			1 1 1		4		2	2 1	11	2 9	1 1 1	r	0		-				2		20 20	20	17 17	20	100	100	100	85 85	20	22	
18F61A0404	10	10	0 10	1 10	10				-			T	1 main		1	-	+	-	2	10	2	-	4			100			0		20 20	20	1 17	26	100	100	1001	85 8	65	16	1
18F61A0405	10	10	0 11	01 10	10	1	11	C. M. C.	1990	-	-	100	5	NOT OF	41		1		1 10	0	1	+	- Contraction		No. of		10.50	-		10 10	00 00	20	1 2	21	100	100	1001	70 70	3	26	Γ
18F61A0406	10	10	0 10	01 10	10	or unit	10	NAME OF TAXABLE	5	The second	13.80		61	and the second		-	4	4	2	10	101	-	21			-			-		00 00	00	81	8 27	100	100	100	96 96	68	26	T
1 8561 A0407	10	101	0 1	01 0	10		-		1	¢1	12-3		1	10	1		8	8	8	0	01	-		T		1	1				00 00	00	0	20	100	1001	001	95 9	73	40	
00000 + 2001	01	0	0 1	01 0	01	~		Diote M	100	10	1	ないたい	C.A	50 IN	v	S	6	5 6	0 10	01	10	-	01		S	4		10.00	Coll.		07 N7	2 6				001	100	2 28	05	10	
0.101.101010	0t	101	0 1	01 10	10	12	1	Las	-		100.0			-	1		7	1 2	1 10	10	10	5			0	4	C C C C C C C C C C C C C C C C C C C	2	1		20 20	07		77	001	DOL 1	100	2 20		2	
18151A0410	2.	2 5		1	01	-	10		-	and a second				100	- Contraction		m	m	3 10	10	10	-	and the second		and the second			E I	4	1220	20 20	50	El El	13	306	100	1001	6	10	10	
18F61A0411	10	2	2		2 :	South States		Citerio di				Surgering	-	-	M	-	9	19	5 10	10	10	1			A STATE	61	No.	2	1	IES:	20 20	50	16 16	61 5	106	90E	100	80 8	48	6	
18F51A0412	01	10	0	2 0	01		78	Con I	-	N. P.	1	State of the second		1	-	"	0	0	5 10	10	10	4	1995				m	61	5 3		20 20	20	16 16	5 24	100	100	100	80 8	09 0	43	
18F61A0413	10	10	- 01	0 10	01		-	-	^		1								01	10	10	-				-	and a			10-10	20 20	20	10 1(	0 10	100	100	100	50 5	25	15	
18F61A0414	10	10	1 01	0 10	01 0	Sec.	-	and	64			Contraction of the second				-	0 V	2 4	01 9	0	10	-	5				1	2	5		20 2(	20	16 14	6 24	100	100	100	80 8	09 0	22	
18F61A0415	16	10	10 1	0 16	01 0		-		-			Carlos Carlos		1		-	2 1	, ,			101	1	10		N.C.S.	1		50	5	1.50	20 20	20	17 1	7 25	100	100	100	85 8	5 63	22	
18F61A0416	10	01	1 01	0 1(	0 10	5	-			Sec.	1000	0.1		4	1		- 0	- 0	0 10	2 0	10	4				-	120	3	5		20 2(	20	18 1	8 26	100	100	100	9 06	0 65	27	
18F61A0417	10	10	10 1	0 1(	0 10		-		m		1			0	-		0 1	0 1	0	2	10	4	5	1000		T		m 0	5	0	20 20	0 20	17 1	7 25	100	100	100	85 8	5 63	37	1
18F61A0418	10	01	10 1	0 1(	0 10			4	S	1		5	2		-	2		- 0	1 0	2 4	10		10	-				8	5 1	0	20 21	0 20	18 1	8 38.	100	100	100	90 5	0 95	46	
18F61A0419	10	10	10 1	1 0	0 10		370	S	5	S						n	× •	2 4	01 2 2	2 9	101		2					-			20 2	0 20	15 1	5 16	100	100	100	75 7	5 40	16	
18F61A0420	10	10	10	0	0 10	0	-			8		-	-				1 0	0 1	101 1	10	0		4					14	5	-	20 2	0 20	17 1	7 25	100	100	100	85 2	5 63	22	~
18F61A0421	10	10	10	1 0	0 10	-	3	-	3	and				0		-	- 1		7 10	0	101		0				2	6			20 2	0 20	17 1	7 17	100	100	100	85 2	5 43	33	-
18F61A0422	10	10	10	1 0	0 10				-			100		-		- 0		. 4	× 10	01 0	10	-							5	S	20 2	0 20	16 1	6 26	100	100	100	80	0 65	22	~
18F61A0423	01	10	10	1 01	0 10	2	-	-						1			0 1	0 4	1 2	10	0		00				e	5	5	00	20 2	0 20	16 1	6 29	100	100	100	80	0 73	24	-
18F61A0424	10	10	10	1 01	0 10		-	-	1.52	1	39.0				4	4		2		10	10	m	00	Berge	No. of		1	2 3	5	0	20 2	0 20	16 1	16 34	100	100	100	80	0 85	25	0
18F61A0425	10	10	10	10 1	0 10	9	331			2		1						0		01 0	10	4	5	3	4			4	5	0	20 2	0 20	18 1	18 26	100	100	100	06	0 6	2.	F
18F61A0426	10	10	10	1 01	0 10					0		4			-	-	0 0	0 0		01 0	10	5	*		11		1	4	5	10	20 2	0 20	18 1	18 37	7 100	100	100	90	6 0	2	2
18F61A0427	10	10	10	10 1	10 10	-	2.20		CL	0	-	1	2	0			• •	o 4	2 4	01 0	10	2	4		-	-	199	1	1.	2	20 2	0 20	16 1	16 20	100	100	100	80	80 5(	T	-
18F61A0428	10	10	10	10 1	10 10	-		-	-	4		Contraction of the	m	0			0 1	, ,	1 0		2. 9	1 "					3	-	5	6	20 2	0 20	17	17 29	001 6	100	100	85	35 7	1	4
18F61A0429	10	10	10	10 1	10 10	-				-	-	1	2000 23			-					2 0	1				5	The second			I	20 2	0 20	19	19 20	0 100	100	100	95	95 5	-	
18F61A0430	10	10	10	1 01	10 10	-			0	1			m				~ ~	7 0			1						4	-	s	00	20 2	0 20	18	18 31	1 100	100	100	90	00 78	5	5
18F61A0431	10	10	10	10 1	10 10	-	201	185		3			m			-	× 1	x 1	0 1			•					5	4	5	01	20 2	0 20	17	17 32	2 100	100	100	85	85 80	3.	
18F61A0432	10	10	10	10 1	10 10	-	5 1		0	5	en	A STORE		5	8		-			01 0	2 9	4				-	1	-		6	20 2	0 20	16	16 18	8 100	100	100	80	80 44	-	-
18F61A0433	10	10	10	101	10 10	_	-	10		-	-		-	5	1		0 1	0 1	0 1	0 10	2 9	-	4		13161		1				20 2	0 20	17	17 17	7 100	1 100	100	85	35 45	29	6
18F61A0434	10	10	10	10	10 16	_		35		-			-	1		-	-	-	-	2	2	-		1								1									

19F65A0411 i0 i0 i0 i0 i0 i0	1 0		0	0	~	7	01 01 7	10 0	0 0	0	0	0 0	1 0	3	20 20 1	1 17 18	100	100 10	00 85	85 4	29
1 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0	Canal Services	0	0	m	m	8 10 10	10	0	0	0		2	20	20 1	13 13	100	100 10	00 65	65 38	21
Total students																	297	297 29	797 797	297 79	104
Students above Target																	000		100		107
CO Assesment (%)																	007	27 227	927 21	CI 987	8 144
CO Attainment I evel									-								52	97 9	7 96	96 53	49
CO Attainmant Statue																	3	3 3	5	3 1	1
Summing of the second s																	Y	AA	F	AA	
				C0 /	uttainmen			-				1					102	02 00	13 00.	U ava	
				40% 01 1	A Attainn	nent													5000		
				Cont etc.	1 1 1 1 L												1.4	1.4 1.	2 1.2	1.2 0.4	-
				C 10 10.00	CC ATTAIN	ment											0.6	0.6 0.0	6 0.6	0.6 0.0	2
				Total Co	) Attains	nent											81	1 6 1 6	0 . 0	1 0 1	
							-												1 10	* 0	0001
					A	ttainme	nt levels	Vs Taroe	14												
Attainment level 1						>50%	6 of stude	ante erar	over pri	than taua	at none	100 1000	113. 100								
Attainment level 2						>60%	6 of stude	ents scor	ino more	than tard	et norcer	tare (60	10 01 UI	phese ma	rk).						
Attainment level 3						>70%	6 of shide	ante ecor	enom bu	a set and	and and an	001-Sm	-13 /0	1	·/~.						
							manie In a.	1010 0111	TAUNT PARTY	A LESS CIPELL	1.0.0.1.001 I.d	1200 12001	10 01 LD	Plact mos	17-						

in,



EOSI							******
tosi							*****
1084							###
2104				2		61	2
1104	2		-		5	5	2
6010		~					2
601							*****
804							www.
404							Annual I
904							****
POS		17	~	6	m	3	2
bOd	-	5	r.	~		ю	2
FO3	m	3	¢i		en	5	m
201	(*)		m	7	m	2	e
10d	er,	m	en		m	3	m
	100	C02	03	C04	SOS	C06	NVG

CO - PO-PSO Attainment

FSO3							*****
PSO2							#####
IOSA							#
101				96		53	75
POIL	16		16	Γ	96	23	86
POIG		16					16
504						Γ	Name.
208					Γ	Γ	*****
204							*****
904							******
505	16	16	26	96	96	53	68
ţ	62	26	16	96		53	88
101	16	26	16		96	53	88
202	26		26	96	96	53	38
POI	26	16	52		96	53	88
-	C01	C02	CO3	C04	COS	C06	AVG

J - Radity

.

Dept. of Electronics & Communication Engg. Siddharth Institute of Engg. & Tech. Narayanavanam Road, Puttur-517 583. HODECE



DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

#### **REMEDIAL CLASSES**

# CIRCULAR

# Academic Year: 2020-2021 Year &Sem: II YEAR II-SEM

Date: 17/05/2021

Remedial classes for II-B.Tech ECE students arranged from 4:00PM to 5:00PM. Hence the students are instructed to attend the classes without fail as per the given schedule.

# LIST OF STUDENTS IDENTIFIED AS SLOWLEARNERS

S.NO	ROLL NO.	STUDENT NAME
1.	19F61A0424	CHAKRI.V
2.	19F61A0459	HEMALATHA.B
3.	19F61A0446	DURGAPRASAD.R
4.	19F61A0451	GUNADEEP.D
5.	19F61A0484	KOTESWARARAO.M
6.	19F61A0486	KRISHNA KUMAR.R
7.	19F61A04A7	MANOJ.H
8.	19F61A04C5	NITHIN.B
9.	19F61A04H3	SHAIK SAMEERUDDIN
10.	19F61A04I2	SIVA SANKAR.J
11.	19F61A04J0	SRINIVASULU.G
12.	19F61A04M7	VENKATA SOMASEKHAR.S





#### SIDDHARTH INSTITUTE OF ENGINEERING & TECHNOLOGY (AUTONOMOUS) (Approved by AICTE, New Delhi& Affiliated to JNTUA, Ananthapuramu) (Accredited by NBA for Civil, EEE, Mech., ECE & CSE Accredited by NAAC with 'A' Grade) Puttur -517583, Chittoor District, A.P. (India) DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

#### REMEDIAL CLASSES

#### CIRCULAR

#### Academic Year: 2020-2021

Date: 17/05/2021

Remedial classes for II B.Tech ECE students are arranged from 04:00PM to 05:00 PM on the following subjects. Hence the students are instructed to attend the classes without fail as per the given schedule.

NAME OF THE SUBJECT	NAME OF THE FACULTY	DATE	Signature of staff
Electronic Circuit	VR.Chandini	19/05/2021	a.t
Analysis	5	20/05/2021	Court
Analog	Dr R PremKumar	21/05/2021	8 f
Communications	Diritir tomittumu	22/05/2021	0
Linear & Digital IC	I Thomai	24/05/2021	I. Thound
Applications	J.Jnansi	25/05/2021	0.0
Electromagnetic	K D Mohan Sundaram	26/05/2021	QA
Transmission	K.D.Wohan Suidarahi	27/05/2021	RA



COPY TO NOTICE BOARD COPY TO CLASS TEACHER COPY TO II YEAR CLASS ROOMS



(AUTONOMOUS) (Approved by AICTE, New Delhi& Affiliated to JNTUA, Ananthapuramu) (Accredited by NBA for Civil, EEE, Mech., ECE & CSE Accredited by NAAC with 'A' Grade) Puttur -517583, Chittoor District, A.P. (India)

# DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING ELECTROMAGNETIC THEORY AND TRANSMISSION LINES

#### REMEDIAL CLASSES ATTENDANCE SHEET

### Academic Year: 2020-2021

#### Date: 26/5/2021 to 27/5/2021

S.NO	ROLL NO.	STUDENT NAME	DAY1 STUDENT	DAY2 STUDENT
1.	19F61A0424	CHAKRI.V	1	~
2.	19F61A0446	DURGAPRASAD.R	1	1
3.	19F61A0451	GUNADEEP.D	~	√
4.	19F61A0484	KOTESWARARAO.M	~	V
5.	19F61A04A7	MANOJ.H	1	1
6.	19F61A04C5	NITHIN.B	~	1
7.	19F61A04H3	SHAIK SAMEERUDDIN	1	1
8.	19F61A04I2	SIVA SANKAR.J	1	1
9.	19F61A04J0	SRINIVASULU.G	1	~
10.	19F61A04M7	VENKATA SOMASEKHAR.S	~	~

#### **TOPICS COVERED:**

DAY-1

1) Faraday's Law & Displacement Current

2) Wave Propagation

#### DAY-2

1) Pointing theorem

2) Transmission Line equation

Signature of Faculty



(AUTONOMOUS) (Approved by AICTE, New Delhi& Affiliated to JNTUA, Ananthapuramu) (Accredited by NBA for Civil, EEE, Mech., ECE & CSE Accredited by NAAC with 'A' Grade) Puttur -517583, Chittoor District, A.P. (India)

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

#### ELECTROMAGNETIC THEORY AND TRANSMISSION LINES TUTORIAL PROBLEMS FOR SLOW LEARNERS

# 1. In free space, $E=20 \cos(\omega t-50x)ay V/m$ . Calculate $J_d$ , H.

Given 
$$\vec{E} = 20 \cos (\omega t - 50\pi) \vec{ay}$$
  
 $\vec{G}$   
 $\vec{H} = \frac{\partial \vec{D}}{\partial t} = \frac{\partial}{\partial t} (\epsilon_0 \vec{E}) \quad [\vec{D} = \epsilon_0 \vec{E}]$   
 $= \epsilon_0 \frac{\partial}{\partial t} \left[ \frac{\partial Q}{\partial t} \cos (\omega t - 50\pi) \vec{ay} \right]$   
 $= 20 \cdot \epsilon_0 \cdot -\delta in(\varepsilon t - 50\pi) \cdot (0 \cdot \vec{ay})$   
 $\vec{H} = -20 \cos \epsilon_0 \delta in (\omega t - 50\pi) \cdot \vec{ay} + 1)m^{2}$   
 $\vec{H} = -20 \cos \epsilon_0 \delta in (\omega t - 50\pi) \cdot \vec{ay} + 1)m^{2}$   
 $\vec{H} = -20 \cos \epsilon_0 \delta in (\omega t - 50\pi) \cdot \vec{ay} + 1)m^{2}$   
 $\vec{H} = -20 \cos \epsilon_0 \delta in (\omega t - 50\pi) \cdot \vec{ay} + 1)m^{2}$   
 $\vec{H} = -20 \cos \epsilon_0 \delta in (\omega t - 50\pi) \cdot \vec{ay} + 1)m^{2}$   
 $\vec{H} = -20 \cos \epsilon_0 \delta in (\omega t - 50\pi) \cdot \vec{ay} + 1)m^{2}$   
 $\vec{H} = -20 \cos \epsilon_0 \delta in (\omega t - 50\pi) \cdot \vec{ay} + 1)m^{2}$   
 $\vec{H} = -20 \cos \epsilon_0 \delta in (\omega t - 50\pi) \cdot \vec{ay} + 1)m^{2}$   
 $\vec{H} = -20 \cos \epsilon_0 \delta in (\omega t - 50\pi) \cdot \vec{ay} + 1)m^{2}$   
 $\vec{H} = -20 \cos \epsilon_0 \delta in (\omega t - 50\pi) \cdot \vec{ay} + 1)m^{2}$   
 $\vec{H} = -20 \cos \epsilon_0 \delta in (\omega t - 50\pi) \cdot \vec{ay} + 1)m^{2}$   
 $\vec{H} = -20 \cos \epsilon_0 \delta in (\omega t - 50\pi) \cdot \vec{ay} + 1)m^{2}$   
 $\vec{H} = -20 \cos \epsilon_0 \delta in (\omega t - 50\pi) \cdot \vec{ay} + (\frac{2}{2}m^2 - \frac{2}{2}m^2) \cdot \vec{ay} + (\frac{2}$ 

along 
$$ay'$$
  
 $-\frac{\partial Hz}{\partial x} ay' = -20080 Sim(10t - 50x) ay'$   
 $\frac{\partial Hz}{\partial x} = 200080 Sim(10t - 50x)$ ,  
 $Hz = \int 20080 Sim(10t - 50x) dx \cdot az$   
 $= -\frac{200980}{-50} \cos(10t - 50x) dx \cdot az$   
 $= -50$   $\cos(10t - 50x) - az$ 



(AUTONOMOUS)

(Approved by AICTE, New Delhi& Affiliated to JNTUA, Ananthapuramu) (Accredited by NBA for Civil, EEE, Mech., ECE & CSE

Accredited by NAAC with 'A' Grade)

Puttur -517583, Chittoor District, A.P. (India)

2. In free space (z  $\leq 0$ ), a plane wave with H = 10 cos (10<sup>8</sup>t -  $\beta z$ )  $a_x$  mA/m is incident normally on a

lossless medium ( $\epsilon=2\epsilon_0,\mu=8\mu_0$ ) in region z > 0. Determine the reflected wave and the transmitted wave.

For Freedface  

$$\beta_{1} = \frac{W}{c} = \frac{10^{8}}{3 \times 10^{8}} = \frac{1}{3}$$
For lawless  $\beta_{2} = w\sqrt{He} = w\sqrt{He}co\sqrt{Hres} = \frac{w}{c}\sqrt{16}$ 

$$= \frac{1}{c}\sqrt{4}$$

$$\beta_{2} = \beta_{1}^{H} = \frac{1}{3}$$

$$\gamma_{2} = \sqrt{\frac{H}{e}} = \sqrt{\frac{Hv}{co}}\sqrt{\frac{Hr}{c}} = 2\Lambda c$$

$$H_{9} = 10, Cas(10^{9}t - \beta, 2)az \text{ molm},$$
Ne cun supect  $\beta_{1} = \beta_{10} cas(10^{8}t - \beta, 2)az$ 

$$G_{1} = \frac{1}{3} \times a_{10} = az \times az = -ay$$

$$S_{0} = \eta_{110}^{H} = \frac{1}{3} + \frac{1}{24\sigma^{1}} + \frac{1}{24\sigma^{1}} = \frac{2\Lambda e^{-\Lambda c}}{16\sigma^{1}} = \frac{1}{3}$$

$$E_{10} = \frac{1}{3} - \frac{1}{3} + \frac{1}{3} + \frac{1}{24\sigma^{1}} + \frac{1}{3} = 2\Lambda e^{-\Lambda c}$$

$$E_{10} = \frac{1}{3} - \frac{5}{3} = \frac{1}{3} - \frac{5}{3} = \frac{1}{3} - \frac{1}{3} + \frac{1}{3} - \frac{1}{3} = \frac{1}{3} + \frac{1}{3} - \frac{1}{3} + \frac{1}{3} = \frac{1}{3} - \frac{1}{3} + \frac{1}{3} - \frac{1}{3} + \frac{1}{3} + \frac{1}{3} - \frac{1}{3} + \frac{1}{3} + \frac{1}{3} - \frac{1}{3} + \frac{1}{3} + \frac{1}{3} + \frac{1}{3} - \frac{1}{3} + \frac{1}{$$

(AUTONOMOUS) (Approved by AICTE, New Delhi& Affiliated to JNTUA, Ananthapuramu) (Accredited by NBA for Civil, EEE, Mech., ECE & CSE Accredited by NAAC with 'A' Grade)

Puttur -517583, Chittoor District, A.P. (India)  

$$H_{r} = -\frac{10}{3} \cos\left(10^{8}t + \frac{1}{3}\pi\right) a_{\pi}$$

$$\int_{0}^{0} = \frac{Ear_{0}}{H_{r_{0}}} = -\frac{10}{3} \int_{0}^{1} \frac{1}{3} \int_{0}^{1} \frac{1}{H_{r_{0}}}$$

$$\left( \frac{1}{1} + H_{r_{0}} = -\frac{10}{3} \int_{0}^{1} \frac{1}{3} \int_{0}^{1} \frac{1}{3}$$

3. A distortion less line has  $Z_0=60 \Omega$  Attenuation constant = 20 mNp/m and u=0.6c (c is velocity of light) Find the primary parameters of the transmission line(R L C G and  $\lambda$ ) at 100MHz.

A distortionless line has 
$$RC = GL$$
 or  $G = \frac{RC}{L}$ ,  $u = \frac{\omega}{\beta} = \frac{1}{\sqrt{LC}}$   
 $Z_0 = \sqrt{\frac{L}{C}}$ ,  $\alpha = \sqrt{RG} = R\sqrt{\frac{C}{L}} = \frac{R}{Z_0}$   
 $\rightarrow R = \alpha Z_0 = (20 \times 10^{-3})(60) = 1.2 \ \Omega/m$   
Since  $\alpha = \sqrt{RG} \rightarrow G = \frac{\alpha^2}{R} = \frac{400 \times 10^{-6}}{1.2} = 333 \ \mu\text{S/m}$   
Dividing  $Z_0 = \sqrt{\frac{L}{C}}$  by  $u = \frac{\omega}{\beta} = \frac{1}{\sqrt{LC}}$  gives  
 $L = \frac{Z_0}{u} = \frac{60}{0.6(3 \times 10^8)} = 333 \ \text{nH/m}$ 



(AUTONOMOUS)

(Approved by AICTE, New Delhi& Affiliated to JNTUA, Ananthapuramu) (Accredited by NBA for Civil, EEE, Mech., ECE & CSE Accredited by NAAC with 'A' Grade) Puttur -517583, Chittoor District, A.P. (India)

Multiplying 
$$Z_0 = \sqrt{\frac{L}{C}}$$
 by  $u = \frac{\omega}{\beta} = \frac{1}{\sqrt{LC}}$  gives  
 $uZ_0 = \frac{1}{C} \to C = \frac{1}{uZ_0} = \frac{1}{0.6(3 \times 10^8)60} = 92.59 \text{ pF/m}$   
 $\lambda = \frac{u}{f} = \frac{0.6(3 \times 10^8)}{10^8} = 1.8 \text{ m}$ 



(AUTONOMOUS) (Approved by AICTE, New Delhi& Affiliated to JNTUA, Ananthapuramu) (Accredited by NBA for Civil, EEE, Mech., ECE & CSE Accredited by NAAC with 'A' Grade) Puttur -517583, Chittoor District, A.P. (India)

# **DEPARTMENT OF MBA**

#### **REMEDIAL CLASSES**

### **CIRCULAR**

Academic Year: 2019-2020 Year &Sem: II YEAR II-SEM

Date: 06/02/2020

Remedial classes for II MBA students (who scored below 20 marks in midterm examination) arranged from 4:00PM to 5:00PM. Hence the students are instructed to attend the classes without fail as per the given schedule.

# LIST OF STUDENTS IDENTIFIED AS SLOWLEARNERS

S.No.	Roll No.	Name of the Student	
1	18F61E0019	GAYATHRI CHOWDARY, T	
2	18F61E0038	KEERTHI.C	

HEAD De ortmont Of Management Studies Sidooarth Institute Of Engg. & Tean Naroyanavaram Road, PUTTUR-517583



(AUTONOMOUS) (Approved by AICTE, New Delhi& Affiliated to JNTUA, Ananthapuramu) (Accredited by NBA for Civil, EEE, Mech., ECE & CSE Accredited by NAAC with 'A' Grade) Puttur -517583, Chittoor District, A.P. (India)

# **DEPARTMENT OF MBA**

### **II MBA IISEM GLOBAL HUMAN RESOURCE MANAGEMENT**

# REMEDIAL CLASSES ATTENDANCE SHEET

# Academic Year: 2019-2020

### Date: 06/02/2020to 07/02/2020

S.NO	ROLL NO.	STUDENT NAME	DAY1 STUDENT	DAY2 STUDENT
1.	18F61E0019	GAYATHRI CHOWDARY.T	Cayabrian	Epijefrande
2.	18F61E0038	KEERTHI.C	Karlic	Kettic

# **TOPICS COVERED:**

DAY-1

1) Global issues and challenges-Differences between Domestic HRM and GHRM.

2) Cultural Research Methodologies

3) Recruitment and Selection for International Assignment-

4) Trade Unions- Collective Negotiations- Disputes/Conflicts-Quality Circles

# DAY-2

1) Performance management and HR process

2) Repatriation-Designing Compensation Programme- Approaches to International Compensation-Differentiating PCN'S and TCN'S.

.

Signature of Faculty



(AUTONOMOUS) (Approved by AICTE, New Delhi& Affiliated to JNTUA, Ananthapuramu) (Accredited by NBA for Civil, EEE, Mech., ECE & CSE Accredited by NAAC with 'A' Grade) Puttur -517583, Chittoor District, A.P. (India)

# DEPARTMENT OF MBA REMEDIAL CLASSES II MBA IISEM GLOBAL HUMAN RESOURCE MANAGEMENT

# 1. Cross Cultural Differences – Cross – Cultural Research Methodologies – Hofstede's Hermes Study- Managerial Implications- Cultural Issues.

# Sol: Cross cultural issues in global hrm

A set of ideas, concepts or notions, especially values are shared by the members of a culture.

This set of ideas is transferred from one generation to another through symbols.

Culture exists from the past actions of members of a group. ...

Culture moulds behavior and changes one's perception of the world.

# 2. Repatriation-Designing, -

Sol: Managerial competence: technical skills, leadership skills, knowledge specific to the company operations.

Training: The candidate either has or is willing to be trained on the language and culture of the host country.

Adaptability: The ability to deal with new, uncomfortable, or unfamiliar situations and the ability to adjust to the culture in which the candidate will be assigned.

# 3. Programmes and Agencies - Evaluation of Global HRM Practices

Sol: As the organisations continue to grow globally at a rapid pace, nations are increasingly permeable to the international exchange of knowledge, capital, goods and services, giving rise to more complexities and uncertainties (Brewster, Houldsworth, Sparrow, & Vernon, 2011). Intensified rate of globalisation is evident from the changing trends in foreign direct investment which is increasingly indicating a shift toward developing economies like China and India (Dicken, 2007). Growing internationalisation is breaking down organisational and geographical boundaries with business processes and structures undergoing complete transformation (Harris, Brewster, & Sparrow, 2003).



(AUTONOMOUS) (Approved by AICTE, New Delhi& Affiliated to JNTUA, Ananthapuramu) (Accredited by NBA for Civil, EEE, Mech., ECE & CSE) (Accredited by NAAC with 'A' Grade) Puttur -517583, Chittoor District, A.P. (India)

# DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

### REMEDIAL CLASSES

# **CIRCULAR**

Academic Year: 2020-2021 Year &Sem:II YEAR I-SEM Date: 14/12/2020

Remedial classes for II-B.Tech CSE students (who scored below 20 marks in midterm examination) arranged from 4:00PM to 5:00PM. Hence the students are instructed to attend the classes without fail as per the given schedule.

LIST OF STUDENTS IDENTIFIED AS SLOW LEARNI	LIST	OF S	STUDENT	<b>SIDENTIFIED</b>	AS SLOW	LEARNEF	S
--	------	------	---------	--------------------	---------	---------	---

S.No.	Roll No.	Name of the Student
1	19F61A0531	DILEEP.P M
2	19F61A0536	GANESH.M
3	19F61A0557	JAYAKIRAN.K
4	19F61A0563	KARTHIK.K
5	19F61A0568	KISHORE.K
6	19F61A0569	KONDAIAH.K
7	19F61A0577	MADHUSUDHAN.P
8	19F61A0581	MOHAMMED ZAAMIN K
9	9 19F61A0582 MOHAN SALJ N	
10 19F61A0589 NANDEESWAR		NANDEESWARUDU.P
11	19F61A05A8	PUNEETH VARMA.P
12	19F61A05B4	REVANTH.V





(Approved by AICTE, New Delhi& Affiliated to JNTUA, Ananthapuramu) (Accredited by NBA for Civil, EEE, Mech., ECE & CSE) (Accredited by NAAC with 'A' Grade) Puttur -517583, Chittoor District, A.P. (India)

13	19F61A05B5	SAI DILEEP KUMAR.P
14	19F61A05B6	SAI KRISHNA REDDY.O
15	19F61A05B8	SAI PRAKASH.K
16	19F61A05C1	SAIKUMAR.V
17	19F61A05C3	SAMJEESH.D
18	19F61A05C7	SHAIK AHAMMAD
19	19F61A05C9	SHAIK MAHAMMED
20	19F61A05D0	SALAUDDIN SHAIK MOHAMMED
21	19F61A05H0	YASWANTH RAGHAVA
22	20F65A0506	VIGNESH.P T YUGANDHAR.K
23	16F61A05F6	N THULASI KUMAR

HEAD OF THE DEPARTMENT Department of Computer Science & Enge. Siddharth Institute of Engg. & Technology PUTTUR-517 583. SIDDHARTH INSTITUTE OF ENGINEERING & TECHNOLOGY (AUTONOMOUS)

(Approved by AICTE, New Delhi& Affiliated to JNTUA, Ananthapuramu) (Accredited by NBA for Civil, EEE, Mech., ECE & CSE) (Accredited by NAAC with 'A' Grade) Puttur -517583, Chittoor District, A.P. (India) **DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING** 

# **REMEDIAL CLASSES**

# **CIRCULAR**

Academic Year:2020-2021

Date: 14/12/2020

Remedial classes for II B.Tech CSE students are arranged from 04:00PM to 05:00 PM on the following subjects. Hence the students are instructed to attend the classes without fail as per the given schedule.

NAME OF THE SUBJECT	NAME OF THE FACULTY	DATE	Signature of staff
C AND DATA STRUCTURES	S.MANASA	14/12/2020&15/12/2020	S. Mamasa
COMPUTER ORGANIZATION & ARCHITECTURE	NAGARAJU PACHARLA	16/12/2020&17/12/2020	Here
DATABASE MANAGEMENT SYSTEMS	B.ASHOK	18/12/2020&19/12/2020	B. Ashok

COPY TO NOTICE BOARD COPY TO CLASS TEACHER COPY TO II YEAR CLASS ROOMS

HEAD OF THE DEPARTMENT Department of Computer Science & Engr Siddharth Institute of Engg. & Technolo. PUTTUP.517 583.



(AUTONOMOUS) (Approved by AICTE, New Delhi& Affiliated to JNTUA, Ananthapuramu) (Accredited by NBA for Civil, EEE, Mech., ECE & CSE) (Accredited by NAAC with 'A' Grade) Puttur -517583, Chittoor District, A.P. (India)

### DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

### II B.TECH I SEMESTER <u>C AND DATA STRUCTURES</u> <u>REMEDIAL CLASSES ATTENDANCE SHEET</u>

Academic Year: 2020-2021

Date: 14/12/2020&15/12/2020

S.NO	ROLL NO.	STUDENT NAME	DAY1 STUDENT	DAY2 STUDENT
1	19F61A0536	M.GANESH	Р	Р
2	19F61A0569	K.KONDAIAH	Р	Р
3	19F61A0581	MOHAMMED ZAAMIN K	Р	Р
4	19F61A0582	JN MOHANSAI	Р	Р
5	19F61A05B4	V.REVANTH	Α	Р
6	19F61A05B6	O.SAI KRISHNA REDDY	Р	Р
7	19F61A05C1	VUNGARALA SAIKUMAR	Р	A
8	19F61A05C3	DASARI SAMJEESH	Р	Р
9	19F61A05C7	SHAIK AHAMMAD	Р	Р
10	20F65A0506	K YUGANDHAR	Р	Р
.1	16F61A05F6	TULASI KUMAR	Р	Р

# **TOPICS COVERED:**

# DAY-1

1) Functions

2) Library Functions

3) Communications among Functions

### DAY-2

Strings
 String Library Functions
 Pointers and Strings

Signature of Faculty

(AUTONOMOUS) (Approved by AICTE, New Delhi& Affiliated to JNTUA, Ananthapuramu) (Accredited by NBA for Civil, EEE, Mech., ECE & CSE) (Accredited by NAAC with 'A' Grade) Puttur -517583, Chittoor District, A.P. (India) **DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING** 

### II B.TECH I SEMESTER COMPUTER ORGANIZATION AND ARCHITECTURE <u>REMEDIAL CLASSES ATTENDANCE SHEET</u>

Academic Year: 2020-2021

Date: 16/12/2020&17/12/2020

S.NO	ROLL NO.	STUDENT NAME	DAY1 STUDENT	DAY2 STUDENT
1	19F61A0536	M.GANESH	Р	Р
2	19F61A0557	K.JAYAKIRAN	Р	Р
3	19F61A0563	KARTHIK.K	Р	Р
4	19F61A0569	K.KONDAIAH	A	Р
5	19F61A0581	MOHAMMED ZAAMIN K	Р	Р
6	19F61A0582	JN MOHANSAI	Р	Р
7	19F61A0589	P NANDEESWARUDU	Р	Р
8	19F61A05B4	V.REVANTH	Р	P
)	19F61A05B5	POOLA SAI DILEEP KUMAR	Α	Р
0	19F61A05B6	O.SAI KRISHNA REDDY	Р	Р
1	19F61A05C1	VUNGARALA SAIKUMAR	Р	Р
2	19F61A05C3	DASARI SAMJEESH	Р	Р
3	19F61A05C7	SHAIK AHAMMAD	Р	A
4	19F61A05D0	SHAIK MOHAMMED FAKRUDDIN	Р	Р
5	20F65A0506	K YUGANDHAR	Р	Р



(AUTONOMOUS) (Approved by AICTE, New Delhi& Affiliated to JNTUA, Ananthapuramu) (Accredited by NBA for Civil, EEE, Mech., ECE & CSE Accredited by NAAC with 'A' Grade) Puttur -517583, Chittoor District, A.P. (India) DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

#### REMEDIAL CLASSES

### TUTORIAL PROBLEMS FOR SLOW LEARNERS

# Name of the Subject: C and Data Structures

### 1. Explain about various categories of functions with examples

Sol: There can be 4 different types of user-defined functions, they are:

- 1. Function with no arguments and no return value
- 2. Function with no arguments and a return value
- 3. Function with arguments and no return value
- 4. Function with arguments and a return value

Below, we will discuss about all these types, along with program examples.

Function with no arguments and no return value

Such functions can either be used to display information or they are completely dependent on user inputs.

Below is an example of a function, which takes 2 numbers as input from user, and display which is the greater number.

#include<stdio.h>

void greatNum(); // function declaration

```
int main()
{
                    // function call
  greatNum();
  return 0;
}
```

ł

void greatNum() // function definition int i, j;

```
SIDDHARTH INSTITUTE OF ENGINEERING & TECHNOLOGY
                                               (AUTONOMOUS)
                       (Approved by AICTE, New Delhi& Affiliated to JNTUA, Ananthapuramu)
                               (Accredited by NBA for Civil, EEE, Mech., ECE & CSE
                                      Accredited by NAAC with 'A' Grade)
                                 Puttur -517583, Chittoor District, A.P. (India)
     printf("Enter 2 numbers that you want to compare ... ");
     scanf("%d%d", &i, &j);
     if(i > j) 
        printf("The greater number is: %d", i);
     }
     else {
       printf("The greater number is: %d", j);
     }
  }
  Function with no arguments and a return value
  We have modified the above example to make the function greatNum() return the number which is
 greater amongst the 2 input numbers.
 #include<stdio.h>
 int greatNum();
                    // function declaration
 int main()
 {
   int result:
  result = greatNum();
                           // function call
  printf("The greater number is: %d", result);
  return 0:
}
int greatNum()
                 // function definition
S
  int i, j, greaterNum;
 printf("Enter 2 numbers that you want to compare ... ");
```



(AUTONOMOUS) (Approved by AICTE, New Delhi& Affiliated to JNTUA, Ananthapuramu) (Accredited by NBA for Civil, EEE, Mech., ECE & CSE Accredited by NAAC with 'A' Grade) Puttur -517583, Chittoor District, A.P. (India)

```
scanf("%d%d", &i, &j);
```

```
if(i > j) \{
```

```
greaterNum = i;
```

```
}
else {
```

```
greaterNum = j;
```

```
}
```

```
// returning the result
```

return greaterNum;

# }

Function with arguments and no return value

We are using the same function as example again and again, to demonstrate that to solve a problem there can be many different ways.

This time, we have modified the above example to make the function greatNum() take two int values as arguments, but it will not be returning anything. #include<stdio.h>

void greatNum(int a, int b); // function declaration

```
int main()
```

```
{
    int i, j;
    printf("Enter 2 numbers that you want to compare...");
    scanf("%d%d", &i, &j);
    greatNum(i, j); // function call
    return 0;
```

#### }



(AUTONOMOUS) (Approved by AICTE, New Delhi& Affiliated to JNTUA, Ananthapuramu) (Accredited by NBA for Civil, EEF, Mech., ECE & CSE Accredited by NAAC with A' Grade) Puttur -517583. Chittoor District, A.P. (India)

# DEPARTMENT OF COMPUTER SCIENCE AND INFORMATION TECHNOLOGY

# **REMEDIAL CLASSES**

### **CIRCULAR**

# Academic Year: 2020-2021 Year & Sem:II YEAR II-SEM

#### Date: 09/01/2021

Remedial classes for II-B.Tech CSIT students (who scored below 20 marks in midterm examination) arranged from 4:00PM to 5:00PM. Hence the students are instructed to attend the classes without fail as per the given schedule.

# LIST OF STUDENTS IDENTIFIED AS SLOWLEARNERS

S.No.	Roll No.	Name of the Student
1.	19F61A0602	
2.	19F61A0604	DHANUSH KUMAD/S
3.	19F61A0605	FIZUNNISHA K
4.	19F61A0607	GOPI VIVEK B
5.	19F61A0608	GOVARDHAN K
6	19F61A0609	HIMA BINDU
7	19F61A0612	LAKSHMI NARAYANA.P
8	19F61A0620	MOUNIKA.K
9	19F61A0622	NAVEEN REDDY.D
10	19F61A0624	NISHITHA.K

HOD

Beet of Computer Sector States Technology SIDCHARTHINGTON C. C. States and ACCHIOLOGY Siddharth Nagar, Naray Gavanam Road, FUTTUR, Chillogi DJ. (A.P.)-517583.



(AUTONOMOUS) (Approved by AICTE, New Delhi& Affiliated to JNTUA. Ananthapuramu) (Accredited by NBA for Civil. EEE. Mech., ECF & CSE Accredited by NAAC with 'A' Grade) Puttur -517583, Chittoor District, A.P. (India) DEPARTMENT OF COMPUTER SCIENCE AND INFORMATION TECHNOLOGY

# **REMEDIAL CLASSES**

# CIRCULAR

Academic Year:2020-2021

Date:09/01/2021

Remedial classes for II B.Tech CSIT students are arranged from 04:00PM to 05:00 PM on the following subjects. Hence the students are instructed to attend the classes without fail as per the given schedule.

NAME OF THE SUBJECT	NAME OF THE FACULTY	DATE	Signature of staff
MANAGEMENT SCIENCE (19HS0813)	M.JAYA LAKSHMI		Mister
DATABASE			
MANAGEMENT	D.VISWASAHITHYA	22-01-218	
SYSTEM(19CS0506)		23.01.21	400
COMPUTER			0
ORGANIZATION AND	G.VENKATESH	1999 (1997) - Albert	Martent
ARCHITECTURE(19CS0504)		18.01.21	600
INDIAN CONSTITUTION	DHASSAN	1	OIL
(19HSO816)		**	Attan_
C AND DATA	MBHANILDDAKASH		0 1
STRUCTURES(10CS0505)	IVI. BITANO FRAKASH	09.01.21	NO 2
MICROPROCESSOR AND	D MUNIEEDD A		
MICRO CONTROLLER	D.MUNEEDKA	· ·	Det

HOD

Stern and Science & Information Tachening SIDDHARTH INSTITUTE OF ENGINEERING & TECHNOLOGY Siddharth Nagar, Nerayanayanam Road. Siddharth Nagar, Nerayanayanam Road.



(AUTONOMOUS)

(Approved by AICTE, New Delhi& Affiliated to JNTUA. Ananthapuramu) (Accredited by NBA for Civil, EEE, Mech., ECE & CSE Accredited by NAA( with 'A' Grade) Puttur -517583, Chittoor District, A.P. (India)

# DEPARTMENT OF COMPUTER SCIENCE AND INFORMATION TECHNOLOGY

#### **II B.TECH II SEMESTER**

DATABASE MANAGEMENT SYSTEM(19CS0506) **REMEDIAL CLASSES ATTENDANCE SHEET** 

# Academic Year: 2020-2021

### Date: 22/01/2021&23/01/2021

S.NO	ROLL NO.	STUDENT NAME	DAY1 STUDENT	DAY2 STUDENT
1.	19F61A0602	AKHILA.K	P	P.
2.	19F61A0604	DHANUSH KUMAR/S	P	P
3.	19F61A0605	FIZUNNISHA,K	p	P
4.	19F61A0607	GOPI VIVEK.B	<i>T</i>	
5.	19F61A0608	GOVARDHAN.K	p	p

**TOPICS COVERED:** DAY-1

- Introduction to DBMS 1) 2)
- 3)

Date Models Date Models Date base languages Date base languages 4)

DAY-2 Ageresa netim oftim & Poling mali Signature of Faculty



(AUTONOMOUS) (Approved by AICTE, New Delhi& Affiliated to JNTUA. Ananthapuramu) (Accredited by NBA for Civil, EEE, Mech., ECE & CSE Accredited by NAAC with 'A' Grade) Puttur -517583, Chittoor District, A.P. (India)

#### DEPARTMENT OF COMPUTER SCIENCE AND INFORMATION TECHNOLOGY

#### REMEDIAL CLASSES

#### TUTORIAL PROBLEMS FOR SLOW LEARNERS

#### 1. How many different outcomes are possible from tossing 12 dice?

**Sol:**Assume the die has 6 sides When it's tossed, the outcome is either 1, 2, 3, 4, 5 or 6, *meaning it has 6 possible outcomes when tossed once.* 

When tossed the second time, it gives 6 possible outcomes alongside any of the first [Probability 1st and Probability 2nd]

[1&1 or 1&2 or 1&3 or 1&4 or 1&5 or 1&6 or 2&1 or 2&2 ... counting down to 6&5 or 6&6] which gives 36 possible outcomes after 2 tosses.

It can be deduced from the tosses above that

A toss gives  $6^1 = 6$  outcomes

2 tosses give  $6^2 = 36$  outcomes

So 12 tosses will give 612 possible outcomes.(2176782336 outcomes).

[Number of sides]^[Number of tosses] = Number of possible outcomes.

#### 2.What are the advantages of adjacency matrix representation?

Sol: The advantage of the adjacency matrix is that it is simple, and for small graphs it is easy to see which nodes are connected to other nodes. However, notice that most of the cells in the matrix are empty.

# ۲

#### 3.Explain About Setup Time And Hold Time, What Will Happen If There Is Setup Time And Hold Tine Violation,

#### How To Overcome This?

Sol: Set up time is the amount of time before the clock edge that the input signal needs to be stable to guarantee it is accepted properly on the clock edge.

Hold time is the amount of time after the clock edge that same input signal has to be held before changing it to make sure it is sensed properly at the clock edge.

Whenever there are setup and hold time violations in any flipflop, it enters a state where its output is unpredictable: this state is known as metastable state (quasi stable state);at the end of metastable state, the flipflop settles down to either '1' or '0'. This whole process is known as metastability.