

ANNUAL CURRICULAR					PLAN (Year)								
NAME OF THE LECTURER: K. Jyothsna					CLASS: <u>IMEE</u>			Semester: <u>I</u>		Paper: <u>I</u> <i>Circuit Theory and Electronic Devices</i>			
MONTH	WEEK	HOURS AVAILABLE	SYLLABUS/TOPIC	Additional Input/Value Addition Provided/ Taught	CURRICULAR ACTIVITY				CO-CURRICULAR ACTIVITY				
					Activity Conducted	Hours Allotted	Whether Conducted	If not Alternate Date	Activity Conducted	Hours Allotted	Whether Conducted	If not Alternate Date	
NOV	2	4	Introduction Definition of current and voltage	Atoms, Electron Electric field	-	-	-	-	-	-	-	-	
	3	5	Definition of voltage, the	Resistor capacitor	will be shown model and explained	1	Yes	-	-	-	-	-	
			sine wave, general format of sine	square wave triangular	-	-	-	-	-	-	-	-	
			wave for voltage or current	-	-	-	-	-	-	-	-	-	
	4	5	Phase relations Average value	-	-	-	-	-	-	-	-	-	
Dec	1	2	RMS value Phase relation	-	-	1	-	-	Student seminar	1	Yes	-	
	2	5	R, L, C circuit analysis	-	-	-	-	-	-	-	-	-	
			loop Method, Nodal Method	Kirchoff's laws	-	-	-	-	-	-	-	-	
Dec	3	5	superposition theory, Thevenin Theorem	-	-	-	-	-	-	-	-	-	

Signature of the Lecturer
K. Jyothsna

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J. Reddy

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SIR C.R.REDDY COLLEGE FOR WOMEN, ELURU
CURRICULUM LECTURER WISE 2019-2020

ANNUAL CURRICULAR					PLAN (Year)									
NAME OF THE LECTURER: K. Jyothsna					CLASS: TNECS			Semester: T		Paper: T			circuit theory and electronics devices	
MONTH	WEEK	HOURS AVAILABLE	SYLLABUS/ TOPIC	Additional Input/Value Addition Provided/ Taught	CURRICULAR ACTIVITY				CO-CURRICULAR ACTIVITY					
					Activity Conducted	Hours Allotted	Whether Conducted	If not Alternate Date	Activity Conducted	Hours Allotted	Whether Conducted	If not Alternate Date		
Dec	4	4	Norton's Theorem Maximum Power	-	-	-	-	-	-	-	-	-	-	
	5	4	Millman and Reciprocity Theorem	-	-	-	-	-	-	student seminar	1	Yes	-	
Jan	1	5	Frequency response of RC and RL circuit	Time constant steady state response	will be shown PPTs	1	Yes	-	-	-	-	-	-	
	2	5	RL circuit	-	-	-	-	-	-	-	-	-	-	
	3	2	Passive differential circuit	-	-	-	-	-	-	-	-	-	-	
	4	5	Integrating circuit	-	-	-	-	-	-	GROUP DISCUSSION	1	Yes	-	
Feb	1	1	Series and parallel Resonance	-	will be shown PPTs	1	Yes	-	-	-	-	-	-	
	2	4	Circuits and network problems	-	-	-	-	-	-	-	-	-	-	
	3	5	BJT construction working characteristics	Semiconductor PN junction diode	will be shown youtube video	1	Yes	-	-	-	-	-	-	

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SIR C.R.REDDY COLLEGE FOR WOMEN, ELURU
CURRICULUM LECTURER WISE 2019 - 2020

ANNUAL CURRICULAR					PLAN (Year)								
NAMR OF THE LECTURER					CLASS :	Semester :	Paper :						
K-Jyothsna					T.H.E.S	T	I circuit theory and electronics Devly						
MONTH	WEEK	HOURS AVAILABLE	SYLLABUS/ TOPIC	Additional Input/Value Addition Provided/ Taught	CURRICULAR ACTIVITY				CO-CURRICULAR ACTIVITY				
					Activity Conducted	Hours Allotted	Whether Conducted	If not Alternate Date	Activity Conducted	Hours Allotted	Whether Conducted	If not Alternate Date	
Feb	4	4	FET construction working and V-I characteristics	-	-	-	-	-	-	-	-	-	-
March	1	3	MOSFET construction working and V-I characteristic	Transistor as a switch	-	1	Yes	-	debate	1	Yes	-	-
	2	4	Advantage of FET over BJT Half wave rectifier	-	-	-	-	-	-	-	-	-	-
	3	5	Full wave Rectifier Bridge wave rectifier L-section, T section	-	-	-	-	-	-	-	-	-	-
	4	3	IC voltage regulator 78XX, 79XX, LED	Photo Electric Effect	will be shown metal and explained	1	Yes	-	-	-	-	-	-
	5	5	Photodiode & problems	-	-	-	-	-	quiz	1	Yes	-	-

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CURRICULUM LECTURER WISE 2022-2023

ANNUAL CURRICULAR					PLAN (Year)									
NAMR OF THE LECTURER Y. SRIDEVI					CLASS : II MEC				Semester : II		Paper : III Analog Circuits & Communication Electronics			
MONTH	WEEK	HOURS AVAILABLE	SYLLABUS/ TOPIC	Additional Input/Value Addition Provided/ Taught	CURRICULAR ACTIVITY				CO-CURRICULAR ACTIVITY					
					Activity Conducted	Hours Allotted	Whether Conducted	If not Alternate Date	Activity Conducted	Hours Allotted	Whether Conducted	If not Alternate Date		
October	4th week	3	Definition of OP-Amp Basic ideal OP-Amp	-	-	-	-	-	-	-	-	-	-	
			Block diagram of OP-Amp	OP-Amp's Importance	-	1hr	Yes	-	-	-	-	-	-	
			Characteristic of OP-Amp.	-	-	-	1hr	Yes	-	-	-	-	-	
November	1st week	4	Concept of Virtual ground	-	-	-	-	-	-	-	-	-	-	
			OP-Amp Parameters	-	-	-	-	-	-	-	-	-	-	
	2nd week	5hrs	Inverting & Non Inverting Amplifiers	-	-	-	-	-	-	-	-	-	-	

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CURRICULUM LECTURER WISE 2022-2023

ANNUAL CURRICULAR					PLAN (Year)								
NAME OF THE LECTURER: <u>Y. SRIDEVI</u>					CLASS: <u>II MEC</u>			Semester: <u>III</u>		Paper: <u>III Analog Circuits & Communication Electronics</u>			
MONTH	WEEK	HOURS AVAILABLE	SYLLABUS/ TOPIC	Additional Input/Value Addition Provided/ Taught	CURRICULAR ACTIVITY				CO-CURRICULAR ACTIVITY				
					Activity Conducted	Hours Allotted	Whether Conducted	If not Alternate Date	Activity Conducted	Hours Allotted	Whether Conducted	If not Alternate Date	
November	2nd week	5hrs	Summing Amplifier	—	—	—	—	—	—	Student QUIZ	1	Yes	—
			Subtractor Voltage Follower	—	—	—	—	—	—				
November	3rd week	5	Integrator Differentiator	will be shown model explained	1	Yes	—	—	—	Will make them prepare model	6	Yes	—
			Log Amplifier Voltage regulator										
NOV.	4th week	5	Comparator Schmitt trigger	Will be shown you tube video	1	Yes	—	—	—	Preparation of models.	1	Yes	—
			Sine wave generator	—	—	—	—	—	—	—	—	—	—

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CURRICULUM LECTURER WISE 2022-2023

ANNUAL CURRICULAR

PLAN (Year)

NAME OF THE LECTURER

Y. SRIDEVI

CLASS : II MEC

Semester : III

Paper : III Analog ccts & communication Electronics

MONTH	WEEK	HOURS AVAILABLE	SYLLABUS/ TOPIC	Additional Input/Value Addition Provided/ Taught	CURRICULAR ACTIVITY				CO- CURRICULAR ACTIVITY			
					Activity Conducted	Hours Allotted	Whether Conducted	If not Alternate Date	Activity Conducted	Hours Allotted	Whether Conducted	If not Alternate Date
DEC	1st week	5	Square wave generator	-	-	-	-	-	-	-	-	-
			Active filters Low pass, high pass	-	-	-	-	-	-	-	-	-
DEC	2nd	5	IC555 block diagrams	will be demonstrated IC555	1	Yes		will make student practice	1	Yes		-
			IC555 Applications	-	-	-	-	Student Seminar	1	Yes		-
DEC	3rd	5	Need for modulation Expression for Amplitude modulation	-	-	-	-	-	-	-	-	-
			Frequency spectrum Bandwidth of AM	-	-	-	-	-	-	-	-	-

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CURRICULUM LECTURER WISE 2022-2023

ANNUAL CURRICULAR					PLAN (Year)				CO-CURRICULAR ACTIVITY			
NAMR OF THE LECTURER: <u>Y-SRIDEVI</u>					CLASS: <u>TMEC</u> Semester: <u>III</u>				Paper: <u>Analog Ccts & Communication Electronic</u>			
MONTH	WEEK	HOURS AVAILABLE	SYLLABUS/ TOPIC	Additional Input/Value Addition Provided/ Taught	Activity Conducted	Hours Allotted	Whether Conducted	If not Alternate Date	Activity Conducted	Hours Allotted	Whether Conducted	If not Alternate Date
Dec	1st	5	power relations in the AM wave	-	-	-	-	-	-	-	-	-
	4th		Transit of modulator circuit	-	Shown vide tube video modulator circuit	-	-	-	-	-	-	-
Jan	1st	5	Detection of AM signals Diode detector	-	-	-	-	-	Student Group discussion	1hr	Yes	-
	2nd	5	theory of FM Frequency deviations &		-	-	-	-	-	-	-	-
	4th	6	carrier swing Modulation index	-	-	-	-	-	prepare charts	1hr	Yes	-
			deviation ratio Percent modulation Mathematical representation of FM wave.	-	-	-	-	-	-	-	-	-

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CURRICULUM LECTURER WISE 2022 - 2023

ANNUAL CURRICULAR					PLAN (Year)									
IAMR OF THE LECTURER Y. SRIDEVI					CLASS : II MEC				Semester : III		Paper : III Analog ccts & communication			
MONTH	WEEK	HOURS AVAILABLE	SYLLABUS/ TOPIC	Additional Input/Value Addition Provided/ Taught	CURRICULAR ACTIVITY				CO-CURRICULAR ACTIVITY					
					Activity Conducted	Hours Allotted	Whether Conducted	If not Alternate Date	Activity Conducted	Hours Allotted	Whether Conducted	If not Alternate Date		
Feb	1st week	5	Frequency spectrum & Band width of FM waves.	-	-	-	-	-	-	-	-	-	-	
			Generation of FM signals.	-	-	-	-	-	-	Student Debate	1hr	Yes	-	
	2nd	5	Reactance modulator. Detection of FM waves.	-	-	-	-	-	-	-	-	-	-	
	3rd	4	Ratio detector. Radio broadcast Casting & Reception	-	Shown youtube video	1hr	Yes	-	-	-	-	-	-	
	4th	5	Spectrum of electromagnetic waves. AM Transmitter	-	-	-	-	-	-	-	-	-	-	
			Receiver, Super heterodyne receiver. Block dia of FM Receiver.	-	-	-	-	-	-	-	-	-	-	

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CURRICULUM LECTURER WISE 2022 - 2023

ANNUAL CURRICULAR					PLAN (Year) 6B							
NAMR OF THE LECTURER Y. SRIDEVI					CLASS : TIME C		Semester: VI		Paper : Embedded systems & design			
MONTH	WEEK	HOURS AVAILABLE	SYLLABUS/ TOPIC	Additional Input/Value Addition Provided/ Taught	CURRICULAR ACTIVITY				CO-CURRICULAR ACTIVITY			
					Activity Conducted	Hours Allotted	Whether Conducted	If not Alternate Date	Activity Conducted	Hours Allotted	Whether Conducted	If not Alternate Date
September	3rd	6	Embedded systems overview	-	-	-	-	-	-	-	-	-
			Design challenge	-	-	-	-	-	-	-	-	-
			Process of Technology	-	Shown YouTube videos	1hr	Yes	-	-	-	-	-
SEP	4th	5	IC Technology & Design Technology	-	-	-	-	-	-	-	-	-
			custom single purpose processor Hardware development	-	-	-	-	-	student seminar	1hr	Yes	-
Octo	2nd	6	Introduction combination logic sequential logic	-	-	-	-	-	-	-	-	-

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CURRICULUM LECTURER WISE 2022 - 2023

ANNUAL CURRICULAR					PLAN (Year) 6B									
NAME OF THE LECTURER Y. SRIDEVI					CLASS : <u>III MEC</u>				Semester : <u>V</u>		Paper : <u>Embedded systems & design</u>			
MONTH	WEEK	HOURS AVAILABLE	SYLLABUS/ TOPIC	Additional Input/Value Addition Provided/ Taught	CURRICULAR ACTIVITY				CO-CURRICULAR ACTIVITY					
					Activity Conducted	Hours Allotted	Whether Conducted	If not Alternate Date	Activity Conducted	Hours Allotted	Whether Conducted	If not Alternate Date		
Octo	3 rd	6	Custom single purpose processor design	-	-	-	-	-	-	-	-	-	-	
			RT level custom single purpose processor	-	-	-	-	-	-	-	-	-	-	
Oct	4 th	4	General purpose processor - Software development Introduction.	-	-	-	-	-	-	-	-	-	-	
			Basic Architecture operation Programmer's View.	-	-	-	-	-	-	-	-	-	-	
November	1 st	4	ASIPS & development Environment	-	-	-	-	-	-	-	-	-	-	
			Host & Target Machines.	-	-	-	-	-	-	-	-	-	-	

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Y. Sridevi

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CURRICULUM LECTURER WISE 2022 - 2023

ANNUAL CURRICULAR					PLAN (Year)							
NAME OF THE LECTURER					CLASS : III MEC		Semester: V		Paper : Embedded Systems & design			
MONTH	WEEK	HOURS AVAILABLE	SYLLABUS/ TOPIC	Additional Input/Value Addition Provided/ Taught	CURRICULAR ACTIVITY				CO-CURRICULAR ACTIVITY			
					Activity Conducted	Hours Allotted	Whether Conducted	If not Alternate Date	Activity Conducted	Hours Allotted	Whether Conducted	If not Alternate Date
NOV	2nd	6	Pulse width Modulators, Stepper Motor	-	-	-	-	-	Student Quiz	1hr	Yes	-
			Controllers. Analog to Digital Converters.	-	-	-	-	-	-	-	-	-
NOV	3rd	6	Realtime clocks.	-	-	-	-	-	-	-	-	-
			Parallel & serial wireless communication	-	-	-	-	-	-	-	-	-
NOV	4th	6	Serial protocols I ² C, CAN	-	-	-	-	-	Student Group discussion	1hr	Yes	-
			Fire wire & USB	-	-	-	-	-	-	-	-	-

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Y. Sridewi

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Y. Sridewi

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CURRICULUM LECTURER WISE 2022 - 2023

ANNUAL CURRICULAR					PLAN (Year)								
NAME OF THE LECTURER					CLASS : <u>III Meca.</u>				Semester : <u>II</u>		Paper : <u>Embedded System Design.</u>		
MONTH	WEEK	HOURS AVAILABLE	SYLLABUS/ TOPIC	Additional Input/Value Addition Provided/ Taught	CURRICULAR ACTIVITY				CO-CURRICULAR ACTIVITY				
					Activity Conducted	Hours Allotted	Whether Conducted	If not Alternate Date	Activity Conducted	Hours Allotted	Whether Conducted	If not Alternate Date	
December	1st	6	Linker/Loaders & Embedded Software.	-	-	-	-	-	-	-	-	-	-
			Getting Embedded Software into the target system.	-	Shown you tube videos	1hr	Yes	-	-	-	-	-	-
Dec	2nd	5	Debugging techniques. Testing on your host Machine.	-	-	-	-	-	Student Debate	1hr	Yes	-	-
			Instruction set Simulators.	-	-	-	-	-	-	-	-	-	-
Dec	3rd	5	RTW A & Embedded Systems Introduction	-	-	-	-	-	-	-	-	-	-
			Timer, counter & Watchdog Timers UART.	-	-	-	-	-	-	-	-	-	-

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Sridevi

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CURRICULUM LECTURER WISE 2022-2023

ANNUAL CURRICULAR					PLAN (Year)								
NAME OF THE LECTURER: Y. SRIDEVI					CLASS: III MEC		Semester: IV		Paper: GB Embedded system & design				
MONTH	WEEK	HOURS AVAILABLE	SYLLABUS/ TOPIC	Additional Input/Value Addition Provided/ Taught	CURRICULAR ACTIVITY				CO- CURRICULAR ACTIVITY				
					Activity Conducted	Hours Allotted	Whether Conducted	If not Alternate Date	Activity Conducted	Hours Allotted	Whether Conducted	If not Alternate Date	
Dec	4th		Parallel protocols PCI bus	-	-	-	-	-	-	-	-	-	-
			ARM bus	-	-	-	-	-	-	-	-	-	-
Janu 23	1st	4	wireless protocols	-	-	-	-	-	-	Student Debate	1hr	Yes	-
			IrDA Bluetooth	-	-	Yes	-	-	-	-	-	-	-
	2nd	2	IEEE 802.11	-	-	-	-	-	-	-	-	-	-

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SIR C.R. REDDY COLLEGE FOR WOMEN, ELURU

CURRICULUM PLAN- LECTURER WISE 2022-23

ANNUAL CURRICULAR					PLAN (Year) 7B								
NAME OF THE LECTURER: K. JYOTHSNA					CLASS: TITMFCES			Semester: V		Paper: Consumer Electronics			
MONTH	WEEK	HOURS AVAILABLE	SYLLABUS/ TOPIC	Additional Input/Value Addition Provided/ Taught	CURRICULAR ACTIVITY				CO-CURRICULAR ACTIVITY				
					Activity Conducted	Hours Allotted	Whether Conducted	If not Alternate Date	Activity Conducted	Hours Allotted	Whether Conducted	If not Alternate Date	
Nov	4th	4	Introduction Microwaves	Electromagnetic waves system	-	-	-	-	-	-	-	-	-
	5th	2	Microw oven Block diagram	-	will be shown youtube video	1	Yes	-	-	-	-	-	-
Dec	1	2	LCD timer with alarm	-	-	-	-	-	-	-	-	-	-
	2	4	single chip controller	Block diagram of processor	-	-	-	-	-	-	-	-	-
			Types of Microw oven	-	will be shown ppt's	-	-	-	-	-	-	-	-
	3	4	Wiring and Safety instructions cases cleaning	-	-	-	-	-	student seminar	1	Yes	-	-
	4	3	Electron controller block diagram of washing machine	-	-	-	-	-	-	-	-	-	-

K. Jyotsna
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CURRICULUM PLAN- LECTURER WISE 2022-23

ANNUAL CURRICULAR					PLAN (Year)							
NAME OF THE LECTURER : K. Jyotsna					CLASS : III BEEs		Semester : V		Paper : consumer Electronics			
MONTH	WEEK	HOURS AVAILABLE	SYLLABUS/ TOPIC	Additional Input/Value Addition Provided/ Taught	CURRICULAR ACTIVITY				CO-CURRICULAR ACTIVITY			
					Activity Conducted	Hours Allotted	Whether Conducted	If not Alternate Date	Activity Conducted	Hours Allotted	Whether Conducted	If not Alternate Date
Dec	5th	4	Hard ware and software	-	-	-	-	-	debate	1	Yes	-
			Types of washing machine	New Technology of washing machine	-	-	-	-	-	-	-	-
JAN	1	4	Fuzzy logic washing machine	-	will be shown youtube video	1	Yes	-	-	-	-	-
			Feature of washing machine	-	-	-	-	-	-	-	-	-
JAN	2	2	components of AC All water A/C system	-	-	-	-	-	student seminar	1	Yes	-
	3	2	All water AC All air ac	Example of All water A/C all air ac	-	-	-	-	-	-	-	-
	4	3	unitary ac and central ac	-	-	-	-	-	-	-	-	-
	5	3	SPLIT AC Facsimile machine	-	will be shown model and Explain	1	Yes	-	GROUP Discussion	1	Yes	-

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J. Sreedevi
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SIR C.R.REDDY COLLEGE FOR WOMEN, ELURU
CURRICULUM LECTURER WISE 2022-2023

ANNUAL CURRICULAR					PLAN (Year)											
NAME OF THE LECTURER					CLASS: III MPEs				Semester: V				Paper: consumer electronics			
MONTH	WEEK	HOURS AVAILABLE	SYLLABUS/ TOPIC	Additional Input/Value Addition Provided/ Taught	CURRICULAR ACTIVITY				CO-CURRICULAR ACTIVITY							
					Activity Conducted	Hours Allotted	Whether Conducted	If not Alternate Date	Activity Conducted	Hours Allotted	Whether Conducted	If not Alternate Date				
Feb	1	4	Facsimile-23 xerography calculator	key board structure	will be shown in youtube video	1	Yes	-	-	-	-	-	-			
	2	4	structure of a calculator's internal	-	-	-	-	-	-	-	-	-	-			
	3	4	organization of calculator's sequencing of calculator	-	will be shown model and explained	1	Yes	-	quiz	1	Yes	-	-			
	4	3	Block diagram of Digital clock	registers, 7490, 7492 counters	-	-	-	-	-	-	-	-	-			
			Digital computer internal circuit	-	-	-	-	-	-	-	-	-	-			
Mar	1	4	online ticket reservation, Barcode scanner	online ticket reservation	will be shown in youtube video	1	Yes	-	-	-	-	-	-			

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K. Jyotsna

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J. Sidewala

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CURRICULUM LECTURER WISE 2022-2023

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MONTH	WEEK	HOURS AVAILABLE	SYLLABUS/ TOPIC	Additional Input/Value Addition Provided/ Taught	CURRICULAR ACTIVITY				CO-CURRICULAR ACTIVITY				
					Activity Conducted	Hours Allotted	Whether Conducted	If not Alternate Date	Activity Conducted	Hours Allotted	Whether Conducted	If not Alternate Date	
March	2	4	Electronic Fund Transfer	-	-	-	-	-	-	-	-	-	

Signature of the Lecturer *K. Jyoti*

Signature of the HOD *J. Sridhar*

Signature of the Principal *[Signature]*