

SIR C.R.REDDY COLLEGE FOR WOMEN, ELURU
CURRICULUM LECTURER WISE 2020- 2021

ANNUAL CURRICULAR					PLAN (Year)								
NAME OF THE LECTURER					CLASS :		Semester :		Paper :				
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 2021	1 st	5hrs	Newton's laws of motion, Motion of variable mass system,	Introduction to Mechanics.	-	-	-	-	-	-	-	-	-
			Motion of Rocket, Multi-stage Rocket Impact Parameter Scattering of cross section	Collisions	You tube video's will be shown	1	Yes	-	-	-	-	-	-
	2 nd	5hrs	Rutherford scattering, Rigid body, Kinematic relations, equ. of motion,	-	-	-	-	-	-	-	-	-	-
			Angular momentum, Moment of Inertia tensor, Euler equations, Gyroscope	-	-	-	-	-	-	-	-	-	-
	3 rd	5hrs	Precession of top, Precession of atom, nucleus in mag field precession of	-	You tube video's will be shown	1	Yes	-	seminar	1	NO	1 st week of August	
			Equinoxes. Problems,	-	You tube video's will be shown.	1	Yes	-	-	-	-	-	

Signature of the Lecturer

M. Jaya Lakshmi Devi

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M. Jaya Lakshmi Devi

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CURRICULUM LECTURER WISE 2020- 2021

ANNUAL CURRICULAR					PLAN (Year)							
NAMR OF THE LECTURER <i>M. Jaya lakshmi Devi</i>					CLASS : <i>P.B.Sc</i>		Semester : <i>I</i>		Paper : <i>PHYSICS-I</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
	<i>4th</i>	<i>5hrs.</i>	<i>Central forces, characteristics. conservative nature of central force</i>	<i>Types of Forces</i>	-	-	-	-	-	-	-	-
			<i>Eqn. of motion, Kepler's laws</i>	-		<i>1</i>	<i>Yes</i>	-	-	-	-	-
<i>March</i>	<i>1st</i>	<i>5hrs</i>	<i>Motion of satellites, GPS weight less etc.</i>	<i>Satellite working</i>	<i>Shown.</i>	-	-	-	<i>Debate</i>	<i>1</i>	<i>NO</i>	<i>1st week of Aug.</i>
			<i>Problem 8. Relativity.</i>	-	-	-	-	-	-	-	-	-
	<i>2nd</i>	<i>3hrs</i>	<i>Galilean transformation</i>	-	-	-	-	-	-	-	-	-
			<i>Michelson Morley exp</i>	-	<i>Youtube video's will be shown</i>	<i>1</i>	<i>Yes</i>	-	-	-	-	-

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CURRICULUM LECTURER WISE 2020 - 2021

ANNUAL CURRICULAR					PLAN (Year)								
NAMR OF THE LECTURER <i>M. Jaya Lakshmi Devi</i>					CLASS : <i>B.Sc</i>		Semester : <i>T</i>		Paper : <i>PHYSICS - I</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	
March 2021	3 rd	5hrs	Absolute frame Postulates of Special Theory of	-	-	-	-	-	-	-	-	-	-
			Relativity. Lorenz +2 transformation.	-	You tube will be shown.	1	yes	-	-	-	-	-	-
	4 th	6hrs	Length contraction Time dilation Variation of	Twin's Paradox	-	-	-	-	Group Discussion	1	NO	1 st week of Aug	
			Mass with velocity $E=mc^2$. S.H.O	-	-	-	-	-	-	-	-	-	-
April	1 st	6hrs	Mid Grams,	-	-	-	-	-	-	-	-	-	-
			Damped harmonic Forced harmonic oscillators, Resonance,	-	PPT's will be shown	1	yes	-	Quiz.	1	NO	1 st week of Aug	

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ANNUAL CURRICULAR					PLAN (Year)									
NAMR OF THE LECTURER					CLASS : <u>IB.Sc</u>				Semester : <u>I</u>		Paper : <u>PHYSICS - I</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		
April	2 nd	4 hrs	Logarithmic decrement, Relaxation time, Quality factor, Coupled oscillators, Two coupled	-	-	-	-	-	-	-	-	-	-	
			Oscillators, Normal co-ordinated Normal modes, N-coupled oscillators	N-coupled oscillator	YouTube video's will be	1	Yes	-	-	-	-	-	-	
	3 rd	4 hrs	Transverse wave equation. Modes of vibration of stretched	Sonometer	shown	-	-	-	-	-	-	-	-	
			String clamped at both ends. overtones & harmonics. Melde's strings.	verification of Law's.	-	-	-	-	-	-	-	-	-	
	4 th	4 hrs	Magnetostriction Method, Piezo electric method, Properties, Detection	Determination of wavelength	YouTube video's will be shown	1	Yes	-	-	-	-	-	-	
			Methods, Applications.	of ultra sonics	-	-	-	-	-	-	-	-	-	

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ANNUAL CURRICULAR					PLAN (Year)								
NAMR OF THE LECTURER K. SIRISHA					CLASS : IB.Sc			Semester : I		Paper : I Electrical Appliances			
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 st	2	Unit - I Voltage, current Resistance,	charge, current,	will be shown PPTs	1	Yes	-	-	-	-	-	-
			Capacitance, Inductance, Electrical condu	-	-	-	-	-	-	-	-	-	-
			CTs, Insula tors, ohm's law	-	-	-	-	-	-	-	-	-	-
Feb	2 nd	2	Series and Parallel combination of resistors,	PMMC voltmeter, PMMC voltm eter uses	will be shown you tube videos	1	Yes	-	-	-	-	-	-
			Galvanometer, Ammeter, Voltmeter,	for DC measursem ent	-	-	-	-	-	-	-	-	-
Feb	3 rd	2	multimeter, Transformer	-	-	-	-	-	-	-	-	-	-

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CURRICULUM LECTURER WISE 2020- 2021

ANNUAL CURRICULAR					PLAN (Year)								
NAME OF THE LECTURER: K. SIRISHA					CLASS: I B.Sc		Semester: I		Paper: I Electrical appliances				
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 th	02	Electrical energy, Power, kilowatt hour, consumption of electrical Power.	-	will be shown PPT's	1	yes	-	-	-	-	-	-
				-	-	-	-	-	-	-	-	-	-
Mar	1 st	2	Unit-2 :- D.C & A.C currents, RMS, Peak	-	will be shown you tube videos	1	yes	-	-	-	-	-	-
			Values, Power factor, single & three phase connections.	RMS value of sine wave Average Value of sine wave	-	-	-	-	-	-	-	-	-
				Value of sine wave	-	-	-	-	-	-	-	-	-
Mar	2 nd	2	Basics of house wiring, star and delta connection	Instantaneous value, Peak factor	will be shown you tube videos	1	yes	-	-	-	-	-	-

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ANNUAL CURRICULAR					PLAN (Year)								
NAMR OF THE LECTURER K. SIRISHA					CLASS : I B.Sc		Semester : I		Paper : I Electrical appliances				
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	
			electric shock first aid for electrical shock	Different types of electrical wiring systems	will be shown you tube videos	1	yes	-	-	-	-	-	-
Max	3 rd	2	over loading, Earthing and its necessity, short	-	-	-	-	-	-	-	-	-	-
			circulating, Fuses, MCB, ELCB	-	-	-	-	-	-	-	-	-	-
Max	4 th	2	Insulation, Inverter, UPS	wave form frequency amplitude	will be shown PPT'S	1	yes	-	-	-	-	-	-
			Unit-III. Principle of working of	-	-	-	-	-	-	-	-	-	-
			electrical fan	-	-	-	-	-	-	-	-	-	-

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ANNUAL CURRICULAR					PLAN (Year)								
NAMR OF THE LECTURER K. SIRISHA					CLASS : I B.Sc			Semester : T		Paper : 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	
April	1 st	1	Electric Iron box, electric blub	Battery wiring (CT's and TR's wiring)	will be shown PPT'S	1	yes	-	-	-	-	-	-
April	2 nd		Mid examy	-	-	-	-	-	-	-	-	-	-
April	3 rd	2	water heater, Induction heater, oven, Refrigerator	Types of conduct steps involved	will be shown you tube videos	1	yes	-	-	-	-	-	-
			HT.	In servicing of an electric fan	-	-	-	-	-	-	-	-	-
April	4 th	2	concept of illumination, CFL, LED, energy	Fault and cause of immersion heater	will be shown PPT'S	1	yes	-	-	-	-	-	-
			efficiency in electrical appliances	codes	-	-	-	-	-	-	-	-	-
			IS & IE codes.										

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II MPC-1
II MPC-2
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ANNUAL CURRICULAR					PLAN (Year)								
NAMR OF THE LECTURER P. SIVA KUMARI					CLASS : II B.Sc (IIMPCSA) Semester : III				Paper : III Wave Optics				
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	1 st	5	UNIT-I Aberrations, types Spherical aberrations minimization methods	Geometrical optics, physical optics	will be shown in PPTS	1	Yes	-	-	-	-	-	-
			chromatic aberrations, types	-	-	-	-	-	-	-	-	-	-
			COMA, Astigmatism, distortion, curvature	Deviation produced by a thin lens	-	-	-	-	-	-	-	-	-
Dec	2 nd	5	Interference, principle of super position,	Coherence, Spatial coherence & Temporal Coherence	will be shown in youtube videos	1	Yes	-	-	-	-	-	-
			Coherence concept conditions for interference light	-	-	-	-	-	Seminar	1	Yes	-	-
			Biprism Expt	Lloyd's Single mirror	-	-	-	-	-	-	-	-	-

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CURRICULUM LECTURER WISE 2019 - 2020 - 2021

ANNUAL CURRICULAR					PLAN (Year)								
NAMR OF THE LECTURER P. SIVA KUMARI					CLASS : II B.Sc (MPCS2)		Semester : II		Paper : II wave optics				
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	
			change of phase on reflection	will be mirrors of types explained	will be shown in PPTS	1	Yes	-	-	-	-	-	-
			colours of thin films	-	-	-	-	-	-	-	-	-	-
Dec	2 nd		Cosine Law	with white light also will explain	will be shown in physics lab	1	Yes	-	-	-	-	-	-
Jan	1 st	3	wedge shaped film, Newton's rings	-	Demonstration in lab	1	Yes	-	Debate	1	Yes	-	-
		05/01/21 to	MIDEXAMS-1	-	-	-	-	-	-	-	-	-	-
		8/01/21											

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P. Siva Kumari

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CURRICULUM LECTURER WISE 2019 - 2020 - 2021

ANNUAL CURRICULAR					PLAN (Year)								
NAMR OF THE LECTURER P. SIVA KUMARI					CLASS : II B.Sc (MPCS-2) Semester : II				Paper : III Wave optics				
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	
Jan	2 nd	2	Michelson-interferometer problems on UNIT I & II	-	-	-	-	-	-	-	-	-	-
12-01-2021 to 17-01-2021			PONGAL Holidays	-	-	-	-	-	-	-	-	-	-
Jan	3 rd	4	Diffraction - fresnel & fraunhofer diffraction Single slit	Resultant of 'n' Simple harmonic motions	Demonstration in lab	1	Yes	-	-	-	-	-	-
			Doble slit, N-slits	-	-	-	-	-	-	-	-	-	-
			Resolving power of grating	-	-	-	-	-	-	-	-	-	-
			Normal & oblique incidence methods using diffraction grating	-	-	-	-	-	-	-	-	-	-

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CURRICULUM LECTURER WISE 2019 - 2020 - 2021

ANNUAL CURRICULAR					PLAN II (Year)								
NAMR OF THE LECTURER					CLASS : II B.Sc (MPCS-2) Semester : III				Paper : III Wave optics				
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	
Jan	4 th	5	Fresnel's half period zones	-	-	-	-	-	-	-	-	-	-
			zone plate, comparison of zone plate with convex lens	Single slit diffraction by fourier transfer method	-	-	-	-	-	-	-	-	-
			Difference b/w interference & diffraction polarization introduction	Longitudinal waves, transverse waves	Resonant of simple harmonic motions	1	yes	-	-	-	-	-	-
			By reflection, refraction, Double refraction, Brewster's Law	-	-	-	-	-	-	-	-	-	-
			Malus Law Nicol's prism	plane, circularly and elliptically polarized light	-	-	-	-	-	-	-	-	-
			Laurent's half Shade polarimeter	Representation of various types of light	Demonstration in lab	1	yes	-	-	-	-	-	-

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CURRICULUM LECTURER WISE 2019 - 2020 - 2021

ANNUAL CURRICULAR					PLAN II (Year)							
NAMR OF THE LECTURER <u>P. SIVA KUMARI</u>					CLASS : <u>II B.Sc (MPCS-2)</u> Semester : <u>II</u>				Paper : <u>II wave optics</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
Feb	1 st	5	Babinet's Compensator	-	-	-	-	-	-	-	-	-
			Lasers:- Spontaneous and stimulated emission	-	will be shown in PPTS	1	Yes	-	-	-	-	-
			Population inversion He-Ne Laser	-	-	-	-	-	Quiz	1	Yes	-
			Ruby Laser Applications of Lasers	-	-	-	-	-	-	-	-	-
			Holography - principle	Holography with different images will explain	will be shown in youtube	1	Yes	-	-	-	-	-
Feb	2 nd	5	Gabor hologram and its Limitations	-	-	-	-	-	-	-	-	-

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12.8.2024

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CURRICULUM LECTURER WISE 2019 - 2020 - 2021

ANNUAL CURRICULAR					PLAN <u>II</u> (Year)											
NAMR OF THE LECTURER					CLASS : <u>II</u> B.Sc (MPCS-2)				Semester : <u>II</u>				Paper : <u>III</u> wave optics			
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				
			Applications of holography	-	-	-	-	-	-	-	-	-	-			
			Fibre optics - Introduction - types	-	will be shown in youtube videos	1	yes	-	Group discussion	1	yes	-	-			
feb	3 rd	5	principles of fiber communication	Acceptance angle and numerical aperture	-	-	-	-	-	-	-	-	-			
			Advantages of fibre optic communication	-	will be shown in youtube videos	1	yes	-	-	-	-	-	-			
			-	-	-	-	-	-	-	-	-	-	-			
			-	-	-	-	-	-	-	-	-	-	-			

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ANNUAL CURRICULAR					PLAN (Year)				Electricals magnetism & electronics				
NAMR OF THE LECTURER CH. ANITHA					CLASS : III mpc2 & III mpe I Semester : V				Paper : VA				
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			Gauss Law statement & its proof	Electric flux	will be shown ppt's	1	Yes	-	-	-	-	-	-
			Electric field intensity due to ① uniformly	-	and Explains	1	-	-	-	-	-	-	-
	3rd	2	Charged sphere & ② an infinite conducting sheet of charge	-	-	-	-	-	-	-	-	-	-
NOV	4th	4	Electrical potential Equipotential Surfaces	-	will be shown	1	Yes	-	-	-	-	-	-
			potential due to ① a point charge, ② Charged Spherical shell.	'E' due to a cylinder	models & Explained	-	-	-	-	-	-	-	-
			Electric dipole moment & molecular polarizability	-	-	-	-	-	-	-	-	-	-
			Electric displacement D, Electric polarizability	-	-	-	-	-	-	-	-	-	-
			ρ -relation b/w D, E, P Dielectric constant & susceptibility	-	-	-	-	-	-	-	-	-	-

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2020-2021

ANNUAL CURRICULAR					PLAN (Year)								
NAMR OF THE LECTURER CH. ANITHA					CLASS : Impedance & Impulse Semester : V				Paper : Electricity magnetism & 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	5th	1	Boundary conditions at the dielectric surface	Capacitor principle	-	-	-	-	-	-	-	-	-
			Biot - savarts Law, Explanation & Cal- of B due to long straight wire, a circular Current loop and Solenoid -	motion of a charged particle in magnetic field.	will be shown youtube videos	1	Yes	-	-	-	-	-	-
			Hall - effect - determination of Hall coefficient & applications, Faradays Law	-	-	-	-	-	-	-	-	-	-
DEC	2nd	3	Lenz's Law, self & mutual inductance, coefficient of coupling, coeff of	flemings left hand rule	-	-	-	-	-	-	-	-	-
			calculation of self & inductance of a long solenoid	-	will be shown youtube videos	1	Yes	-	-	-	-	-	-
			Energy stored in magnetic field	-	-	-	-	-	-	-	-	-	-

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ANNUAL CURRICULAR					PLAN (Year)											
NAMR OF THE LECTURER CH. ANITHA					CLASS : III mpc2 & III mpc3				Semester : V sem				Paper : electricity magnetism & 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	3 rd	4	Transformer energy losses - efficiency.	Expression for induced E.m.f	-	-	-	-	-	-	-	-	-	-		
			Alternating Current	-	-	-	-	-	-	-	-	-	-	-		
			random current & voltage in LR & CR ckt.	-	-	will be demonstrated in lab.	Yes	-	-	-	-	-	-	-		
			Vector diagrams, LCR series & parallel resonant circuit, Q-factor, power in ac ckt	-	-	-	-	-	-	-	-	-	-	-		
			Idea of displacement Current -	Transverse wave nature of electromagnetic waves	-	-	-	-	-	-	-	-	-	-		
			Maxwell's equations [Integral and differential form]	-	-	will be shown in youtube video	Yes	-	-	-	-	-	-	-		
				-	-	-	-	-	-	-	-	-	-	-		

Signature of the Lecturer
 Ch. Anitha

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ANNUAL CURRICULAR					PLAN (Year)				Electricals, magnetism & electronics			
NAMR OF THE LECTURER CH. ANITHA					CLASS : <u>Impc2 & Impa1</u> Semester : <u>Vsem</u>				Paper : <u>4 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
Jan	3rd	4	Maxwell's wave Eqs pointing the statement, production of electromagnetic waves	-	will be shown youtube video	1	Yes	-	seminar	1	Yes	-
			Heertz expt)	-	-	-	-	-	Debate	1	Yes	-
			p-n Junction diode, Zener diode, I-V Characteristics	-	-	-	-	-	-	-	-	-
	4th	4	PNP, NPN transistors CB, CE & CC configurations, Relation β & β	half wave & full wave rectifiers	will be demonstrated in lab	-	-	-	-	-	-	-
			α , β & δ - transistor (CE) characteristics	-	-	-	-	-	-	-	-	-
			Transistor as an amplifier	-	-	-	-	-	-	-	-	-
Feb	1st	4	Number Systems Conversion of	-	-	-	-	-	Group discussion	1	Yes	-

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ANNUAL CURRICULAR					PLAN (Year)											
NAMR OF THE LECTURER: CH. ANITHA					CLASS: III mpc2 & III mps-1				Semester: II sem				Paper: Electricals, magnetism & 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				
			binary to decimal system & vice versa	conversion of binary to	will be shown you	1	Yes	-	-	-	-	-	-			
Feb	2nd	4	Binary subtraction 2's complement methods	hexadecimal and vice versa	tube videos	1	-	-	-	Quiz	1	Yes	-			
			Law of Boolean algebra.	-	-	-	-	-	-	-	-	-	-			
			De-morgan's Law Statement & proof	-	-	-	-	-	-	-	-	-	-			
			Basic logic gates NAND & NOR as universal gates	-	will be demonstrated in lab	1	Yes	-	-	-	-	-	-			
			Exclusive-OR gate	-	-	-	-	-	-	-	-	-	-			
			Half adder & full adder	-	-	-	-	-	-	-	-	-	-			
			-	-	-	-	-	-	-	-	-	-	-			
			-	-	-	-	-	-	-	-	-	-	-			

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 Ch. Anitha

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SIR C.R.REDDY COLLEGE FOR WOMEN, ELURU
CURRICULUM LECTURER WISE 2020- 2021

ANNUAL CURRICULAR					PLAN (Year)								
NAMR OF THE LECTURER <i>M. Jaya Lakshmi Devi</i>					CLASS : <i>III B.Sc M.P.C.E.S</i> Semester : <i>V</i>				Paper : <i>PHYSICS VB</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	
<i>Nov</i>	<i>3rd</i>	<i>4</i>	<i>Introduction, Draw back of Bohr's atomic model. vector atom model, Stern & Gerlach exp.</i>	<i>Selection Rules</i>	-	-	-	-	-	-	-	-	-
			<i>Zeeman effect, Raman effect, Application of Quantum Theory, Experimental arrangement</i>	<i>Intensity rules. Fine structure</i>	<i>Youtube videos will be shown</i>	1	yes	-	-	-	-	-	-
	<i>4th</i>	<i>5</i>	<i>Matter waves, de-Broglie's hypothesis - wave length of matter waves - Photo effect</i>	<i>photo electric effect.</i>	-	-	-	-	-	-	-	-	-
			<i>Davisson & Germer experiment - Heisenberg's uncertainty for (X & P) & (E & t)</i>	-	<i>PPT's will be shown</i>	1	yes	-	-	<i>Seminar</i>	1	yes.	-
<i>Dec</i>	<i>3rd</i>	<i>4</i>	<i>Basic Postulates of Q.M. Schrodinger's time independent & time dependent wave eq.</i>	-	-	-	-	-	-	<i>Debate</i>	1	yes.	-
			<i>Physical interpretation of Eigen functions & values. Schrodinger wave eq. to a particle in 1-D Box.</i>	<i>3D - Box</i>	<i>PPT's will be shown.</i>	1	yes	-	-	-	-	-	-

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M. Jaya Lakshmi Devi

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SIR C.R.REDDY COLLEGE FOR WOMEN, ELURU

CURRICULUM LECTURER WISE 2020- 2021

ANNUAL CURRICULAR					PLAN (Year)							
NAMR OF THE LECTURER					CLASS :	Semester :			Paper :			
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 th	6	Basic ideas of nucleus. Binding energy	-	-	-	-	-	-	-	-	-
			Liquid Drop Model Shell Model. Problems. I Mid Exam	-	You tube video's will be	1	Yes	-	-	-	-	-
Jan	3 rd	4	α -decay Basics, Theory. Gamow's Theory of α -decay.	-	Shown	-	-	-	-	-	-	-
			β -decay, Energy kinematics. Positron, emission, e^- capture, ν hypothesis.	-	PPT'S will be shown	1	Yes	-	Group Discussion	1	Yes	-
Jan	4 th	6	Amorphous & Crystalline materials Unit cell, Miller indices, reciprocal lattice.	Types of	-	-	-	-	-	-	-	-
			Types of lattice. X-ray diffraction. Bragg's law. Lave's Method.	magnetic materials.	-	-	-	-	-	-	-	-

Signature of the Lecturer

M. Jaya Lakshmi Devi

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SIR C.R.REDDY COLLEGE FOR WOMEN, ELURU
CURRICULUM LECTURER WISE 2020 - 2021

ANNUAL CURRICULAR					PLAN (Year)							
NAMR OF THE LECTURER <i>M. Jaya Lakshmi Devi</i>					CLASS : <i>III B.Sc</i>		Semester : <i>V</i>		Paper : <i>PHYSICS VB.</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
<i>Feb 2021</i>	<i>1st</i>	<i>4</i>	<i>Superconductivity experimental facts, critical temperature, critical field.</i>	<i>BCS Theory</i>	<i>You tube video's will be</i>	<i>1</i>	<i>yes</i>		<i>Quiz</i>	<i>1</i>	<i>yes</i>	<i>-</i>
			<i>Meissner effect, Isomre effect TYPE II superconductors Applications.</i>	<i>-</i>	<i>shown</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>
<i>Feb</i>	<i>2nd</i>	<i>4</i>	<i>Revision.</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>
			<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>
			<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>
			<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>

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M. Jaya Lakshmi Devi

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