

SIR C.R.REDDY COLLEGE FOR WOMEN, ELURU

79

CURRICULUM LECTURER WISE ~~2019-2020~~ 2021-2022

ANNUAL CURRICULAR					PLAN (Year)								
NAMR OF THE LECTURER P. SIVA KUMARI					CLASS : I B.Sc (MPC)			Semester : I		Paper : Mechanics waves & oscillations			
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	3 rd	3	UNIT-I Review of Newton's Laws of motion	Definitions of rest, motion	-	-	-	-	-	-	-	-	-
			Motion of variable mass system	Conservation laws, energy	-	-	-	-	-	-	-	-	-
			Motion of a rocket Multistage rocket	-	will be shown models	1	Yes	-	-	-	-	-	-
Nov	4 th	5	concept of impact parameter	concept of Relative velocity	-	-	-	-	-	-	-	-	-
			Scattering cross-section	Collisions	-	-	-	-	-	-	-	-	-
			Rutherford Scattering-derivation	-	-	-	-	-	-	-	-	-	-

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P. Siva Kumari

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CURRICULUM LECTURER WISE 2019 - 2020 2021-2022

ANNUAL CURRICULAR					PLAN (Year)								
NAMR OF THE LECTURER P. SIVA KUMARI					CLASS : <u>IB.Sc(MPC-1)</u> Semester : <u>I</u>				Paper : <u>I Mechanics waves & oscillation</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	
			<u>UNIT-1</u> Rigid body,	-	-	-	-	-	-	-	-	-	-
			Rotational kinematic relations,	-	-	-	-	-	-	-	-	-	-
Dec	1 st Dec	5	Egn of motion for a rotating body, Angular momentum and moment of inertia tensor, Euler Eqns	-	-	Yes	-	-	-	-	-	-	-
			Precession of a spinning top	-	-	-	-	-	-	-	-	-	-
			Gyroscope.	-	-	Yes	-	-	-	-	-	-	-

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ANNUAL CURRICULAR					PLAN I (Year)							
NAMR OF THE LECTURER					CLASS : T B.sc (MPC) Semester : I				Paper : Mechanics waves & oscillations			
P. SIVA KUMARI					CURRICULAR ACTIVITY				CO- CURRICULAR ACTIVITY			
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	2 nd	5	Precession of the equinoxes.	-	will be shown in youtube	1	Yes	-	-	-	-	-
			UNIT-II Central forces def and examples,	Different types of forces	-	-	-	-	-	-	-	-
			characteristics, conservative nature of central forces	-	-	-	-	-	-	-	-	-
			Egn of motion under a central force	-	-	-	-	-	-	-	-	-
Dec	3 rd	5	Kepler's Laws Motion of Satellites	Satellite working	-	-	-	-	-	-	-	-
			GPS weightlessness,	-	will be shown in youtube videos	1	Yes	-	-	-	-	-

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CURRICULUM LECTURER WISE 2019 - 2020 2021-2022

ANNUAL CURRICULAR					PLAN I (Year)								
NAMR OF THE LECTURER P. SIVA KUMARI					CLASS : P.B.Sc (MPC) Semester : I				Paper : I Mechanics, waves & Oscillations				
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	
			physiological effects of Astronauts	-	-	-	-	-	-	-	-	-	-
			UNIT-III Introduction to relativity	-	will be shown in youtube	1	Yes	-	-	-	-	-	-
			Galilean transformations Absolute frames	-	-	-	-	-	-	-	-	-	-
Dec	4 th	5	postulates of Special theory of relativity	-	-	-	-	-	-	-	-	-	-
			Michelson's-Morley experiment	-	-	-	-	-	-	-	-	-	-
			Negative Result Lorentz transformations	Twin paradox	-	-	-	-	-	-	-	-	-

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ANNUAL CURRICULAR					PLAN (Year)									
NAMR OF THE LECTURER P. SIVA KUMARI					CLASS : I B.Sc (MPC)				Semester : I		Paper : I Mechanics, waves and oscillations			
MONTH	WEEK	HOURS AVAILABLE	SYLLABUS/ TOPIC	Additional Input/Value Addition Provided/ Taught	CURRICULAR ACTIVITY				CO-CURRICULAR ACTIVITY					
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			Time dilation, Length contraction	-	-	-	-	-	-	-	-	-	-	
Jan	1 st	5	Variation of mass with velocity	-	Guest lecture	1	Yes	-	Guest lecture by Mr. Paul Divakar	-	-	-	-	
			Einstein mass-Energy relation	-	-	-	-	-	on Effects of Mobile phones on Environment	2hrs	Yes	-	-	
			UNIT-IV Simple harmonic oscillator and	Lissajous figures	-	-	-	-	-	-	-	-	-	
			Solution, Damped harmonic oscillator	-	-	-	-	-	-	-	-	-	-	
			Forced harmonic oscillator	-	-	-	-	-	-	-	-	-	-	

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ANNUAL CURRICULAR					PLAN (Year)								
NAMR OF THE LECTURER					CLASS :		Semester :		Paper :				
P. SIVA KUMARI					I B.Sc (MPC)		I		I Mechanics, waves & oscillations				
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	3 rd	3	Resonance, Logarithmic decrement	-	-	-	-	-	-	-	-	-	-
			Relaxation time & Quality factor	-	-	-	-	-	-	-	-	-	-
Jan	4 th	5	^(a) Coupled oscillators, Introduction	-	-	-	-	-	-	-	-	-	-
			two coupled oscillators	-	-	-	-	-	-	-	-	-	-
			Normal coordinates and normal modes	-	-	-	-	-	-	-	-	-	-
Feb	1 st	5	^(A) vibrating strings - Introduction	-	-	-	-	-	-	Quiz	1	Yes	-

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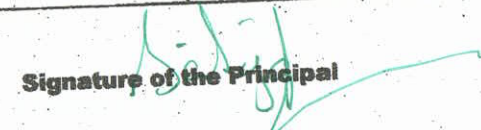
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CURRICULUM LECTURER WISE 2019 - 2020 2021-2022

ANNUAL CURRICULAR					PLAN (Year)								
NAMR OF THE LECTURER P. SIVA KUMARI					CLASS : <u>I B.Sc (MPC)</u> Semester : <u>I</u>				Paper : <u>I Mechanics, waves & oscillations</u>				
MONTH	WEEK	HOURS AVAILABLE	SYLLABUS/ TOPIC	Additional Input/Value Addition Provided/ Taught	CURRICULAR ACTIVITY				CO- CURRICULAR ACTIVITY				
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			transverse wave propagation along a stretched string	Determination of wavelength of ultrasonics	-	-	-	-	-	-	-	-	-
			General solution wave equation	-	-	-	-	-	-	-	-	-	-
			and it's significance	-	-	-	-	-	-	-	-	-	-
Feb	2 nd	4	Modes of vibration of stretched string	-	-	-	-	-	-	-	-	-	-
			clamped at both the ends	-	-	-	-	-	-	-	-	-	-
			overtones and harmonics	-	-	-	-	-	-	-	-	-	-

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CURRICULUM LECTURER WISE 2019 - 2020 2021-2022

ANNUAL CURRICULAR					PLAN I (Year)								
NAMR OF THE LECTURER P. SIVA KUMARI					CLASS : I B.Sc (MPC) Semester : I				Paper : I- Mechanics, waves & oscillations				
MONTH	WEEK	HOURS AVAILABLE	SYLLABUS/ TOPIC	Additional Input/Value Addition Provided/ Taught	CURRICULAR ACTIVITY				CO- CURRICULAR ACTIVITY				
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Feb	3 rd		SEM-I MID-I Exams	-	-	-	-	-	-	-	-	-	-
Feb	4 th	5	s. ultrasonics - Introduction	-	-	-	-	-	-	-	-	-	-
			General properties of ultrasonic waves	-	-	-	-	-	-	-	-	-	-
			properties of ultrasonics by	-	-	-	-	-	-	-	-	-	-
			Magnetostriction method	-	-	-	-	-	-	-	-	-	-
March	1 st	4	piezo electric method	-	-	-	-	-	-	-	-	-	-

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ANNUAL CURRICULAR					PLAN I (Year)								
NAMR OF THE LECTURER P. SIVA KUMARI					CLASS : I B. SEMPER Semester : I				Paper : I & Oscillations Mechanics, waves				
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	
			Detection of Ultrasonics	-	-	-	-	-	-	-	-	-	-
			Applications of Ultrasonics, SONAR	-	-	-	-	-	-	-	-	-	-
March	2 nd	4	UNIT-I & II problems	-	-	-	-	-	Seminar	1	Yes	-	-
March	3 rd	4	UNIT-III, IV problems Explanation.	-	-	-	-	-	Group discussion	1	NO	April 2 nd week	-
				-	-	-	-	-	-	-	-	-	-
March	4 th	4	UNIT-V problems Explanation.	-	-	-	-	-	Debate	1	NO	April 1 st week	-
				-	-	-	-	-	-	-	-	-	-
				-	-	-	-	-	-	-	-	-	-
				-	-	-	-	-	-	-	-	-	-

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CURRICULUM LECTURER WISE 2022-2023

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ANNUAL CURRICULAR					PLAN (Year)								
NAME OF THE LECTURER: K. SIRISHA					CLASS: IB.Sc		Semester: I		Paper: SD 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	
Nov	1 st	2	UNIT-I Introduction to electricity voltage current	PMMC Voltmeter, PMMC voltmeter	-	-	-	-	-	-	-	-	-
	2 nd	2	Resistance, Capacitance, ohm's law	Uses for DC measurement	Youtube videos will be shown	1	Yes	-	-	-	-	-	-
			Series and Parallel combinations of resistors.	-	-	-	-	-	-	-	-	-	-
	3 rd	2	Electrical conductivity, Semiconductors, Insulators	-	will be shown PPTS	1	Yes	-	-	-	-	-	-
		Galvanometer	-	-	-	-	-	-	-	-	-	-	
	4 th	2	Voltmeter, Ammeter	-	-	-	-	-	-	-	-	-	-

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CURRICULUM LECTURER WISE 2021-22

ANNUAL CURRICULAR					PLAN (Year)								
NAME OF THE LECTURER: K-SIRISHA					CLASS: I B.Sc		Semester: T		Paper: S.D				
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	2	Multimeter, Transformers	-	Demonstrate by using Practical devices	01	Yes	-	-	-	-	-	✓
	2 nd	2	mid examina tions	-	-	-	-	-	-	-	-	-	-
	3 rd	2	cultural week	-	-	-	-	-	-	-	-	-	-
	4 th	2	Electrical energy Power, kilowatt hour (kwh)	-	-	-	-	-	-	-	-	-	-
	5 th	2	unit-II introduc tion, Direct current	RMS value of sine wave	will be shown you tube videos	01	Yes	-	-	-	-	-	-
			current	Average value of sine wave	-	-	-	-	-	-	-	-	-

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SIR C.R.REDDY COLLEGE FOR WOMEN, ELURU
CURRICULUM LECTURER WISE 2021-22

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ANNUAL CURRICULAR					PLAN (Year)								
NAME OF THE LECTURER					CLASS		Semester		Paper				
K. SIRISHA					I B.Sc		I		I S.D				
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	
			Alternating current, RMS and Peak values, Power factor, single phase connection	Instantaneous value, Peak factor	-	-	-	-	-	-	-	-	-
Jan	1 st	2	Three phase connections, star & delta connection	wave form Frequency Amplitude	will be shown in ppt's	01	Yes	-	-	-	-	-	-
			Basics of house wiring		-	-	-	-	-	-	-	-	-
	2 nd	2	Electric shock first aid for electric shock	Different types of electrical wiring	will be shown youtube videos.	01	Yes	-	-	-	-	-	-
			over loading earthing and its necessity	star system	-	-	-	-	-	-	-	-	-

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CURRICULUM LECTURER WISE 2021-22

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ANNUAL CURRICULAR					PLAN (Year)								
NAME OF THE LECTURER K. SIRISHA					CLASS : I B.Sc		Semester : I		Paper : I S-D				
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	
	3 rd	2	Pongal vacation	-	-	-	-	-	-	-	-	-	-
	4 th	2	short circuiting fuses, MCB, ELCB	Battering Batten wiring (TIS and TRS) wiring	will be shown PPTs	01	Yes	-	-	-	-	-	-
	5 th	2	Insulation, Inverter and UPS	Types of conduct	-	-	-	-	-	-	-	-	-
Feb	1 st	2	unit-III Introduction, principles of working parts	steps involved in servicing	will be shown you tube videos.	01	Yes	-	-	-	-	-	-
			and servicing of electric fan, electric shaver	of an electric fan	-	-	-	-	-	-	-	-	-
			Box, water heater, Induction heater	-	-	-	-	-	-	-	-	-	-

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SIR C.R.REDDY COLLEGE FOR WOMEN, ELURU

CURRICULUM LECTURER WISE 2021-22

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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				
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Feb	2 nd	2	microwave oven, Refrigerator	Fault and cause of immersion heater	will be shown PPT's	01	Yes	-	-	-	-	-	-
Feb	3 rd	2	concept of illumination, electric bulbs, CFL and LED lights	-	-	-	-	-	-	-	-	-	-
Feb	3 rd	2	Energy efficient appliances, IS codes, IE codes	codes,	will be shown you tube videos	01	Yes	-	-	-	-	-	-

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ANNUAL CURRICULAR					PLAN II (Year)								
NAMR OF THE LECTURER: B. DURGA PRASANNA					CLASS: II MPC; II MPC-I Semester: III Paper: III Heat and Thermodynamics								
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	
			Kinetic theory of gases Introduction	-	-	-	-	-	-	-	-	-	-
Nov	4 th	5+2	Maxwell's law of distribution of molecular velocities and its experimental verification, Mean free path, Degrees of freedom.	-	-	-	-	-	-	-	-	-	-
			Principle of Equipartition of energy, Transport phenomena in ideal gas, viscosity, Thermal conductivity and diffusion of Gases.	Gas laws Ideal gas equation Conduction, conductivity explanation	-	-	-	-	-	-	-	-	-
					-	-	-	-	Student Seminars	1	Yes	-	-
Dec	1 st	5	Thermodynamics Isothermal & Adiabatic process, Reversible and Irreversible process, Carnot's Engine and its efficiency, Carnot's theorem, Thermodynamic Scale of temperature.	-	-	-	-	-	-	-	-	-	-
					-	-	-	-	-	-	-	-	-
					will be show ppt	1	Yes	-	-	-	-	-	-
					-	-	-	-	-	-	-	-	-

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ANNUAL CURRICULAR					PLAN II (Year) Heat and Thermodynamics								
NAMR OF THE LECTURER B. Durgaprasanna					CLASS : II MPC Semester : III				Paper : III				
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	
			and its identity with perfect gas scale, Second law	-	-	-	-	-	-	-	-	-	-
	2 nd	5	of thermodynamics kelvin's & Clausius statements.	-	-	-	-	-	-	-	-	-	-
			Principle of Entropy, Physical significance	-	will be show Youtube video	1	Yes	-	-	-	-	-	-
			change in Entropy in reversible & irreversible process	-	-	-	-	-	-	-	-	-	-
			Entropy and its order. Entropy of Universe	-	-	-	-	-	Quiz	1	Yes	-	-
	3 rd	5	Temperature - Entropy (T-s) diagram and its uses.	-	will be show Youtube video	1	Yes	-	-	-	-	-	-
			change in Entropy when ice changes into steam.	-	-	-	-	-	-	-	-	-	-
			Thermodynamic potentials - Internal Energy, Enthalpy,	-	will be show ppt	1	Yes	-	-	-	-	-	-
			Helmholtz Free Energy, Gibbs free energy and their significance.	-	-	-	-	-	-	-	-	-	-

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B. Durgaprasanna

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ANNUAL CURRICULAR					PLAN II (Year)								
NAME OF THE LECTURER					CLASS : II HPC				Semester : III				
B. Durga prasanna					Head of Thermodynamics				Paper : III				
MONTH	WEEK	HOURS AVAILABLE	SYLLABUS/ TOPIC	Additional Input/Value Addition Provided/ Taught	CURRICULAR ACTIVITY				CO-CURRICULAR ACTIVITY				
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			Derivation of Maxwell's thermodynamic relations from	-	will be show ppt	1	yes	-	-	-	-	-	-
			thermodynamic potentials, Applications to fill Clausius-clay-	-	-	-	-	-	-	-	-	-	-
	4 th	5+2	Person's Equation (ii) Value of $C_p - C_v$ (iii) value of C_p / C_v	-	-	-	-	-	-	-	-	-	-
			(iv) Joule - kelvin Coefficient for ideal gases.	-	-	-	-	-	-	-	-	-	-
			Methods for producing very low temperature, Joule kelvin effect.	-	-	-	-	-	-	-	-	-	-
			Porous plug experiment, Joule expansion.	-	will be show ppt	4	yes	-	-	-	-	-	-
Jan	1 st	5	Distinction b/w adiabatic & Joule Thomson Expansion,	-	-	-	-	-	-	-	-	-	-
			Expression for Joule Thomson cooling	-	-	-	-	-	-	-	-	-	-
			Liquefaction of air by Linde's method.	-	will be show youtube video	1	yes	-	-	-	-	-	-

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CURRICULUM LECTURER WISE 2018 - 2020

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NAME OF THE LECTURER					CLASS : <u>II MPC</u> <u>II MP4-I</u>				Semester : <u>III</u>			
					CURRICULAR ACTIVITY				CO-CURRICULAR ACTIVITY			
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
Jan	1st	5	Production of low temperatures by adiabatic demagnetization, practical applications of substances at low temperatures.	-	will be show youtube	1	yes	-	-	-	-	-
	3rd	5	Low temperatures.	Low temperature basics	-	-	-	-	-	-	-	-
			Black body and its spectral energy distribution of black body radiation	-	-	-	-	-	-	-	-	-
			Wien's displacement law, Stefan-Boltzmann's law and Kirchhoff's law,	-	-	-	-	-	-	-	-	-
			Rayleigh-Jeans law, Planck's law of black body radiation	-	-	-	-	-	-	-	-	-
	4th	5	Derivation, Deduction of Wien's law and Rayleigh-Jeans law from Planck's law.	-	will be show ppt	1	yes	-	-	-	-	-
				-	-	-	-	-	-	-	-	-
				-	-	-	-	-	-	-	-	-

Signature of the Lecturer

B. Durga prasanna

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ANNUAL CURRICULAR					PLAN II (Year)							
NAME OF THE LECTURER B. Durga prasanna					CLASS : <u>II MPC</u> <u>II MPC-I</u>			Semester : <u>III</u>		Heat & Thermodynamics		
					CURRICULAR ACTIVITY				CO-CURRICULAR ACTIVITY			
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
Feb	1st	5	Stoan constant and its determination using Angstrom pyro-helometer. Estimation of surface temperature of Sun.	-	will be show youtube video	4	yes	-	-	-	-	-
				-	-	-	-	-	-	-	-	-
				-	-	-	-	-	-	-	-	-
				-	-	-	-	-	-	-	-	-
				-	-	-	-	-	-	-	-	-

Signature of the Lecturer
B. Durga prasanna

Signature of the HOD
K. S. S. S. S.

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K. S. S. S. S.

Nov - 19th to Feb 18th

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

ANNUAL CURRICULAR

PLAN II (Year)

NAMR OF THE LECTURER B.DURGA PRASANNA					CLASS : <u>II BSc - II</u> Semester : <u>III</u> Paper : <u>Environmental Education (EE)</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		
Nov	3 rd	2	Environmental and Natural Resources Multidisciplinary nature of Environmental Education	-	-	-	-	-	-	-	-	-	-	-
			Scope and importance Man as an integral product and part of the nature.	-	-	will be show ppt	1	yes	-	-	-	-	-	-
	4 th	2	A brief account of land, Forest and water resources in India and their importance.	-	-	will be show youtube video	1	yes	-	-	-	-	-	-
			Bio diversity- Definition, Importance of Biodiversity, ecological, consumptive, productive,	-	-	-	-	-	-	-	-	-	-	-
			social ethical and moral, aesthetic, and option value.	-	-	-	-	-	-	-	-	-	-	-

Signature of the Lecturer
B. Durga Prasa

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

ANNUAL CURRICULAR					PLAN II (Year)								
NAMR OF THE LECTURER B. Durga Prasanna					CLASS : II MSC - II Semester : III				Paper : E.E				
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	2	Levels of Biodiversity, genetic, Species and Eco system diversity.	-	-	-	-	-	-	-	-	-	-
			Environmental degradation and impacts	-	will be show ppt	1	yes	-	-	-	-	-	-
			Human population growth and its impacts on environment, land use change,	-	-	-	-	-	-	-	-	-	-
			land degradation, soil erosion and desertification.	-	-	-	-	-	-	-	-	-	-
	2 nd	2	Use and over Exploitation of surface and ground water,	-	-	-	-	-	-	-	-	-	-
			Construction of dams, floods, Conflicts over	-	will be show youtube video	1	yes	-	-	-	-	-	-
			water (within India)	-	-	-	-	-	-	-	-	-	-

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B. Durga Prasanna

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ANNUAL CURRICULAR

PLAN II (Year)

Environmental Education.

CLASS : II MScy - II Semester : III

Paper : E.E

NAMR OF THE LECTURER

B. Durga prasanna

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	
	3 rd	2	Deforestation, causes and effects due to Expansion of agriculture, fire wood, mining forest fires and building of new habitats.	-		will be show ppt	2	yes	-	-	-	-	-
			Non-renewable Energy resources, their utilization and influences.	Renewable Energy Sources	-	-	-	-	-	-	-	-	-
	4 th	2	A brief account of air, water, soil and noise pollution. Biological, industrial and solid wastes in urban areas. Human health and economic risks. Green house effects Global warming	-									
					-	-	-	-	-	-	-	-	-
					-	-	-	-	-	-	-	-	-
					-	will be show ppt	2	yes	-	-	-	-	-

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B. Durga prasa

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

ANNUAL CURRICULAR					PLAN II (Year)								
NAME OF THE LECTURER: B. Durga prasanna					CLASS: II MSC - II Semester: III				Environmental Education Paper: E-E				
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	1 st	2	Ocean acidification Ozone layer depletion	-	will be show Youtube video	1	yes	-	-	-	-	-	-
			acid rains and impacts on human communities and agriculture.	-	-	-	-	-	-	-	-	-	-
			Threats to biodiversi- ty, Natural calamities	-	-	-	-	-	-	-	-	-	-
			habitat destruction, and fragmentation	-	-	-	-	-	-	-	-	-	-
	3 rd	2	over Exploitation, hunting and poaching,	-	will be show ppt	1	yes	-	-	-	-	-	-
			introduction of Exotic species, pollution	-	-	-	-	-	-	-	-	-	-
			Predator and pest Control.	-	-	-	-	-	-	-	-	-	-
			Conservation of Environment Concept of sustainability and sustainable development with	-	will be show youtube Video	1	yes	-	-	-	-	-	-
				-	-	-	-	-	-	-	-	-	-

Signature of the Lecturer

B. Durga prasanna

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ANNUAL CURRICULAR					PLAN II (Year)							
NAME OF THE LECTURER					CLASS : B.A. POLS - II Semester : III							
					CURRICULAR ACTIVITY				CO-CURRICULAR ACTIVITY			
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
			judicious use of land water and forest resources, a forestation	-	-	-	-	-	-	-	-	-
	4 th	2	Control measures for various types of pollution, use of renewable and alternate sources of energy.	-	will be show youtube video	1	yes	-	-	-	-	-
			Solid waste management,	-	-	-	-	-	-	-	-	-
			Control measures of urban and industrial waste.	-	-	-	-	-	-	-	-	-
Feb	1 st	2	Conservation of biodiversity, In-situ,	-	will be show ppt	1	yes	-	-	-	-	-
			and ex-situ conservation of biodiversity.	-	-	-	-	-	-	-	-	-
			Environmental laws, Environment protection Act, Act-wild life protection Act,	-	will be show ppt	1	yes	-	-	-	-	-
				-	-	-	-	-	-	-	-	-

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B. Durga prasanna

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ANNUAL CURRICULAR					PLAN II (Year)								
NAME OF THE LECTURER B. Durga prasanna					CLASS : IIMSC-II Semester : III				Environmental Education 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	
	2nd	2	Forest conservation Act.	-	will be show ppt	1	yes	-	-	-	-	-	-
			International agreements, Montreal and Kyoto protocols, Environmental movements, Bishnais of Rajasthan, Chitto, silent valley.	-	-	-	-	-	-	-	-	-	-
				-	-	-	-	-	-	-	-	-	-
				-	-	-	-	-	-	-	-	-	-
				-	-	-	-	-	-	-	-	-	-
				-	-	-	-	-	-	-	-	-	-
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				-	-	-	-	-	-	-	-	-	-
				-	-	-	-	-	-	-	-	-	-

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B. Durga prasanna

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K. Sangeetha

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K. Sangeetha

ANNUAL CURRICULAR					PLAN (Year)								
NAME OF THE LECTURER <i>k. srisila</i>					CLASS : <i>III B.Sc</i>			Semester : <i>V</i>		Paper : <i>VA Electricity magnetism & electronics</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>oct</i>	<i>1st</i>	<i>4</i>	<i>Unit-I - Gauss's law statement and its proof</i>	<i>charge, positive charge & negative charge</i>	-	-	-	-	-	-	-	-	-
			<i>Electric field intensity due to 1. unifor</i>	-	-	-	-	-	-	-	-	-	-
			<i>only charged sphere and 2. an infinite conducting sheet of charge</i>	<i>Electric flux</i>	-	-	-	-	-	-	-	-	-
<i>oct</i>	<i>2nd</i>	<i>4</i>	<i>Electric potential equipotential surfaces, Potential due to 1) a Point charge 2) charged spherical shell, electric dipole moment and molecular polarizability</i>	<i>Potential definition with example</i>	<i>will be shown PPT's</i>	<i>1</i>	<i>yes</i>	-	-	-	-	-	-
					-	-	-	-	-	-	-	-	-
					-	-	-	-	-	-	-	-	-
					-	-	-	-	-	-	-	-	-

Signature of the Lecturer
k. srisila

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k. srisila

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ANNUAL CURRICULAR					PLAN (Year)								
NAMR OF THE LECTURER K.SIRISHA					CLASS III B.Sc			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	
oct	3 rd	4	DUSSARA Holidays		-	-	-	-	-	-	-	-	-
oct	4 th	10	electric displacement D, electric	Dielectric atomic view	-	-	-	-	-	-	-	-	-
			Polarization p - relation between	Non polar dielectrics in an electric field	-	-	-	-	-	-	-	-	-
			D, E and P-Dielectric constant and	Types of Polarization & Polarizabilities	-	-	-	-	-	-	-	-	-
			susceptibility, Boundary conditions at the dielectric		-	-	-	-	-	-	-	-	-
			surface, <u>unit-II</u> Biot-savart's		-	1	yes	-	-	-	-	-	-
			law, Explanation and calculations		-	-	-	-	-	-	-	-	-
			of B due to long straight wire,		-	-	-	-	-	-	-	-	-
			a circular loop and solenoid		-	-	-	-	-	-	-	-	-

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K. Sirisha

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ANNUAL CURRICULAR					PLAN (Year)							
NAMR OF THE LECTURER					CLASS			Semester		Paper		
K. SIRISHA					III B.Sc			IV		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	1st	5	Hall effect, determination of Hall coefficient and applications	-	-	-	-	-	Seminar	1	Yes	-
			Faraday's law - self and mutual inductance, coefficient of coupling, calculation of self inductance of a long solenoid	-	-	-	-	-	-	-	-	-
			and mutual inductance, coefficient of coupling, calculation of self inductance of a long solenoid	-	-	-	-	-	-	-	-	-
			Inductance of a long solenoid	-	-	-	-	-	-	-	-	-
Nov	2nd		Mid-I exams & CRT classes	-	-	-	-	-	-	-	-	-
Nov	3rd	5	Energy stored in magnetic field	Magnetic field, Magnetic flux	-	-	-	-	will be shown PPT's	Debate	1	Yes
			Transformer, Energy losses	Induced e.m.f, change of Magnetic flux	-	-	-	-	-	-	-	-

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ANNUAL CURRICULAR					PLAN (Year)								
NAMR OF THE LECTURER <u>K. SIRISHA</u>					CLASS : <u>III B.Sc</u> Semester : <u>V</u>				Paper : <u>VA</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	
			efficiency, Alternating current,	-	-	-	-	-	-	-	-	-	-
			Relation between current and voltage in LR and CR circuits, vector diagrams, LCR series circuit	coefficient of coupling	-	-	-	-	-	-	-	-	-
			series circuit	-	-	-	-	-	-	-	-	-	-
Nov	4 th	7 th	LCR Parallel resonant circuit,	-	will be shown Youtube video	-	-	-	-	-	-	-	-
			Q-factor, power in AC circuits	conduction current	-	-	-	-	-	-	-	-	-
			Idea of displacement current, Maxwell's equations	-	-	-	-	-	-	-	-	-	-
			Maxwell's wave equation	velocity of electromagnetic waves	-	-	-	-	-	-	-	-	-
					-	-	-	-	-	-	-	-	-

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SIR C.R.REDDY COLLEGE FOR WOMEN. ELURU
CURRICULUM LECTURER WISE 2021-22

ANNUAL CURRICULAR					PLAN (Year)							
NAMR OF THE LECTURER					CLASS : III B.Sc			Semester : V		Paper : IA		
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	4	Poynting Theorem, production of electromagnetic waves	Poynting Theorem Proof	-	-	-	-	Group discussion	1	Yes	-
		Unit-III	PN junction diode,	Semiconductor and its examples	will be shown PPT'S	-	-	-	-	-	-	-
			Zener diode	Doping, and its configurations	-	-	-	-	-	-	-	-
Dec	2 nd	4	I-V characteristics, PNP and NPN transistors	-	-	-	-	-	Quiz	1	Yes	-
			CB, CE and CC configurations, Relation between α , β and V	-	will be shown Youtube video	-	-	-	-	-	-	-
				-	-	-	-	-	-	-	-	-

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K. Sirisha

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SIR C.R.REDDY COLLEGE FOR WOMEN. ELURU
CURRICULUM LECTURER WISE 2021-22

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	3 rd	2	Transistor (CE) characteristics	-	-	-	-	-	-	-	-	-	-
			transistor as an amplifier	-	-	-	-	-	-	-	-	-	-
Dec	4 th	4	Unit - IV Number systems	Generation Processing	will be shown PPT's	-	-	-	-	-	-	-	-
			more examples	-	-	-	-	-	-	-	-	-	-
Jan	1 st	3	Conversion of binary to decimal system	conversion of Hexa to octa, octa	-	-	-	-	-	-	-	-	-
			and vice versa	to Hexa decimal	-	-	-	-	-	-	-	-	-

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K. S. Sirisha

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SIR C.R.REDDY COLLEGE FOR WOMEN, ELURU
CURRICULUM LECTURER WISE 2021-22

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	
Jan	2 nd		Pongal vacation upto 18/1/22				-	-					
Jan	3 rd	1	Binary subtraction (2's complement method)	-			-	-					
			complement method)	-			-	-					
Jan	4 th	3	Laws of Boolean algebra, DeMorgan's laws	-			-	-					
			laws	-			-	-					
Feb	1 st	4	Statement and proof, Basic	-			-	-					

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 k. s. sirisha

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 k. s. sirisha

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SIR C.R.REDDY COLLEGE FOR WOMEN, ELURU
CURRICULUM LECTURER WISE 2021-22

ANNUAL CURRICULAR					PLAN (Year)								
NAMR OF THE LECTURER					CLASS :	Semester :	Paper :						
K. SIRISHA					III B.Sc	V	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	
			logic gates, NAND and NOR as Universal	-	will be demonstrate in lab	-	-	-	-	-	-	-	-
			gates, exclusive OR-gate,	-	-	-	-	-	-	-	-	-	-
			Half adder and Full adder	-	-	-	-	-	-	-	-	-	-

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ANNUAL CURRICULAR					PLAN (Year)								
NAMR OF THE LECTURER					CLASS : <u>PHYSICS</u> Semester : <u>V</u> Paper : <u>PHYSICS VB</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	
NOV	2 nd		CRT clameg.	-	-	-	-	-	-	-	-	-	-
			-	-	-	-	-	-	-	-	-	-	-
	3 rd		I Mid Examg.	-	-	-	-	-	-	-	-	-	-
			Basic postulates of	-	-	-	-	-	-	-	-	-	-
	4 th	5hrs	Quantum Mechanics, Schro dinger time independent & time dependent wave equations. Physical significance of y	-	-	-	-	-	-	Seminar on	01	Yes	-
			Eigen functions & values, Particle in 1-D potential box.	3D Box. tunnelling effect	-	-	-	-	-	Raman effect	-	-	-
Dec	1 st	4hrs	Basic ideas of nucleus;	-	-	-	-	-	-	-	-	-	-
	2 nd	4hrs	Binding Energy, Liquid drop Model	-	-	-	-	-	-	Debate	01	Yes	-

Signature of the Lecturer
M. Jaya

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ANNUAL CURRICULAR					PLAN (Year)								
NAMR OF THE LECTURER M. JAYA LAKSHMI DEVI					CLASS : III M.P.C.E.M.P.S Semester : V				Paper : PHYSICS DP				
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	
Oct	1 st	4hrs	Introduction of AMP, Drawbacks of Bohr's Atomic Model.	-	-	-	-	-	-	-	-	-	-
			vector Atom Model. Quantum numbers.	-	1	-	-	-	-	-	-	-	-
	2 nd	2hrs	Stem gerlach expt. L-S & j-j coupling Schemy	Spectral term & notations.	-	-	-	-	-	-	-	-	-
	3 rd	3hrs	Zeeman effect, Raman effect,	selection & Intensity Rules,	Youtube video's	1	Yes	-	-	-	-	-	-
			experimental arrangement,	-	will be shown	-	-	-	-	-	-	-	-
	4 th	4hrs	Quantum Theory & Applications of Raman effect.	-	-	-	-	-	-	-	-	-	-
			de- Broglie's hypothesis, wave length of matter wave Properties.	photo electric effect & Compton effect	Youtube video's will be shown,	1	Yes	-	-	-	-	-	-
NOV	1 st	3hrs	Davission & Germer experiment,	-	-	-	-	-	-	-	-	-	-
			Heisenberg's uncertainty principle.	-	-	-	-	-	-	-	-	-	-

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M. Jaya Lakshmi Devi

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ANNUAL CURRICULAR					PLAN (Year)								
NAMR OF THE LECTURER: M. Jaya lakshmi Devi					CLASS: III M.P.C.E.C				Semester: V		Paper: PHYSICS V		
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	2 nd		Shell Model, Magic numbers.	Nuclear detectors	-	-	-	-	-	-	-	-	-
	3 rd		Cultural's	-	-	-	-	-	-	-	-	-	-
			α -decay.	-	-	-	-	-	-	-	-	-	-
	4 th	4hrs	Gamow's Theory of α -decay, β -decay	Nuclear fission, fusion & Reactor	You tube videos will be shown	01	yes	-	Group Discussion	01	yes	-	-
			Energy kinematics neutrino hypothesis	-	-	-	-	-	-	-	-	-	-
Jan	1 st	4hrs	Amorphous & crystalline materials, unit cell,	Magnetic materials	-	-	-	-	-	-	-	-	-
			Miller indices, reciprocal lattice,	-	-	-	-	-	Quiz	01	yes	-	-
	2 nd		Pongal holidays	-	-	-	-	-	-	-	-	-	-
	3 rd		Types of lattice, X-ray diffraction	Lattice constant determination	You tube videos will be shown	1	Yes	-	-	-	-	-	-

Signature of the Lecturer
 M. Jaya

Signature of the HOD
 K. S. S. S.

Signature of the Principal
 [Signature]

ANNUAL CURRICULAR					PLAN (Year)								
NAMR OF THE LECTURER M. JAYA LAKSHMI DEVI					CLASS : M.H.P.C.E.R			Semester : 3		Paper : PHYSICS D.B.			
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	
			Bragg's law. Lave's Method	Powder Method	You tube video's	01	Yes	-	-	-	-	-	-
Jan	4 th	3hrs	Introduction to Super conductivity, Experimental facts.	-	will be shown	1	-	-	-	-	-	-	-
			Critical temperature & field.	-	-	-	-	-	-	-	-	-	-
Feb	1 st	4hrs	Meissner effect, Isochore effect,	BCS Theory	-	-	-	-	-	-	-	-	-
			Type I & II Super conductors,	-	-	-	-	-	-	-	-	-	-
			Applications.	-	-	-	-	-	-	-	-	-	-

Signature of the Lecturer

M. Jaya

Signature of the HOD

K. S. S. S. S.

Signature of the Principal

M. Jaya