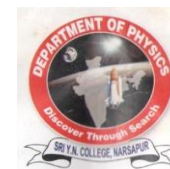




DEPARTMENT OF PHYSICS

DEPARTMENTAL ACADEMIC ACTIVITIES - 2024-2025



Commissionerate of Collegiate Education - A.P.						
DEPARTMENT OF PHYSICS						
DEPARTMENTAL ACADEMIC ACTIVITIES - 2024-2025						
SEMESTERS I/III/V						
S.No	Month	Week	Date	Activity	Class and Topic	Name of the Lecturer
	Aug'24	2 nd	08-08-2024	Assignment	Assignment on Construction and working of a tunnel diode and its applications	K Naveen Kumar
	Aug'24	2 nd	09-08-2024	PPT	PPT on Liquification of Helium – Kapitza's method	M S Ranganayakulu
	Aug'24	2 nd	13-08-2024	Assignment 1	Condition for achromatism for two lenses combination	Dr A P V Appa Rao
	Aug'24	2 nd	13-08-2024	Assignment	Adiabatic demagnetization construction & working	M S Ranganayakulu
	Aug'24	3 rd	19-08-2024	Assignment	Assignment on Pyrheliometer	P Ramakrishna Rao
	Aug'24	3 rd	22-08-2024	Conference	Attended the staff member International Conference ICSMA 2024 at Mandapeta, E.G.Dt., A.P	Dr L Malleswara Rao
			23-08-2024	Assignment	Assignment on Block diagram of operational Amplifier. Types of feedback amplifiers	V Durga Sandhya
	Aug'24	4 th	24-08-2024	Assignment	Carnot's Engine – Efficiency	Dr L Malleswara Rao
	Aug'24	4 th	27-08-2024	Assignment 2	Minimisation methods of spherical aberrations	Dr A P V Appa Rao
	Aug'24	4 th	27-08-2024	PPT	Carnot's Engine & Efficiency	Dr L Malleswara Rao
	Aug'24	4 th	27-08-2024	Seminar	Seminar on Vapour pressure thermo meters	M S Ranganayakulu
	Aug'24	4 th	28-08-2024	Seminar	Seminar on Spectral distribution of Solar radiation	P Ramakrishna Rao
	Aug'24	4 th	29-08-2024	Assignment	Assignment on Solar pond	P Ramakrishna Rao
	Aug'24	4 th	30-08-2024	MOU	Visited KL University, Vaddeswaram and taken MOU from KL University, Vaddeswaram, Guntur.	Dr L Malleswara Rao
	Aug'24	4 th	30-08-2024	MOU	Visited and taken MOU from KBN College, Vijayawada	Dr L Malleswara Rao
	Aug'24	4 th	30-08-2024	Assignment	Assignment on Magnetic Thermometers for III MPCs	M S Ranganayakulu
	Aug'24	4 th	31-08-2024	Assignment	Assignment on the working of PNP and NPN transistors	K Naveen Kumar
	Sep'24	1 st	04-09-2024	Assignment	Assignment on Achromatism for two lenses when in contact and separated by a distance.	Ch Sundar Singh

	Sep'24	1 st	05-09-2024	Assignment	Assignment on liquid heating type FPC	P Ramakrishna Rao
	Sep'24	1 st	06-09-2024	MOU	Visited and taken MOU from SVKP & Dr KS Raju Arts and Science College, Penugonda and DNR Govt. Degree College, Palakol	Dr L Malleswara Rao
	Sep'24	1 st	06-09-2024	Assignment	Assignment on Applications of op-amp. Differentiator and integrator CMRR.	V Durga Sandhya
	Sep'24	2 nd	11-09-2024	Assignment	Assignment on construction and working of SCR	K Naveen Kumar
	Sep'24	2 nd	12-09-2024	Semester 1	Monochromatic aberrations	Dr A P V Appa Rao
	Sep'24	2 nd	12-09-2024	Assignment	Thermodynamic Equation	Dr L Malleswara Rao
	Sep'24	2 nd	13-09-2024	Assignment	Assignment on Vapour Compression refrigeration	M S Ranganayakulu
	Sep'24	2 nd	14-09-2024	Seminar	Seminar on Vapour absorption refrigeration	M S Ranganayakulu
	Sep'24	3 rd	19-09-2024	Seminar	Thermodynamic Equation	Dr L Malleswara Rao
	Sep'24	3 rd	19-09-2024	PPT	PPT on the behaviour of p-n junction diode under forward and reverse bias connections	K Naveen Kumar
	Sep'24	4 th	23-09-2024	Assignment 3	Fresnel's Biprism experiment	Dr A P V Appa Rao
	Sep'24	4 th	23-09-2024	PPT	Joule – Thomson effect	Dr L Malleswara Rao
	Sep'24	4 th	23-09-2024	Assignment	Assignment on Michelson's Interferometer	Ch Sundar Singh
	Sep'24	4 th	24-09-2024	Semester 2	Newton's Rings experiment	Dr A P V Appa Rao
	Sep'24	4 th	26-09-2024	PPT - 1	Michelson's Interferometer	Dr A P V Appa Rao
	Sep'24	4 th	26-09-2024	Assignment	Joule's Kelvin Effect	Dr L Malleswara Rao
	Sep'24	4 th	27-09-2024	PPT	PPT on Michelson's Interferometer	Ch Sundar Singh
	Sep'24	4 th	27-09-2024	Assignment	Assignment on Refrigerator working and its block diagram for III MPCs students	M S Ranganayakulu
	Sep'24	4 th	28-09-2024	Assignment	Assignment on De- Margon's Laws with truth tables NAND and NOR gates	V Durga Sandhya
	Oct'24	1 st	03-10-2024	Semester - 3	Laurent's half shade polarimeter	Dr A P V Appa Rao
	Oct'24	1 st	03-10-2024	Assignment	Assignment on Construction and working of photo transistors	K Naveen Kumar
	Oct'24	1 st	04-10-2024	Assignment	Adiabatic Demagnetisation	Dr L Malleswara Rao
	Oct'24	1 st	04-10-2024	Assignment	Assignment on Fraunhofer diffraction pattern with N slits	Ch Sundar Singh
	Oct'24	1 st	05-10-2024	BOS Meeting	Attended BOS meeting at KBN College, Vijayawada	Dr L Malleswara Rao
	Oct'24	2 nd	08-10-2024	PPT	PPT on refrigerant leakage & detection	M S Ranganayakulu

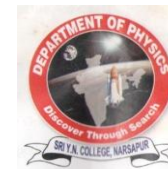
	Oct'24	2 nd	14-10-2024	Assignment	Assignment on Resolving power of grating	Ch Sundar Singh
	Oct'24	3 rd	18-10-2024	Assignment	Assignment on Binary to Grey code concessions	V Durga Sandhya
	Oct'24	3 rd	19-10-2024	BOS Meeting	Attended BOS meeting in DNR College, Bhimavaram	Dr A P V Appa Rao
	Oct'24	3 rd	19-10-2024	BOS Meeting	Attended BOS meeting in virtual mode at DNR College (A), Bhimavaram at 10.30 AM	Dr L Malleswara Rao
	Oct'24	3 rd	21-10-2024	Seminar	Joule Thomson's effect	Dr L Malleswara Rao
	Oct'24	4 th	22-10-2024	Assignment	Assignment on Evacuated Tubular Collector	P Ramakrishna Rao
	Oct'24	4 th	24-10-2024	PPT	Adiabatic Demagnetisation	Dr L Malleswara Rao
	Oct'24	4 th	24-10-2024	PPT	Power Point Presentation on Modes of energy storage	P Ramakrishna Rao
	Oct'24	4 th	24-10-2024	Seminars	Seminar on Hybrid para meters of a transistor and equivalent circuit.	K Naveen Kumar
	Oct'24	4 th	25-10-2024	Seminar	Seminar on methods of minimizing spherical aberration	Ch Sundar Singh
	Oct'24	4 th	25-10-2024	Assignment	Assignment on Multiplier and De-multiplier	V Durga Sandhya
	Oct'24	4 th	26-10-2024	Assignment	Assignment on Super Conducting magnets in MRI	M S Ranganayakulu
	Oct'24	4 th	26-10-2024	PPT	PPT on working of full wave rectifier and expression for its efficiency	K Naveen Kumar
	Oct'24	4 th	28-10-2024	PPT - 2	Ruby and He-Ne Lasers	Dr A P V Appa Rao
	Oct'24	4 th	29-10-2024	Assignment	Kinetic Theory of gases	Dr L Malleswara Rao
	Nov'24	1 st	01-11-2024	Seminar	Seminar on Quarter wave plate and Half wave plate	Ch Sundar Singh
	Nov'24	1 st	02-11-2024	Assignment-4	Fraunhofer diffraction due to single slit	Dr A P V Appa Rao
	Nov'24	1 st	02-11-2024	Seminars	Seminar on D-flip flop and Master solve by S Mounika	V Durga Sandhya
	Nov'24	1 st	04-11-2024	Semester-4	Diffraction grating determination	Dr A P V Appa Rao
	Nov'24	1 st	05-11-2024	Assignment-5	Zone plate components and working	Dr A P V Appa Rao
	Nov'24	1 st	05-11-2024	Seminar	Seminar on D-flipflop and SR Hip flop by B Pavani	V Durga Sandhya
	Nov'24	1 st	06-11-2024	Assignment	Assignment on Li-Ion Battery	P Ramakrishna Rao
	Nov'24	1 st	06-11-2024	PPT	PPT on Encoder and Decoder by B Sahithi	V Durga Sandhya
	Nov'24	1 st	06-11-2024	Assignment	Assignment on working of L-section and pi-section filters	K Naveen Kumar
	Nov'24	2 nd	08-11-2024	Seminar	Seminar on Energy balance equation	P Ramakrishna Rao
	Nov'24	2 nd	08-11-2024	PPT	PPT on working and explanation of logic gates by B Naga Navya	V Durga Sandhya
	Nov'24	2 nd	11-11-2024	Work Shop	One day workshop on “In Vitro Fertilization Technology: Clinical Insights and the Embryologist's	Dr L Malleswara Rao

					Role in Achieving Success” by Dr K Murali Krishna, Clinical Embryologist, Visakhapatnam at PG seminar Hall, 10 AM	
	Nov'24	2 nd	11-11-2024	Work Shop	One day workshop on “ In Vitro Fertilization Technology: Clinical Insights and the Embryologist’s Role in Achieving Success” by Dr K Murali Krishna, Clinical Embryologist, Visakhapatnam at PG seminar Hall, 10 AM	Ch Sundar Singh
	Nov'24	2 nd	11-11-2024	Guest Lecture	Guest Lecture conducted on In vitro Fertilisation Technology (IVF) at 2 PM by Dr K Murali Krishna, Clinical Embryologist, Visakhapatnam	Dr L Malleswara Rao
	Nov'24	2 nd	12-11-2024	Seminar	Seminar on the working of the terminal fixed voltage IC regulator.	K Naveen Kumar
	Nov'24	2 nd	13-11-2024	Assignment	Assignment on He-Ne gas laser	Ch Sundar Singh
	Nov'24	3 rd	18-11-2024	Guest Lecture	Attended and delivered guest lecture at Chamber’s Degree College, Palakol.	Dr A P V Appa Rao
	Dec'24	1 st	03-12-2024	Extension Lecture	Extension Lecture in BR MVM High School, Palakol on 03-12-2024	Dr L Malleswara Rao



DEPARTMENT OF PHYSICS

DEPARTMENTAL ACADEMIC ACTIVITIES - 2024 -2025



Commissionerate of Collegiate Education - A.P.						
DEPARTMENT OF PHYSICS						
DEPARTMENTAL ACADEMIC ACTIVITIES - 2024-2025						
SEMESTERS II/IV/VI						
S.No	Month	Week	Date	Activity	Class and Topic	Name of the Lecturer
	Dec'25	3 rd	16-12-2024	Group Discussion	Group Discussion in the department of physics among the BSc students on the topic "Pyranometer Green house, Solar Cooker.	Dr L Malleswara Rao
	Dec'25	3 rd	18-12-2024	Quiz	Quiz programme is conducted on 18-12-2024 at 2 PM in the department of Physics among the I, II & III year degree students.	All the Staff Members
	Dec'25	3 rd	18-12-2024	Field Trip	Field Trip for the final year degree students for the academic year 2024-2025 at Vasavi ice factory, Narsapur FN of 18 th December'2024.	All the Staff Members
	Jan'25	4 th	23-01-2025	Assignment	Assignment for Course – 9 students on Gauss Law of Electrostatics	M S R Nayakulu
	Jan'25	4 th	24-01-2025	Assignment	Assignment for II BSc Physics Major students	Dr L Malleswara Rao
	Jan'25	4 th	25-01-2025	Assignment	Assignment on Zeman effect	K Naveen Kumar
	Jan'25	4 th	28-01-2025	Assignment	Assignment for II year students on Bhore's atomic theory	Dr A P V Appa Rao
	Jan'25	4 th	30-01-2025	Assignment	Assignment for III B Sc minor on Potential due to point Charge	P Ramakrishna Rao
	Jan'25	4 th	30-01-2025	PPT	Power Point Presentation on Combination of two mutually perpendicular vibrations of same frequency, Lissajous figures	Ch Sundar Singh
	Jan'25	4 th	30-01-2025	Assignment	Assignment on Gauss theorem and Stokes theorem	V Durga Sandhya

					Divergence and curl of a vector field	
	Jan'25	4 th	31-01-2025	PPT	Power Point Presentation conducted for II BSc Physics Major students	Dr L Malleswara Rao
	Jan'25	4 th	31-01-2025	Assignment	Assignment for II BSc Physics Major students	Dr L Malleswara Rao
	Feb'25	1 st	03-02-2025	PPT	Power Point Presentation on Applications of Ultrasonics	Ch Sundar Singh
	Feb'25	1 st	04-02-2025	Career Guidance	Career Guidance conducted on 04-02-2025 for III BSc MPCs students at Physics Class Room.	Dr L Malleswara Rao
	Feb'25	1 st	04-02-2025	ICT	ICT Classes on 04-02-2025 for II BSc Physics Major Students on GM Counter.	Dr L Malleswara Rao
	Feb'25	1 st	05-02-2025		Mentor – Mentee programme conducted for II year students	Dr L Malleswara Rao
	Feb'25	1 st	05-02-2025	Assignment	Assignment on Equation of motion of a Simple Harmonic motion	Ch Sundar Singh
	Feb'25	1 st	06-02-2025	Assignment	Assignment for II year students on Vector atoms model & Quantum numbers associated with it.	Dr A P V Appa Rao
	Feb'25	1 st	06-02-2025	Seminar	Seminar on D, E & P relation between them	M S R Nayakulu
	Feb'25	2 nd	11-02-2025	Seminar	Seminar on Gauss Law	P Ramakrishna Rao
	Feb'25	2 nd	12-02-2025	PPT	Power Point Presentation conducted for II BSc Physics Major students	Dr L Malleswara Rao
	Feb'25	2 nd	13-02-2025	Seminar	Seminar for II year students on Zeeman effect experiment	Dr A P V Appa Rao
	Feb'25	2 nd	13-02-2025	Assignment	Assignment on Kirchoff's Laws	P Ramakrishna Rao
	Feb'25	2 nd	13-02-2025	Assignment	Assignment on Davisson & Gurner experiment	K Naveen Kumar
	Feb'25	4 th	14-02-2025	Assignment	Assignment for II BSc Physics Major students	Dr L Malleswara Rao
	Feb'25	2 nd	15-02-2025	Assignment	Assignment on Derive an equation of Magnetic field due to circular loop current carrying conductors	M S R Nayakulu
	Feb'25	2 nd	15-02-2025	ICT	ICT classes for Major -10 students on Heisenberg uncertainty principle	K Naveen Kumar
	Feb'25	2 nd	17-02-2025	Assignment	Assignment on Precession of the equinoxes and Gyroscope	V Durga Sandhya
	Feb'25	3 rd	17-02-2025 to 19-02-2025	Seminar	Attended National Seminar on “AGSEEN” held from 17 th to 19 th February 2025 Organized by Department of Geophysics, Andhra University, Visakhapatnam and presented a paper.	Dr L Malleswara Rao

	Feb'25	2 nd	18-02-2025	PPT	Power Point Presentation on Wheatstone Bridge	P Ramakrishna Rao
	Feb'25	2 nd	18-02-2025	MOU	MOU with Vasavi Ice Industries for Final Year students	All Staff Members
	Feb'25	3 rd	19-02-2025	Assignment	Assignment on production ultrasonics Magneto friction method	Ch Sundar Singh
	Feb'25	3 rd	20-02-2025	Assignment	Assignment on Stern & Gerlach experiment.	Dr A P V Appa Rao
	Feb'25	3 rd	21-02-2025	Assignment	Assignment on Equation of motion of a Rocket system of variable mass	V Durga Sandhya
	Feb'25	3 rd	25-02-2025	Seminar	Seminar on Molecular Spectroscopy	Dr A P V Appa Rao
	Feb'25	3 rd	25-02-2025 to 04-03-2025	Remedial Class	Remedial classes conducted for 1 week from 25-02-2025 to 04-03-2025.	Dr L Malleswara Rao
	Feb'25	2 nd	25-02-2025	Assignment	Assignment on Biot Savart's Law	P Ramakrishna Rao
	Feb'25	4 th	24-02-2025	Assignment	Assignment for Major-10 students on Raman effect	K Naveen Kumar
	Feb'25	4 th	28-02-2025	Assignment	Assignment for II BSc Physics Major Students	Dr L Malleswara Rao
	Feb'25	4 th	28-02-2025	Seminar	Seminar for II BSc Physics Major Students	Dr L Malleswara Rao
	Feb'25	4 th	28-02-2025	Science Day	National Science Day Organized by Department of Physics	All Staff Members
	Mar'25	4 th	04-03-2025		Mentor – Mentee Programme conducted for II year students	Dr L Malleswara Rao
	Mar'25	1 st	06-03-2025	Assignment	Assignment on Transverse nature of E M waves	P Ramakrishna Rao
	Mar'25	1 st	03-03-2025	Seminar	Seminar on Torsional Pendulum	Ch Sundar Singh
	Mar'25	1 st	03-03-2025	Assignment	Assignment on Prove Kepler's 1 st law	V Durga Sandhya
	Mar'25	1 st	06-03-2025	Assignment	Assignment on Damped Harmonic Oscillator differential equation and solution	Ch Sundar Singh
	Mar'25	1 st	07-03-2025	Assignment	Assignment for II BSc Physics Major Students	Dr L Malleswara Rao
	Mar'25	1 st	07-03-2025	Assignment	Assignment on Lorentz transformations time dilation	V Durga Sandhya
	Mar'25	2 nd	10-03-2025	Seminar	Seminar on Collisions in two and three dimensions	V Durga Sandhya
	Mar'25	2 nd	10-03-2025	ICT	ICT classes on Meissner effect	K Naveen Kumar
	Mar'25	2 nd	11-03-2025	Assignment	Assignment for II year students on Raman effect and quantum theory of Raman effect.	Dr A P V Appa Rao
	Mar'25	2 nd	11-03-2025	Assignment	Assignment on Analysis of Square wave	Ch Sundar Singh
	Mar'25	2 nd	11-03-2025	Seminar	Seminar on self induction of a long Solenoid	M S R Nayakulu

	Mar'25	2 nd	13-03-2025	ICT - 1	ICT for II year students on Davison & Germer experiment	Dr A P V Appa Rao
	Mar'25	2 nd	13-03-2025	PPT	Power Point Presentation on LCR Circuit	P Ramakrishna Rao
	Mar'25	2 nd	13-03-2025	Assignment	Assignment on State Kirchhoff's laws & Derive balancing condition for Wheaston's bridge	M S R Nayakulu
	Mar'25	2 nd	13-03-2025	Assignment	Assignment for Major-10 students on Super Conductors & types	K Naveen Kumar
	Mar'25	2 nd	13-03-2025	Seminar	Seminar on Central forces and examples of their characteristics	V Durga Sandhya
	Mar'25	3 rd	15-03-2025	ICT	ICT Classes for Course – 9 students on Super Position thermos in electricity	M S R Nayakulu
	Mar'25	3 rd	15-03-2025	Seminar	Seminar for Major-10 students on One – dimensional potential box	K Naveen Kumar
	Mar'25	4 th	17-03-2025		Mentor – Mentee Programme conducted for II year students	Dr L Malleswara Rao
	Mar'25	3 rd	18-03-2025	Assignment	Assignment on Schrodinger time independent wave equation.	Dr A P V Appa Rao
	Mar'25	3 rd	18-03-2025	Assignment	Assignment on Derive Maxwell's wave equation	M S R Nayakulu
	Mar'25	3 rd	18-03-2025	Seminar	Seminar on Lorentz transformation equations	V Durga Sandhya
	Mar'25	4 th	19-03-2025	Seminar	Seminar for II BSc Physics Major Students	Dr L Malleswara Rao
	Mar'25	3 rd	19-03-2025	Assignment	Assignment on Modes of vibration of stretched string clamped at ends	Ch Sundar Singh
	Mar'25	3 rd	20-03-2025	Assignment	Assignment for III Minor students on L R Circuit	P Ramakrishna Rao
	Mar'25	3 rd	20-03-2025	Seminar	Seminar on Production of Ultrasonics using Piezo electric effect	Ch Sundar Singh
	Mar'25	3 rd	21-03-2025	Seminar	Seminar for II BSc Physics Major Students	Dr L Malleswara Rao
	Mar'25	3 rd	21-03-2025	PPT	Power Point Presentation conducted for II BSc Physics Major students	Dr L Malleswara Rao
	Mar'25	3 rd	22-03-2025	Seminar	Seminar on Eigen values & Eigen functions	K Naveen Kumar
	Mar'25	4 th	24-03-2025 to 28-03-2025	FDP's	Participated in 5 Day FDP on Generative AI & the Future of Network Security: "Emerging Trends" held on 24 th March to 28 th March'2025	Dr L Malleswara Rao
	Mar'25	4 th	26-03-2025	PPT	Power Point Presentation on Classification of beams and types of bendings	V Durga Sandhya

	Mar'25	4 th	27-03-2025	ICT - 2	ICT for II year students on Super conductors	Dr A P V Appa Rao
	Mar'25	4 th	27-03-2025	Seminar	Seminar on Maxwell's equation	P Ramakrishna Rao
	Mar'25	4 th	27-03-2025	Assignment	Assignment on Growth decay of currents in CR circuit	M S R Nayakulu
	Mar'25	4 th	29-03-2025	ICT	ICT Classes on Relation between current & Voltage in LR Circuits	M S R Nayakulu
	Mar'25	4 th	29-03-2025	PPT	power Point Presentation on Michelson – Morley experiment	V Durga Sandhya
	Mar'25	4 th	29-03-2025	Assignment	Assignment for Major-10 students on BCS Theory	K Naveen Kumar