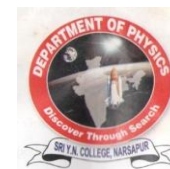




# DEPARTMENT OF PHYSICS

## DEPARTMENTAL ACADEMIC ACTIVITIES - 2023-2024



Commissionerate of Collegiate Education - A.P.						
DEPARTMENT OF PHYSICS						
DEPARTMENTAL ACADEMIC ACTIVITIES - 2023-2024						
I/III/V SEMESTERS						
S.No	Month	Week	Date	Activity	Class and Topic	Name of the Lecturer
1	Sep'23	2 <sup>nd</sup>	11 <sup>th</sup> to 17 <sup>th</sup> September' 2023	Faculty Development Programme	One week International online FDP on “ Multidisciplinary approach in Research methodology” 11 <sup>th</sup> Sept'2023 to 17 <sup>th</sup> September 2023 sponsored by SBI, Bazar branch, Narsapur organized by departments of Biotechnology, History, Physics, Electronics and Chemistry in association with IQAC	All Staff members
2	Sep'23	2 <sup>nd</sup>	03-09-2023	Seminar	Seminar for I Major A3A6 students on Scope of Physics	M S Ranganayakulu
3	Sep'23	2 <sup>nd</sup>	12-09-2023	Assignment	Assignment for I A2 & I A5 students on renewable energy and different types of RE	V Durga Sandhya
4	Sep'23	4 <sup>th</sup>	22-09-2023	Assignment	Assignment for I A2 & I A5 students on efficient of energy devices	V Durga Sandhya
5	Sep'23	4 <sup>th</sup>	23-09-2023	Seminar	Seminar for I Major A2 students on scope of Physics	M S Ranganayakulu
6	Sep'23	4 <sup>th</sup>	25-09-2023	Assignment	Assignment for I Physics Major students	P Ramakrishna Rao
7	Sep'23	4 <sup>th</sup>	27-09-2023	Assignment	Assignment for A3 & A6 Major students on Newton's law	M S Ranganayakulu
8	Sep'23	4 <sup>th</sup>	27-09-2023	Assignment	Assignment for A2 Major students on Newton's law of explanation	M S Ranganayakulu
9	Sep'23	4 <sup>th</sup>	27-09-2023	Assignment	Assignment for III MPCs students on Adiabatic demagnetization and Liquefaction of helium	V Durga Sandhya
10	Sep'23	4 <sup>th</sup>	29-09-2023	Assignment	Assignment - 1 for II MPCs students on efficiency of carnot's engine - deviation	Dr A P V Appa Rao
11	Sep'23	4 <sup>th</sup>	29-09-2023	Assignment	Assignment for III MPCs students	P Ramakrishna Rao
12	Sep'23	4 <sup>th</sup>	30-09-2023	Assignment	Assignment for III-MPC-EM on Liquefaction of air - Cloud's method	Ch Sundar Singh
13	Oct'23	1 <sup>st</sup>	02-10-2023	Seminar	Seminar for III MPCs students on Pyrheliometer	P Ramakrishna Rao

14	Oct'23	1 <sup>st</sup>	03-10-2023	Assignment	Assignment for III MPC-EM on Solar Energy	Dr L Malleswara Rao
15	Oct'23	1 <sup>st</sup>	03-10-2023	Assignment	Assignment for I Physics-Major and Maths - Major on Energy Storage.	Dr L Malleswara Rao
16	Oct'23	1 <sup>st</sup>	03-10-2023	Seminar	Seminar for III MPC-EM students on Production of liquid Hydrogen	Ch Sundar Singh
17	Oct'23	1 <sup>st</sup>	03-10-2023	PPT	PPT for III MPCs students on Ice plant	V Durga Sandhya
18	Oct'23	1 <sup>st</sup>	04-10-2023	PPT	PPT for I Major A2 students on MKS, CGS & FPS system	M S Ranganayakulu
19	Oct'23	1 <sup>st</sup>	04-10-2023	Assignment	Assignment for III MPCs students on Pyrheliometer	K Naveen Kumar
20	Oct'23	1 <sup>st</sup>	05-10-2023	Seminar	Seminar - 1 for II MPCs students on Isothermal and adiabatic process - equations for work done	Dr A P V Appa Rao
21	Oct'23	1 <sup>st</sup>	05-10-2023	PPT	PPT for III MPCs students on Liquefaction of Helium by using Kapitza's method	M S Ranganayakulu
22	Oct'23	1 <sup>st</sup>	05-10-2023	PPT	PPT for I Major A3 & A6 students on MKS, CGS & FPS system	M S Ranganayakulu
23	Oct'23	1 <sup>st</sup>	07-10-2023	Assignment	Assignment for III MPC-EM students on Properties of materials at low temperature	Ch Sundar Singh
24	Oct'23	2 <sup>nd</sup>	11-10-2023	Assignment	Assignment for I Computer Science students on Quantum dots	K Naveen Kumar
25	Oct'23	2 <sup>nd</sup>	12-10-2023	PPT	PPT for I Physics Major students on Scope of Physics	P Ramakrishna Rao
26	Oct'23	2 <sup>nd</sup>	12-10-2023	PPT	PPT for III MPC-EM students on Super conductivity	Ch Sundar Singh
27	Oct'23	2 <sup>nd</sup>	12-10-2023	Assignment	Assignment for I Physics Major students on measurements and units	Ch Sundar Singh
28	Oct'23	2 <sup>nd</sup>	13-10-2023	Assignment	Assignment for III MPCs students	P Ramakrishna Rao
29	Oct'23	3 <sup>rd</sup>	16-10-2023	Assignment	Assignment for I Physics Major students	P Ramakrishna Rao
30	Oct'23	3 <sup>rd</sup>	17-10-2023	BOS	Boards of studies meeting on 17-10-2023 at 3 PM through online mode	All the staff members
31	Oct'23	3 <sup>rd</sup>	17-10-2023	Seminar	Seminar - 1 for III MPC-EM students on Pyroheliometer	Dr L Malleswara Rao
32	Oct'23	3 <sup>rd</sup>	18-10-2023	Assignment	Assignment for III MPCs students on Gas thermometer working and construction	V Durga Sandhya
33	Oct'23	4 <sup>th</sup>	25-10-2023	Assignment	Assignment - 2 for II MPCs students on Kelvin's scale of absolute temperature	Dr A P V Appa Rao
34	Oct'23	4 <sup>th</sup>	25-10-2023	PPT	PPT for III MPC-EM students on Liquid heating type - Flat plate collector	Dr L Malleswara Rao

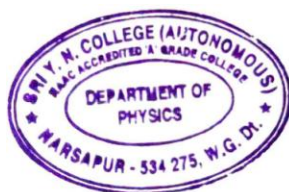
35	Oct'23	4 <sup>th</sup>	26-10-2023	Seminar	Seminar for III MPCs students on Newtonian mechanics	P Ramakrishna Rao
36	Oct'23	4 <sup>th</sup>	26-10-2023	PPT	PPT for for III MPCs students on Spectral distribution of solar radiation	P Ramakrishna Rao
37	Oct'23	4 <sup>th</sup>	26-10-2023	Assignment	Assignment for III MPCs students on adiabatic demagnetization	M S Ranganayakulu
38	Oct'23	4 <sup>th</sup>	26-10-2023	Assignment	Assignment for III MPCs students on Solar panel	K Naveen Kumar
39	Oct'23	4 <sup>th</sup>	27-10-2023	Assignment	Assignment for III MPCs students	P Ramakrishna Rao
40	Oct'23	4 <sup>th</sup>	28-10-2023	Seminar	Seminar - 1 for I Physics Major students on Quantum Communications	Dr L Malleswara Rao
41	Oct'23	4 <sup>th</sup>	28-10-2023	Assignment	Assignment for III MPC-EM students on Vapour pressure thermo meter	Ch Sundar Singh
42	Oct'23	4 <sup>th</sup>	30-10-2023	PPT	PPT- 1 for II MPCs students on entropy concepts and related topics of entropy	Dr A P V Appa Rao
43	Oct'23	4 <sup>th</sup>	30-10-2023	Assignment	Assignment for III MPCs students on Block diagram of refrigeration (or) refrigeration cycle	V Durga Sandhya
44	Oct'23	4 <sup>th</sup>	31-10-2023	Assignment	Assignment for III MPC-EM students on Solar thermal power plant	Dr L Malleswara Rao
45	Oct'23	4 <sup>th</sup>	31-10-2023	Assignment	Assignment for I Physics Major and Maths Major on Recent advances in bio-physics	Dr L Malleswara Rao
46	Nov'23	1 <sup>st</sup>	01-11-2023	Assignment	Assignment - 3 for II MPCs students on T-S diagram and efficiency of carnot's engine	Dr A P V Appa Rao
47	Nov-23	1 <sup>st</sup>	02-11-2023	Seminar	Assignment-2 for III MPC-EM students on Flat Plate collector	Dr L Malleswara Rao
48	Nov'23	1 <sup>st</sup>	02-11-2023	Assignment	Assignment for I Physics Major students on First law of thermodynamics	Ch Sundar Singh
49	Nov'23	1 <sup>st</sup>	02-11-2023	Assignment	Assignment for I A2 & I A5 students on Quantum dots and applications	V Durga Sandhya
50	Nov'23	1 <sup>st</sup>	03-11-2023	Seminar	Seminar - 2 for II MPCs students on Specific heats of a gas - derivations of their relations	Dr A P V Appa Rao
51	Nov'23	1 <sup>st</sup>	03-11-2023	Assignment	Assignment for III MPCs students on Gas thermo meters	M S Ranganayakulu
52	Nov'23	1 <sup>st</sup>	04-11-2023	Assignment	Assignment for I Major (A3 & A6) students on acoustic waves	M S Ranganayakulu
53	Nov'23	1 <sup>st</sup>	04-11-2023	Assignment	Assignment for I Major (A2) students on acoustic waves	M S Ranganayakulu

54	Nov'23	1 <sup>st</sup>	06-11-2023	Assignment	Assignment for I Physics Major students	P Ramakrishna Rao
55	Nov'23	1 <sup>st</sup>	06-11-2023	Assignment	Assignment for III MPCs students on Vapour compression machine	V Durga Sandhya
56	Nov'23	1 <sup>st</sup>	07-11-2023	PPT	PPT for III MPC-EM students on Solar hot water system	Dr L Malleswara Rao
57	Nov'23	1 <sup>st</sup>	07-11-2023	Assignment	Assignment for III MPCs students on Photo voltaic effect	K Naveen Kumar
58	Nov'23	1 <sup>st</sup>	07-11-2023	Seminar	Seminar for III MPCs students on Solar hot water system	K Naveen Kumar
59	Nov'23	2 <sup>nd</sup>	10-11-2023	PPT	PPT-2 for II MPCs students on Expression for Joule Thomson cooling	Dr A P V Appa Rao
60	Nov'23	2 <sup>nd</sup>	10-11-2023	Seminar	Seminar for III MPCs students on equivalent circuit	P Ramakrishna Rao
61	Nov'23	2 <sup>nd</sup>	10-11-2023	Assignment	Assignment for I Major (Computer Science) students on Recent advances in medical physics	K Naveen Kumar
62	Nov'23	2 <sup>nd</sup>	13-11-2023	Assignment	Assignment for I Major A3, A6, A7 students on Quantum communication	K Naveen Kumar
63	Nov'23	2 <sup>nd</sup>	14-11-2023	Assignment	Assignment for I Physics Major students	P Ramakrishna Rao
64	Nov'23	3 <sup>rd</sup>	15-11-2023	PPT	PPT for I Major computer Science students on recent advances in the field of Nano-technology	K Naveen Kumar
65	Nov'23	3 <sup>rd</sup>	16-11-2023	Assignment	Assignment - 3 for III MPC-EM students on Solar Green Homes	Dr L Malleswara Rao
66	Nov'23	3 <sup>rd</sup>	16-11-2023	PPT	PPT for III MPC-EM students on Solar Green homes	Dr L Malleswara Rao
67	Nov'23	3 <sup>rd</sup>	16-11-2023	PPT	PPT for I Physics Major students on environmental monitoring	P Ramakrishna Rao
68	Nov'23	3 <sup>rd</sup>	16-11-2023	Seminar	Seminar for III MPC-EM students on vapour compression refrigeration system	Ch Sundar Singh
69	Nov'23	3 <sup>rd</sup>	16-11-2023	Assignment	Assignment for I Physics Major students on Scope of physics	Ch Sundar Singh
70	Nov'23	3 <sup>rd</sup>	17-11-2023	Seminar	Seminar - 3 for II MPCs students on expression for fall in temperature in adiabatic demagnetization.	Dr A P V Appa Rao
712	Nov'23	3 <sup>rd</sup>	17-11-2023	Seminar	Seminar for III MPCs students on Magnetic thermometers with diagram	M S Ranganayakulu
72	Nov'23	3 <sup>rd</sup>	17-11-2023	Assignment	Assignment for I A2 & I A5 students on Nanotechnology in nano medicine	V Durga Sandhya
73	Nov'23	3 <sup>rd</sup>	18-11-2023	Assignment	Assignment - 3 for I Physics Major students on Nano technology	Dr L Malleswara Rao

74	Nov'23	3 <sup>rd</sup>	23-11-2023	Group Discussion	Group Discussion among III MPC-EM students	Ch Sundar Singh
75	Nov'23	4 <sup>th</sup>	25-11-2023	Group Discussion	Group Discussion - 1 among II MPCs students on Low temperature physics	Dr A P V Appa Rao
76	Nov'23	4 <sup>th</sup>	25-11-2023	PPT	PPT for III MPCs students on Primary & Secondary batteries	K Naveen Kumar
77	Nov'23	4 <sup>th</sup>	25-11-2023	PPT	PPT for I Major A3, A6, A7 students on Radiation therapy	K Naveen Kumar
78	Nov'23	4 <sup>th</sup>	27-11-2023	Assignment	Assignment for III MPCs students on Importance of super conducting magnet in MRI	V Durga Sandhya
79	Nov'23	4 <sup>th</sup>	28-11-2023	Counseling	Counseling for III MPC-EM students	Ch Sundar Singh
80	Nov'23	4 <sup>th</sup>	29-11-2023	Assignment	Assignment for III MPCs students on Solar pv system	K Naveen Kumar
81	Nov'23	4 <sup>th</sup>	30-11-2023	Assignment	Assignment - 4 for II MPCs students on Plank's radiation formula	Dr A P V Appa Rao
82	Nov'23	4 <sup>th</sup>	30-11-2023	Group Discussion	Group Discussion for III MPC-EM students on Photovoltaic Effect	Dr L Malleswara Rao
83	Nov'23	4 <sup>th</sup>	30-11-2023	Assignment	Assignment for I Physics Major students	P Ramakrishna Rao
84	Nov'23	4 <sup>th</sup>	30-11-2023	Assignment	Assignment for III MPC-EM students on Application of Refrigeration	Ch Sundar Singh
85	Nov'23	4 <sup>th</sup>	30-11-2023	Seminar	Seminar for I A2 & I A5 students on Quantum communication	V Durga Sandhya
86	Dec'23	1 <sup>st</sup>	01-12-2023	Counseling	Counseling for III MPC-EM studens	Ch Sundar Singh
87	Dec'23	1 <sup>st</sup>	02-12-2023	PPT	PPT for III MPC-EM students on Classification of Refrigerants	Ch Sundar Singh
88	Dec'23	1 <sup>st</sup>	06-12-2023	Assignment	Assignment for III MPCs students on Solid state battery	K Naveen Kumar
89	Dec'23	1 <sup>st</sup>	07-12-2023	Assignment	Assignment - 4 for III MPC-EM students on Solar Photovoltaic cell	Dr L Malleswara Rao
90	Dec'23	1 <sup>st</sup>	07-12-2023	Assignment	Assignment - 4 for I Physics Major students on Nano medicine	Dr L Malleswara Rao
91	Dec'23	1 <sup>st</sup>	07-12-2023	PPT	PPT for I Physics Major students on Robotics and automation	P Ramakrishna Rao
92	Dec'23	1 <sup>st</sup>	07-12-2023	Assignment	Assignment for III MPC-EM students on Eco friendly refrigeration	Ch Sundar Singh
93	Dec'23	1 <sup>st</sup>	07-12-2023	Assignment	Assignment for I Physics Major students on Electro	Ch Sundar Singh

					Magnetic waves	
94	Dec'23	1 <sup>st</sup>	07-12-2023	Assignment	Assignment for III MPCs students on Vapour absorption refrigerators	M S Ranganayakulu
95	Dec'23	2 <sup>nd</sup>	08-12-2023	PPT	PPT-3 for II MPCs students on Maxwell's law of distribution of molecular speeds of a gas	Dr A P V Appa Rao
96	Dec'23	2 <sup>nd</sup>	08-12-2023	Seminar	Seminar for III MPCs students on Series and Parallel solar modules	K Naveen Kumar
97	Dec'23	2 <sup>nd</sup>	09-12-2023	Assignment	Assignment for III MPCs students	P Ramakrishna Rao
98	Dec'23	2 <sup>nd</sup>	11-12-2023	PPT	PPT for III MPCs students on Energy balance equation	P Ramakrishna Rao
99	Dec'23	2 <sup>nd</sup>	11-12-2023	Assignment	Assignment for III MPCs students on Working & Block diagram of Refrigerator	M S Ranganayakulu
100	Dec'23	2 <sup>nd</sup>	11-12-2023	Seminar	Seminar for III MPCs students on refrigeration components	V Dura Sandhya
101	Dec'23	2 <sup>nd</sup>	11-12-2023	Assignment	Assignment for I Major A3, A6, A7 students on Shape memory materials	K Naveen Kumar
102	Dec'23	2 <sup>nd</sup>	12-12-2023	Career Guidance	Career Guidance for III MPC-EM students	Dr L Malleswara Rao
103	Dec'23	2 <sup>nd</sup>	12-12-2023	PPT	PPT for III MPC-EM students on Nano Technology	Dr L Malleswara Rao
104	Dec'23	2 <sup>nd</sup>	13-12-2023	Group Discussion	Group Discussion - 2 for II MPCs students on Quantum theory of radiation	Dr A P V Appa Rao
105	Dec'23	2 <sup>nd</sup>	13-12-2023	Group Discussion	Group Discussion among III MPC EM students on Energy storage	Dr L Malleswara Rao
106	Dec'23	2 <sup>nd</sup>	13-12-2023	PPT	PPT for III MPCs students on Domestic refrigeration	V Durga Sandhya
107	Dec'23	3 <sup>rd</sup>	14-12-2023	PPT	PPT for III MPC-EM students on Energy Storage	Dr L Malleswara Rao
108	Dec'23	3 <sup>rd</sup>	14-12-2023	Assignment	Assignment for I Physics Major students	P Ramakrishna Rao
109	Dec'23	3 <sup>rd</sup>	14-12-2023	Assignment	Assignment for I Physics Major students on Applications of Physics in Robotics	Ch Sundar Singh
110	Dec'23	3 <sup>rd</sup>	14-12-2023	Seminar	Seminar for III MPCs students on Vapour Compression system	M S Ranganayakulu
111	Dec'23	3 <sup>rd</sup>	14-12-2023	PPT	PPT for I A2 & I A5 students on Nano technology	V Durga Sandhya
112	Dec'23	3 <sup>rd</sup>	15-12-2023	Assignment	Assignment - 5 for II MPCs students on expression for coefficient of viscosity of a gas based on kinetic theory of gasses	Dr A P V Appa Rao

113	Dec'23	3 <sup>rd</sup>	15-12-2023	Assignment	Assignment for III MPCs students on Ice plants & food preservations	M S Ranganayakulu
114	Dec'23	3 <sup>rd</sup>	16-12-2023	Assignment	Assignment-5 for I Physics Major students on Bio medicine, Neuro physician	Dr L Malleswara Rao
115	Dec'23	3 <sup>rd</sup>	18-12-2023	Assignment	Assignment - 5 for III MPC-EM students on Solid state batteries	Dr L Malleswara Rao
116	Dec'23	3 <sup>rd</sup>	19-12-2023	Seminar	Seminar - 3 for III MPC-EM students on Carbon Nanotubes	Dr L Malleswara Rao
117	Dec'23	4 <sup>th</sup>	20-12-2023	Seminar	Seminar - 2 for I Physics Major students on Nuclear Medicine	Dr L Malleswara Rao
118	Dec'23	4 <sup>th</sup>	22-12-2023	Career Guidance	Career Guidance for III MPC-EM on Job opportunities	Dr L Malleswara Rao



**HEAD OF THE DEPARTMENT**