

J.J. College of Arts and Science (Autonomous)
J.J. Nagar, Sivapuram Post, Pudukkottai

Details of ICT Enabled Teaching Resources

Department : PHYSICS

Academic Year : 2021 - 2022

Name of the Staff : DR. M.K. MURALI

Semester : ODD & Even.

Sl. No.	Date	Class	Course Title	Topic	Type of ICT Tool(s) used
1	16/9/21	II M.Sc	Advanced physics	Fundamentals of laser.	PPT
2	21/9/21	II M.Sc	Advanced physics	characteristic of laser	PPT
3	30/9/21	II. M.Sc	Advanced physics	Semi conductor laser.	E-Content.
4	23/11/21	I. B.Sc	Properties of Matter Sp. Sound.	Viscosity of liquid. Streamline, turbulent flow	PPT.
5	27/12/21	I B.Sc	properties of Matter Sp. Sound.	Derivation of poiseuille's formula.	e-Para Skala
6	26/12/21	I. B.Sc	Properties of Matter Sp. Sound.	Viscosity of liquid - Variable pressure head.	e-Para Skala
7	21.3.22	III. BSc (B)	COMPUTER programming C- language.	operators.	YouTube.
8	28.3.22	III BSc (B)	COMPUTER programming C- language.	Expressions.	PPT
9	5.4.22	III BSc 'B'	COMPUTER programming C- language.	ARRAYS	PPT



M.K.M
Signature of the Staff

M.K.M
Head of the Department

P. Parasuraman
Principal

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Department : PHYSICS

Academic Year : 2021 - 2022

Name of the Staff : DR. K. DHANABALAN

Semester : ODD & EVEN

Sl. No.	Date	Class	Course Title	Topic	Type of ICT Tool(s) used
1.	13/09/21	B.Sc.	Applied physics-I	Series Resonance circuit	PPT
2.	01/10/21	B.Sc.	Applied physics-I	Kirchhoff's law	E-Content
3.	20/10/21	B.Sc	Applied physics	Potentiometer	PPT
4.	06/09/21	M.Sc.	Atomic & Molecular Spectroscopy	Hydrogen atom spectra	PPT
5.	29/09/21	M.Sc	Atomic & Molecular Spectroscopy	The Born-approximation approximation	E-Content
6.	11/10/21	M.Sc	Atomic & Molecular Spectroscopy	Heiter-Loedel theory	E-Content
7.	21/03/22	B.Sc.	programming in c language	Formatted input	PPT
8.	28/03/22	B.Sc	programming in c language	Formatted output with programme	PPT
9.	05/04/22	B.Sc	programming in c language	Control structure	PPT
10.	01/03/22	M.Sc.	Electro magnetic theory	clausius- moseottic Equation	PPT
11.	22/03/22	M.Sc.	Electro magnetic theory	Green's function method	E-Content
12.	01/04/22	M.Sc.	Electro magnetic theory	Biot - savart law	E-Content

K. Dhana
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Head of the Department

J. Parasuraman
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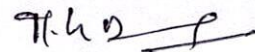
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Department : PHYSICS
Name of the Staff : R. SHANTHI

Academic Year : 2021 - 2022
Semester : I, III & II, IV

Sl. No.	Date	Class	Course Title	Topic	Type of ICT Tool(s) used
1	08/09/21	III B.Sc Physics A	Atomic and Nuclear physics	Milikan's oil drop method	PPT.
2	20/09/21	III B.Sc Physics A	Atomic and Nuclear physics	Davison and Goucher Method	PPT.
3	13/10/21	III B.Sc Physics A	Atomic and Nuclear physics	Coupling scheme	e-Content
4	29/11/21	I B.Sc Physics	Properties of matter & sound	Jaeger's method	PPT.
5	03/12/21	I B.Sc Physics	Properties of matter & sound	Bending moment	e-Content
6	29/12/21	I B.Sc Physics	Properties of matter & sound	Torsion of a body	PPT.
7	23/02/22	III B.Sc Physics A	Elements of Theoretical physics	Degrees of freedom	PPT
8	10/03/22	I B.Sc Physics	Mechanics	S.H.M.	e-Content
9	31/03/22	III B.Sc Physics A	Elements of Theoretical physics	Hamiltonian function	PPT.
10	18/04/22	I B.Sc Physics	Mechanics	Torricelli's Theorem	PPT
11	02/05/22	III B.Sc Physics A	Elements of Theoretical physics	Particle in a box	PPT
12	04/05/22	I B.Sc Physics	Mechanics	co-efficient of restitution	e-Content

R. S. L. L.
 Signature of the Staff


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Details of ICT Enabled Teaching Resources

Department : PHYSICS

Academic Year : 2021 - 2022

Name of the Staff : Dr. M. BHUVANESWARI

Semester : ODD & EVEN

Sl. No.	Date	Class	Course Title	Topic	Type of ICT Tool(s) used
1	5/7/21	B.Sc	optics	Young's Double slit experiment	PPT
2	12/8/21	B.Sc	optics	Nicol prism	e-content from youtube
3	3/9/21	B.Sc	optics	Chromatic aberration	e-content from youtube
4	13/11/21	M.Sc	classical Mechanics	D'Alembert's principle	e-content from e-pathsala
5	24/11/21	M.Sc	classical mechanics	Symmetrical top	e-content from You-tube
6	16/12/21	M.Sc	classical Mechanics	Poisson brackets	PPT
7	11/3/22	B.Sc	Microprocessor and its applications	Addressing modes	PPT
8	18/4/22	B.Sc	Microprocessor and its applications	Interfacing A/D Converter.	e-content from youtube
9	12/5/22	B.Sc	Microprocessor & its applications	LED 7 segment display	PPT
10	8/3/22	M.Sc	Statistical Mechanics	Vander waal's eqn. of state	PPT
11	30/3/22	M.Sc	Statistical Mechanics	phase space	e-content from e-pathsala
12	4/5/22	M.Sc	Statistical Mechanics.	Black body radiation.	PPT

M. Bhuvaneshwari
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M. K. Murali
Head of the Department

G. Parasuraman
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Details of ICT Enabled Teaching Resources

Department : PHYSICS
Name of the Staff : DHANACHA-I/M/S

Academic Year : 2021 - 2022
Semester : Odd & Even

Sl. No.	Date	Class	Course Title	Topic	Type of ICT Tool(s) used
1	6.8.2021	III B.Sc Physics	Solid state physics	Superconducting materials.	PPT
2	7.9.2021	III B.Sc Physics	Solid state physics	Meissner effect	PPT
3	14.9.2021	III B.Sc Phy	Solid state physics	Bravais Lattices	E-Content
4	15-10-2021	III B.Sc Phy	Solid state physics	Vander wall's forces	PPT
5	16-11-2021	III B.Sc Phy	Solid state physics	Nuclear Engineering materials	E-Content
6	20-12-2021	III B.Sc Phy.	Solid state physics	High temperature Super conductor	PPT
7	18-4-2022	III B.Sc Phy (A)	physics for Home Appliances	precaution to avoid electric shock.	E-Content
8	8-2-2022	III B.Sc	Microprocessor	Peripheral Devices and interfacing	PPT
9	16-3-2022	III B.Sc Physics	Microprocessor	programmable Peripheral Interface	PPT
10	26-4-2022	III B.Sc Phy(B)	physics for Home Appliances	Earthing electricity Instrument	PPT
11	30-5-2022	III B.Sc Phy(A)	physics for Home Appliances	Solar cell	PPT
12	6-6-2022	III B.Sc Phy(C)	physics for Home Appliances	Electromagnetic application.	E-Content

S. Shanmugasundaram
Signature of the Staff

T. K. Murali
Head of the Department

G. Parasuraman
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Details of ICT Enabled Teaching Resources


Department : PHYSICS

Academic Year : 2021 - 2022

Name of the Staff : Mr. Senthil Kumar G

Semester : Odd & EVEN

Sl. No.	Date	Class	Course Title	Topic	Type of ICT Tool(s) used
1.	5.8.2021	III BSC - Physics	Disital Electronics	Number System	PPT
2.	06.9.2021	II BSC - Physics	Electricity & magnetism	LCR Series	Google meet.
3.	13.9.2021	I BSC - Physics	Analogy & disital Electronics.	JK flip flops	PPT.
4.	14.10.2021	III BSC physics	Disital Electronics	Universal NAND	Google meet.
5.	15.11.2021	II BSC - Physics	Electricity & magnetism	Para, dia, ferro magnetis.	PPT.
6.	19.12.2021	I BSC - Physics	Analogy & disital Electronics	LED display	Google meet.
7.	7.2.2022	III BSC - Physics	Nano Science	PVD - method	PPT
8.	21.2.2022	II BSC - Physics	Electronics	FET - characteristics	Google meet.
9.	28.3.2022	I BSC - Physics	Quantum mechanics	Schrodinger Equation	PPT
10.	28-4.2022	III BSC - Physics	Nano Science	TEM - Technology	PPT
11.	31.5-2022	II BSC - Physics	Electronics	7-Segment display	Google meet.
12.	6-7-2022	I BSC - Physics	Quantum mechanics	SEM - Technology	PPT.


Signature of the Staff


Head of the Department


Principal



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e-path-sala

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Details of ICT Enabled Teaching Resources

Department : PHYSICS

Academic Year : 2021 - 2022

Name of the Staff : MR. S. SASIKUMAR

Semester : Odd & Even

Sl. No.	Date	Class	Course Title	Topic	Type of ICT Tool(s) used
1.	01.07.2021	B.S.C	Biomedical Instrumentation	Bioelectric Potentials	PPT
2.	03.07.2021	M.S.C	Introduction to Nanoscience & nanotechnology	Background to Nanotechnology	e-path sala
3.	06.07.2021	B.S.C	Applied physics-I	Current Electricity	PPT
4.	08.07.2021	B.S.C	Biomedical Instrumentation	Biopotential Electrodes	PPT
5.	05.08.2021	M.S.C	Nanoscience & nanotechnology	Nucleation	PPT
6.	06.09.2021	B.S.C	Applied physics-I	Electromagnetic Induction	e-path sala
7.	01.03.2022	B.S.C	Electrical Home Appliances	Safety precaution	e-path sala
8.	11.04.2022	B.S.C	Electrical Home Appliances	Electrical measuring Instruments	PPT
9.	24.02.2022	M.S.C	crystal growth & Thin Films	Nucleation and crystal growth	PPT
10.	08.03.2022	M.S.C	crystal growth & Thin Films	Gas and Solution growth Techniques	PPT
11.	23.02.2022	B.S.C	Applied physics-II	Semiconductor physics	e-path sala
12.	10.03.2022	B.S.C	Applied physics-II	Lasers and Masers	e-path sala

S. Sasikumar
 (S. SASIKUMAR)
 Signature of the Staff



T.K.2
 2/10/22
 Head of the Department

Dr. M.K. MURALI, M.Sc., M.Phil., Ph.D.
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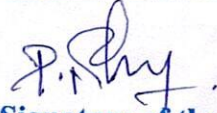
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Details of ICT Enabled Teaching Resources

Department : Physics
 Name of the Staff : P. Menaka

Academic Year : 2021 - 2022
 Semester : I, II, V, & IV

Sl. No.	Date	Class	Course Title	Topic	Type of ICT Tool(s) used
1.	17/7/21	III. B.Sc Phy	Biomedical - Instrumentation	Bioelectric potential	PPT
2.	20/7/21	I. B.Sc (CS)	Applied physics - I	capacity of spherical capacitor	PPT
3.	02/08/22	III. B.Sc Phys.	Biomedical - Instrumentation	Electrode Theory	PPT
4.	06/8/22	II. B.Sc (C.S)	Applied physics - I	Current Electricity	PPT
5.	09/11/21	I. M.Sc Physiu	Mathematical Physics	Gradient, divergence concept.	PPT
6.	23/11/21	I. M.Sc Phys	Mathematical Physics.	Characteristic Equations of Matrix.	PPT
7.	02/03/22	II. B.Sc Phy	Basic Electronics	PN - Junction diode.	PPT
8.	08/03/22	II. B.Sc (CS)	Applied physics - II	Zener diode -	PPT
9.	22/03/22	II. B.Sc (Phy)	Basic Electronics	Transistor - BJT.	PPT
10.	24/03/22	II. B.Sc (CS)	Applied physics - II	LASER -	PPT
11.	29/03/21	II. B.Sc (Phy)	Basic Electronics	FET Structure.	PPT
12.	06/04/22	I. B.Sc (CS)	Applied physics - II	LED - Photodiode.	PPT.


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