

Yashwantrao Chavan College of Science, Karad

Department of Physics

ICT TOOLS USED FOR TEACHING AND LEARNING

CONTENTS

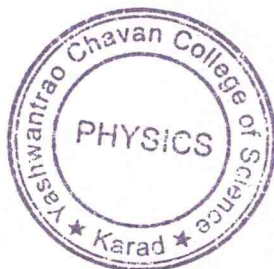
Sr. No.	Particulars
1.	Video Lectures on You Tube
2.	Google forms – Internal Examination, Quiz, Question Bank etc.
3.	Power Point Presentations
4.	Webinars
5.	Guest lectures
6.	Zoom Platform Links
7.	Google Meet Links
8.	Whatsapp groups



Head,
Department of Physics,
Yashwantrao Chavan
College of Science, Karad
(Satara) 415124
Maharashtra



Principal,
Yashwantrao Chavan College of Science
Karad



Name of the Faculty: Dr. B. P. Relekar

Video Lectures on You Tube

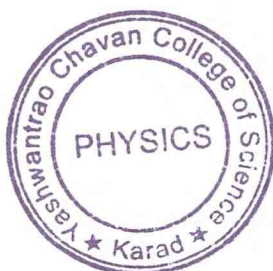
Sr. No.	Title	Link	Created on
1.	Matter Wave	https://www.youtube.com/watch?v=xmgsITN5YSc	You tube
2.	Curriculum and Activity of Department	https://youtu.be/9bBHKL3yaVQ	Youtube
3.	Quantum Mechanics Curriculum	https://youtu.be/xFDGbuLWwwY	Youtube
4.	Matter Wave	https://youtu.be/YwnbtTgZTfA	Youtube
5.	Wave length of Matter wave	https://youtu.be/xmgsITN5YSc	Youtube
6.	Phase velocity and Group velocity	https://youtu.be/CLcthCCWfWE	Youtube
7.	Formation of Wave packets	https://youtu.be/e8P5Gsgu8k	Youtube
8.	Relation between phase and group velocity	https://youtu.be/4NPNg2Fw7Vk	Youtube
9.	Relation between w and U	https://youtu.be/CfsInVf879k	Youtube
10.	Davisson and Germer Experiment	https://youtu.be/OSI2F9jpcf0	Youtube
11.	Uncertainty Principal	https://youtu.be/VdIG6AP9Buw	Youtube
12.	Review of possible questions	https://youtu.be/M4ABfqOnZN4	Youtube


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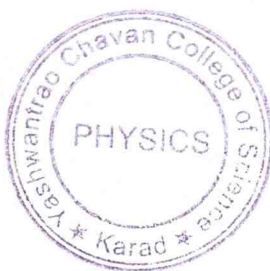
Principal,
Yashwantrao Chavan College of Science,
Karad



Google forms – Internal Examination, Quiz, Question Bank etc.

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1.	B.Sc-III Classical mechanics and classical electrodynamics Paper No-XI		https://docs.google.com/forms/d/1AIVITrLCK6P94FyV85wZ3ImaUVpmxhf2zI3cvoYQCiu/edit
2.	B.Sc-I Electricity & Magnetism I-Paper IV	05/02/2022	https://docs.google.com/forms/d/11ALVMPLwNM1BbjAD92VlzROBC1vAnRGuPIIFGCYoxQc/edit
3.	B.Sc-III Mathematical Physics Paper No-IX		https://docs.google.com/forms/d/1QzddbVOaf682qK-nLaXzr6sc08SAVPdz5YwCbmhaDE4/edit
4.	B.Sc-III Quantum Mechanics Paper No-X		https://docs.google.com/forms/d/10wbU7kQJJR48s7G796McUTMA8EZWVu6dLKdFktGfaEQ/edit
5.	B.Sc-I Electricity & Magnetism I-Paper III	05/02/2022	https://docs.google.com/forms/d/1zTWaSGXqIx0sy6fO_CmvBHcbxvMh9rXcfzakqcY7MiA/edit
6.	B.Sc-III Classical mechanics and classical electrodynamics Paper No-XI		https://docs.google.com/forms/d/1AIVITrLCK6P94FyV85wZ3ImaUVpmxhf2zI3cvoYQCiu/edit
7.	B.Sc-I Electricity & Magnetism I-Paper IV	05/02/2022	https://docs.google.com/forms/d/11ALVMPLwNM1BbjAD92VlzROBC1vAnRGuPIIFGCYoxQc/edit
8.	B.Sc-I Mechanics-Paper I	05/02/2022	https://docs.google.com/forms/d/1mxuImzhtNXxQuZNfpUwnVFtAaoU810x9DuInfxBusc4/edit

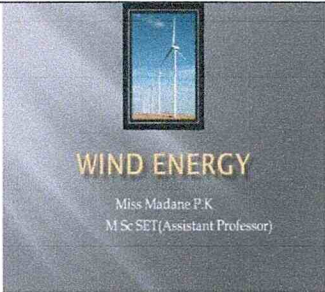
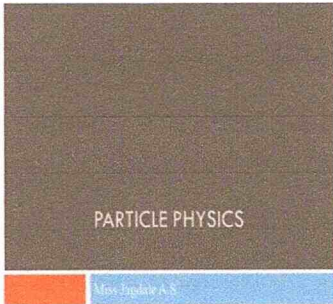
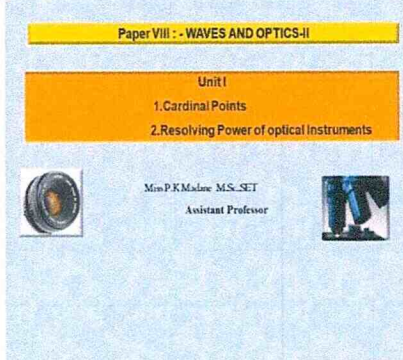

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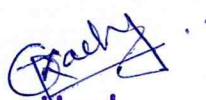


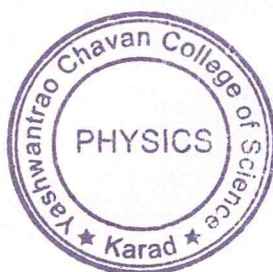

Principal,
Yashwantrao Chavan College of Science,
Karad

Power Point Presentations for Lectures (Online and Offline) –

Name of the Faculty: Ms. P. K. Madane, MsA.S.Jagdale

Sr. No.	Class	Topics
1.	B.Sc. III	 Special Theory of Relativity Miss Madane P.K. (M.Sc SET) Assistant Professor  WIND ENERGY Miss Madane P.K. M.Sc SET(Assistant Professor)  INTRODUCTION TO PARTICLE PHYSICS Miss Jagdale A.S (MSc) Assisant Professor PARTICLE PHYSICS Miss Jagdale A.S
2.	B.Sc.II	 Paper VIII : - WAVES AND OPTICS-II Unit I 1.Cardinal Points 2.Resolving Power of optical Instruments Miss P.K.Madane, M.Sc.,SET Assistant Professor


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Webinars arranged during Covid pandemic period

Advanced Functional Materials for Energy Applications

Dr. Parasharam M. Shirage
Associate Professor
Discipline of Metallurgy Engineering and Materials Science,
Indian Institute of Technology Indore
Mobile: 7873222331 E-mail: pmsirage@iit.ac.in

National Webinar on Materials for Energy Applications

India Design of Acoustic Resonator

Receiver

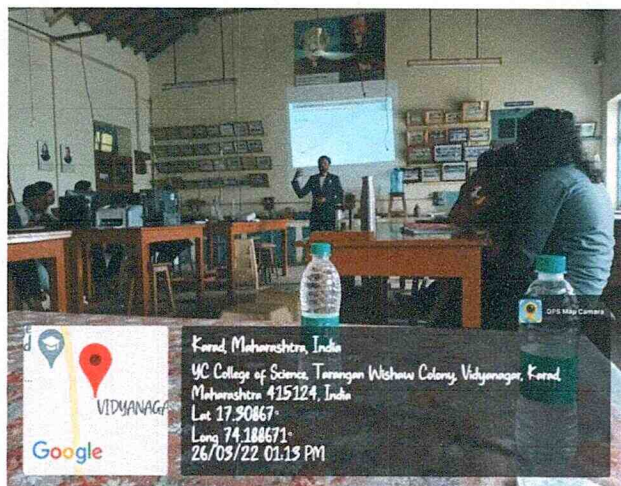
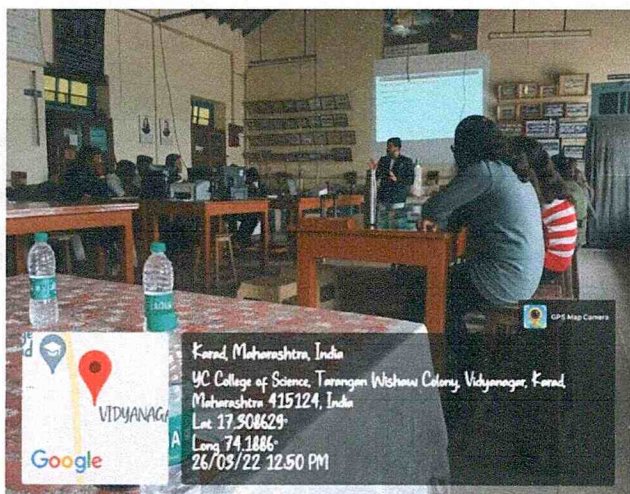
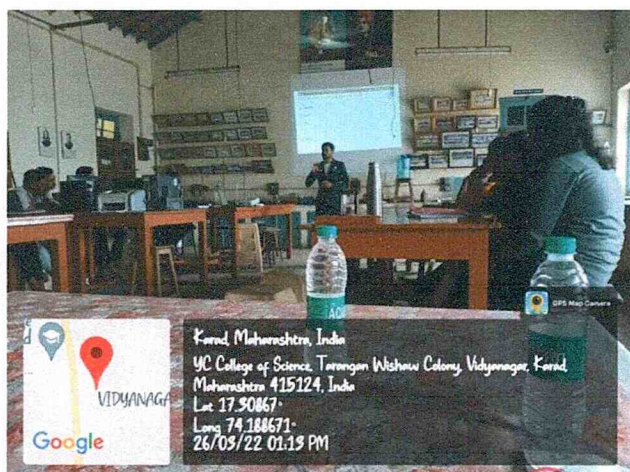
Pressure vessel and Vacuum Vessel

Copper Cavity Resonator

Design of Copper quasi-spherical pressure vessel and vacuum vessel

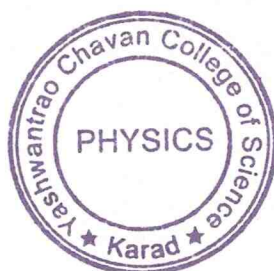
Probe	Function	Q1 (%)	Q2 (%)	Remark
M1	Measurement	25	45	M1 to M2
M2	Measurement	130	45	M2 to M3
M3	Measurement	130	45	M3 to M4
A1	Acoustic ref.	130	45	A1 to A2
A2	Acoustic ref.	130	45	A2 to A3
U1	Gas ref.	45	115	U1 to U2
U2	Gas ref.	45	115	U2 to U3
U3	Gas ref.	45	115	U3 to U4
U4	Gas ref.	45	115	U4 to U5
U5	Gas ref.	45	115	U5 to U6
U6	Gas ref.	45	115	U6 to U7
U7	Gas ref.	45	115	U7 to U8
U8	Gas ref.	45	115	U8 to U9
U9	Gas ref.	45	115	U9 to U10
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Guest Lectures –Use of LCD



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Head,
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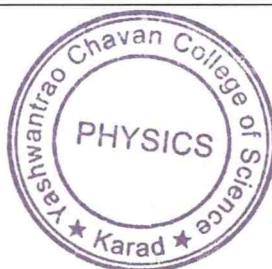
[Signature]
Principal,
Yashwantrao Chavan College of Science
Karad



Zoom Platform Link /Google Meet Link

Sr. No.	Link
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30.	https://us04web.zoom.us/j/76659138763?pwd=RtqHFHXs1K8TdZxz2F4NtelGX14q_P.1


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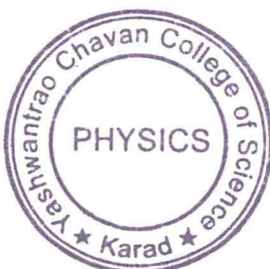
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33.	https://us04web.zoom.us/j/76126529824?pwd=JHPkrxyzq3qCBES15Gijc-rCljH37J.1

Google Forms Link

Sr. No.	Link
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2.	https://docs.google.com/forms/d/e/1FAIpQLSe_xupD5wHK3d7Oe85QKgApksBMsslcn5cHlrEeGYvIbif5ow/viewform?usp=sf_link
3.	https://docs.google.com/forms/d/e/1FAIpQLSe_xupD5wHK3d7Oe85QKgApksBMsslcn5cHlrEeGYvIbif5ow/viewform?usp=sf_link
4.	https://docs.google.com/forms/d/e/1FAIpQLSe_xupD5wHK3d7Oe85QKgApksBMsslcn5cHlrEeGYvIbif5ow/viewform?usp=sf_link


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 Karad



WhatsApp groups of Physics Department

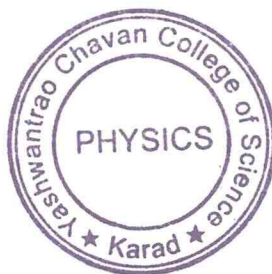
Sr. No.	Class	Link
1.	B.Sc.-III Physics (2023-24)	https://chat.whatsapp.com/FzYPO272NNa6rETtqeIq35
2.	B.Sc.-III Physics (2022-23)	https://chat.whatsapp.com/LANMRGZyQAoJLLPOYOikLx
3.	B.Sc.-III Physics (2021-22)	https://chat.whatsapp.com/EbJKCHxNw72HgHNk3GNhKH
4.	B.Sc.-III Physics (2020-21)	https://chat.whatsapp.com/HZO8HkLSsV9DkaEsfap8nu
5.	B.Sc.-II Physics (2023-24)	https://chat.whatsapp.com/DesVRCdV6DF2XHoRXYdaMs
6.	B.Sc.-II Physics (2022-23)	https://chat.whatsapp.com/JblP2x1VqbUFJzetXtZneS
7.	B.Sc.-II Physics (2021-22)	https://chat.whatsapp.com/LANMRGZyQAoJLLPOYOikLx
8.	B.Sc.-II Physics (2020-21)	https://chat.whatsapp.com/DvY8CB5D2SvK5GVvhiI0Ni
9.	B.Sc.-I Physics (2023-24)	https://chat.whatsapp.com/EQhBgVSOeghlTglrMmrZoD
10.	B.Sc.-I Physics (2022-23)	https://chat.whatsapp.com/DesVRCdV6DF2XHoRXYdaMs
11.	B.Sc.-I Physics (2021-22)	https://chat.whatsapp.com/JblP2x1VqbUFJzetXtZneS
12.	B.Sc.-I Physics (2020-21)	https://chat.whatsapp.com/LANMRGZyQAoJLLPOYOikLx



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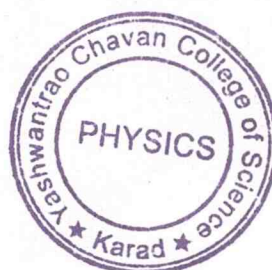
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Online Teaching Report

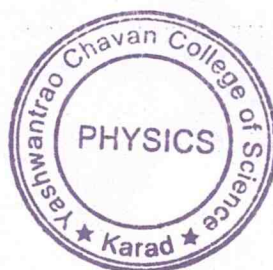
Department of Physics

1) Name of Teacher: Miss. Madane P.K.

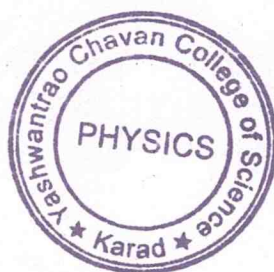
Class	Date	Paper Name	Topic	Mode of teaching	Link	View	Time Duration (Min)
B.Sc.- III	24/08/2020	Classical Mechanics and Classical Electrodynamics	Lagrangian formulation	Google Meet	https://meet.google.com/ipu-rtfc-wxd	6	45
B.Sc.- III	30/08/2020	Classical Mechanics and Classical Electrodynamics	Lagrangian formulation	Google Meet	https://meet.google.com/wcs-pvqc-dnq	3	50
B.Sc.- II	26/10/2020	Thermal Physics and Stastical Mechanics-I	Law of thermodynamics	Google Meet	http://meet.google.com/tm-vobu-thq	25	50
B.Sc.- II	27/10/2020	Thermal Physics and Stastical Mechanics-I	Law of thermodynamics	Google Meet	http://meet.google.com/abs-uuuk-yby	27	45
B.Sc.- I	18/01/2021	Mechanics	Vectors	Google Meet	http://meet.google.com/bpb-nhfs-irk	25	40
B.Sc.- I	27/01/2021	Mechanics	Vectors, Ordinary differential equation	Google Meet	http://meet.google.com/txw-gqak-ijh	26	45
B.Sc.- I	29/01/2021	Mechanics	Law of motion	Google Meet	http://meet.google.com/gbm-sorw-oqm	25	45
B.Sc.- III	05/02/2021	Classical Mechanics and Classical Electrodynamics	Techniques of calculus of variation	Google Meet	http://meet.google.com/jwh-xvat-veu	5	45



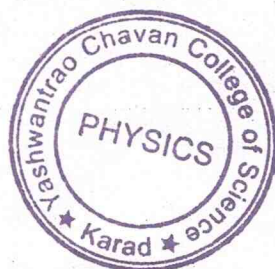
Class	Date	Paper -XII	Topic	Mode of teaching	Link	View	Time Duration (Min)
B.Sc.- I	09/02/2021	Mechanics	Momentum of energy	Google Meet	https://meet.google.com/ihc-sbnw-ttt	32	45
B.Sc.- III	07/05/2021	Energy Studies and Material science	Introduction of paper	Google Meet	https://meet.google.com/gbm-sorv-oqm	3	50
B.Sc.- III	08/05/2021	Energy Studies and Material science	Energy and wind energy	Google Meet	https://meet.google.com/zti-prqu-pzk	5	50
B.Sc.- III	15/05/2021	Energy Studies and Material science	Energy and wind energy	Google Meet	http://meet.google.com/abs-uuuk-yby	7	45
B.Sc.- III	17/05/2021	Energy Studies and Material science	Solar Energy	Google Meet	http://meet.google.com/bpb-nhfs-irk	5	40
B.Sc.- III	18/05/2021	Energy Studies and Material science	Solar Energy	Google Meet	http://meet.google.com/txw-gqak-ijh	6	45
B.Sc.- III	07/06/2021	Energy Studies and Material science	Biomass Energy	Google Meet	http://meet.google.com/coi-gtde-rgi	6	45
B.Sc.- III	09/06/2021	Energy Studies and Material science	Idea of superconductivity	Google Meet	http://meet.google.com/ppj-dcpz-ssu	4	45
B.Sc.- II	12/06/2021	Wave and Optics-II	Cardinal Points	Google Meet	http://meet.google.com/qmd-dzvo-kws	24	50
B.Sc.- II	14/06/2021	Wave and Optics-II	Relation between lateral, axial and angular magnification	Google Meet	http://meet.google.com/rud-sdij-iys	25	50



Class	Date	Paper -XII	Topic	Mode of teaching	Link	View	Time Duration (Min)
B.Sc.- III	16/06/2021	Energy Studies and Material science	Application of superconductor	Google Meet	https://meet.google.com/mjp-qzpf-aeg	6	45
B.Sc.- II	18/06/2021	Wave and Optics-II	Resolving power of optical instruments	Google Meet	https://meet.google.com/oce-unnc-kgh	23	50
B.Sc.- II	28/06/2021	Wave and Optics-II	Resolving power of Prism	Google Meet	https://meet.google.com/zji-osjq-tcy	25	50
B.Sc.- II	30/06/2021	Wave and Optics-II	Polarisation of light	Google Meet	http://meet.google.com/jgi-dphb-tfa	27	45
B.Sc.- II	01/07/2021	Wave and Optics-II	Idea of Polarisation	Google Meet	http://meet.google.com/ied-zvqh-riu	25	40
B.Sc.- II	01/07/2021	Wave and Optics-II	Polarimeter, optical relation	Google Meet	http://meet.google.com/hfh-nwuv-wbp	26	45
B.Sc.- II	05/07/2021	Wave and Optics-II	Interference	Google Meet	http://meet.google.com/srq-yvqh-aon	28	45
B.Sc.- II	03/07/2021	Wave and Optics-II	Newton rings	Google Meet	http://meet.google.com/ync-ooqq-tby	26	50
B.Sc.- I	09/07/2021	Electricity and Magnetism-I	Introduction of vector analysis	Google Meet	http://meet.google.com/xph-rhnq-rrg	33	45
B.Sc.- I	10/07/2021	Electricity and Magnetism-I	Scalar product or dot product	Google Meet	http://meet.google.com/ahs-wudt-wus	33	45



Class	Date	Paper -XII	Topic	Mode of teaching	Link	View	Time Duration (Min)
B.Sc.- I	11/07/2021	Electricity and Magnetism-I	Vector product or cross product	Google Meet	https://meet.google.com/rag-fefw-efq	26	45
B.Sc.- I	15/07/2021	Electricity and Magnetism-I	Surface and volume intergral of vector field	Google Meet	https://meet.google.com/fdv-hmjy-njm	23	50
B.Sc.- I	15/07/2021	Wave and Optics-II	Resolving power of Prism	Google Meet	https://meet.google.com/zji-osjq-tey	25	50
B.Sc.- I	16/07/2021	Electricity and Magnetism-I	Gauss divergence theorem	Google Meet	http://meet.google.com/rpi-yqrq-qmr	27	45
B.Sc.- I	21/07/2021	Electricity and Magnetism-I	Electrostatics	Google Meet	http://meet.google.com/kca-bzya-opw	25	40
B.Sc.- I	24/07/2021	Electricity and Magnetism-I	Gauss theorem of Electrostatics	Google Meet	http://meet.google.com/emv-tydi-gyt	26	45
B.Sc.- II	26/07/2021	Wave and Optics-II	Diffraction	Google Meet	http://meet.google.com/squ-sgni-vty	26	45
B.Sc.- II	26/07/2021	Electricity and Magnetism-I	Electrostatics	Google Meet	http://meet.google.com/mah-hnuq-hey	26	45
B.Sc.- III	28/07/2021	Energy Studies and Material science	Type-I and Type-II Superconductor	Google Meet	http://meet.google.com/bth-tutv-zez	6	50
B.Sc.- I	28/07/2021	Electricity and Magnetism-I	Electrostatics	Google Meet	http://meet.google.com/mms-vrcp-oyw	26	45



mme
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