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2.3.2: ICT TOOLS USED FOR TEACHING LEARNING

The lists of resources used by our faculty in the Academic year 2019-20 are presented in the following order.

- ❖ LMS - Google Classroom links
- ❖ LMS – CANVAS links
- ❖ LMS – Moodle links
- ❖ YouTube links
- ❖ YouTube Channels
- ❖ Online quizzes
- ❖ Open Source Resources
- ❖ Documentaries and films
- ❖ Blogs
- ❖ TED talks
- ❖ Online Journals (References)




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GOOGLE CLASSROOM LINKS

Subject	Link	Faculty
Geology	<p>SGEO5.02- IGNEOUS PETROLOGY</p> <ul style="list-style-type: none">https://classroom.google.com/u/1/c/Njg2MjczNzY5MFpa <p>SGEO9.02Hydrogeology</p> <ul style="list-style-type: none">https://drive.google.com/drive/u/1/folders/11INUWgxh7RGBixRtmDMzj-81DGKx4_I9?authuser=1 <p>SGEO04.02(MSC)</p> <ul style="list-style-type: none">https://classroom.google.com/u/1/c/NDA4MTEyNz M5MDdahttps://drive.google.com/drive/folders/1ZukxGD161LcOFF_0vvgQblmcwKL6n2d?usp=sharing <p>SGEO0802 – MSC-II</p> <ul style="list-style-type: none">https://classroom.google.com/u/1/c/NDg2NDI3MDcxOTdahttps://classroom.google.com/u/1/c/NTIwMzcyMDg1INDNa	Dr. Bobby Mathew
Microbiology	<ul style="list-style-type: none">https://classroom.google.com/u/0/c/NDA4MTc1NzI5NzJahttps://classroom.google.com/u/0/c/NDA4MTc1NzI5NDIahttps://classroom.google.com/u/0/c/NTAwMjI5OTMxMzVahttps://classroom.google.com/c/NDA4MzQzMjgxODIahttps://classroom.google.com/c/MjEyODY3MTg3OTAx?cjc=427I4o6https://classroom.google.com/c/MTE2NTMyMDgwODU0?cjc=rr5n6fphttps://classroom.google.com/c/NDA4MzQzMjgxODIa?cjc=pcozredhttps://classroom.google.com/c/NTAwMjI5OTMxMzVa?cjc=lueek5khttps://classroom.google.com/c/NDA4NzY1MjE3NDIa?cjc=mjhdytk	Dr. Karuna Gokarn Ms. Sangeeta Chavan Dr. Pampi Chakravarty
Psychology	<ul style="list-style-type: none">https://classroom.google.com/u/0/c/NDA4MDQ4MjYwMzFahttps://classroom.google.com/u/0/c/NzAzNzg1NDY1NTRa	Ms. Linda Dhakul



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Subject	Link	Faculty
Botany	Sc. Part I <ul style="list-style-type: none">https://classroom.google.com/u/0/c/NDMwMjE4MTc4NjRa TYBSc <ul style="list-style-type: none">https://classroom.google.com/u/0/c/MjQ4MTQyODUwOTBa	Dr. Vijaya Lobo
Biotechnology	<ul style="list-style-type: none">https://classroom.google.com/c/NDk5NzU4OTA2Mjdahttps://classroom.google.com/c/NTA0MDU0MDgzNzJa	Ms. Norine D'Souza Dr. Shiney Peter
Chemistry	<ul style="list-style-type: none">https://classroom.google.com/c/NDA4MTI5Nzk4NTJa (Scientific Communication Course)https://classroom.google.com/c/NDA3MzkwNjE1MTha (TYBSc)https://classroom.google.com/c/NDA3NjM0MTgyNjRa (Enrichment forum)https://classroom.google.com/c/NDA4MTI5Nzk4NTJahttps://classroom.google.com/c/NTE0MDM2NTE1MDdaChem Scientific Communication Skills https://classroom.google.com/c/NTE0MDM2NTE1MDda?cjc=dcyqnvqhttps://classroom.google.com/c/NDA4MTcyNDI3NTdahttps://classroom.google.com/c/MTMwMjE4MTAzMDcx?cjc=mdeqgvxhttps://classroom.google.com/c/MTE2OTIzODM5NjYx?cjc=ecprqbrhttps://classroom.google.com/c/MTE2OTIzODM5Njg5?cjc=3ulja4uhttps://classroom.google.com/u/1/c/MTM3Njk2MTk0MzUw	Merazban Kotwal Dr. Abhilasha Jain Dr. Nikhila Bhat Dr. Prahlad Rege Ms. Shweta Gurav Mr. Kyle Meyers



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Physics	<p>SPHY0501: Classical mechanics</p> <ul style="list-style-type: none">• https://classroom.google.com/c/NDA5MDI2MzYxMDNa <p>SPHY0601: Solid State Physics</p> <ul style="list-style-type: none">• https://classroom.google.com/c/NDc4MzUzNzE4ODRa <p>TYBSC Project SEM-6</p> <ul style="list-style-type: none">• https://classroom.google.com/c/NDg1ODA3ODQ3NTZa• SPHY0702: Classical Mechanics (MSc-1)• https://classroom.google.com/c/NDexODQ3NTc5OTRa <p>SPHY0802: Solid State Physics (MSc-1)</p> <ul style="list-style-type: none">• https://classroom.google.com/c/NTI2OTQ1NDQ0MjBa <p>MSc-1 Lab Course</p> <ul style="list-style-type: none">• https://classroom.google.com/c/NTM1Nzk4NTE2MjBa• https://classroom.google.com/c/NTM1Nzk4NTE2MjBa• https://classroom.google.com/c/NDczMDQxMTkzMzda• https://classroom.google.com/r/NDExMDUxMzc2MjJa/sort-last-name• https://classroom.google.com/c/MjQ4OTk1Nzc4OTda• https://classroom.google.com/c/MjQ4OTkyNTYyMjda• https://classroom.google.com/c/NDczMDQxMTkzMzda (FYBSc)• https://classroom.google.com/c/MTY1MDg4NjkwNjRa (SYBSc)• https://classroom.google.com/c/MTY1MTAxMjI5OTVa (TYBSc) <p>SY labs</p> <ul style="list-style-type: none">• https://classroom.google.com/u/0/c/MTQxNDg0ODI2NzMz• https://classroom.google.com/u/0/c/MTQxNDg0ODI2NzQx• https://classroom.google.com/u/0/c/MTQxNDg0ODI2NzQ5• https://classroom.google.com/u/0/c/MTQxNDg0ODI2NzU3	<p>Dr. Radhekrishna L. Dubey</p> <p>Dr. Vedasankari K</p> <p>Dr. S.P. Bodhane</p> <p>Ms. Katherine Rawlins</p>
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	<ul style="list-style-type: none">• https://classroom.google.com/u/0/c/MTQxNDg0ODI2NzY1• https://classroom.google.com/u/0/c/MTQxNDgxNjQ2NDk5 <p>TY lab</p> <ul style="list-style-type: none">• https://classroom.google.com/u/0/c/MTE5MzEwMDM0MzQ5?cjc=sp6wv54 <p>SPHY0303- Electronics I</p> <ul style="list-style-type: none">• https://classroom.google.com/c/MTI4NjY4NTcxMDIy?cjc=sp6wv54 <p>SPHY0502-Statistical Mechanics</p> <ul style="list-style-type: none">• https://classroom.google.com/u/0/c/MTE3MDI1MTk4MDU4 <p>SPHY0801 Statistical Mechanics (2019-2020)</p> <ul style="list-style-type: none">• https://classroom.google.com/c/NTQ0MTI1ODY4OFRa <p>MSc Physics Lab (2019-2020)</p> <ul style="list-style-type: none">• https://classroom.google.com/c/NTM1Nzk4NTE2MjBa <p>S.PHY.2.02</p> <ul style="list-style-type: none">• https://classroom.google.com/u/1/c/NDczMDQxMTkzMzda <p>S.PHY.5.AC</p> <ul style="list-style-type: none">• https://classroom.google.com/u/0/c/MTYzNTIzMjcxMDRa• https://classroom.google.com/u/0/c/MTQ4ODE1NTIzNDBa• https://classroom.google.com/u/0/c/MTE4MTYyMzQwNjQ5• https://classroom.google.com/u/0/c/MTQxNDg0ODI2NzMz• https://classroom.google.com/u/0/c/MTQxNDg0ODI2NzQx• https://classroom.google.com/u/0/c/MTQxNDg0ODI2NzQ5	<p>Mr. Rajesh Singh</p> <p>Dr. Rohan Jadhav</p>
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Subject	Link	Faculty	
	<ul style="list-style-type: none">https://classroom.google.com/u/0/c/MTQxNDg0ODI2NzU3https://classroom.google.com/u/0/c/MTQxNDg0ODI2NzY1https://classroom.google.com/u/0/c/MTQxNDgxNjQ2NDk5		
Life Science	SYBSc Biostatistics Practicals <ul style="list-style-type: none">https://classroom.google.com/u/0/c/OTU4NzU5MDYzMTZa	Dr. Priya Sundarrajan	
	TYBSc SLSC 603 Theory <ul style="list-style-type: none">https://classroom.google.com/u/0/c/MTAwMzU4MjEzMjE5https://classroom.google.com/c/NDc2ODUwMzY4NjBa	Dr. Sangeeta Shetty	
	SLSC0601 <ul style="list-style-type: none">https://classroom.google.com/u/0/c/NDg1NzU0MzI0MjJa		
	SLSC0804 <ul style="list-style-type: none">https://classroom.google.com/u/0/c/OTAwODIzMDI3ODBa		
Mathematics	<ul style="list-style-type: none">https://classroom.google.com/u/1/c/NDA4MTgyMzY1NjJahttps://classroom.google.com/u/1/c/NDcxODIwMzA3ODdahttps://classroom.google.com/u/1/c/NDA5NTU5NjYzMTBahttps://classroom.google.com/u/0/c/NDA4MjYxMDYzODha	Ms. Simi Cyriac Mr. Rahul Katkam	
	Statistics	<ul style="list-style-type: none">https://drive.google.com/open?id=1jL-OnTH6dZP4R6IWVUOfi62V_3hVyOO0https://drive.google.com/open?id=1T91PwgTe5tcw-qga1lGf-5RFQsDDidf2	Mr. Mayur More



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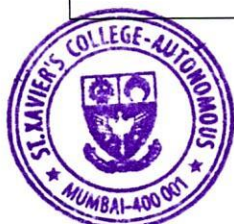
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Subject	Link	Faculty
Microbiology	<ul style="list-style-type: none">• https://classroom.google.com/u/0/c/NDA4MTY00TIxNTFa• https://classroom.google.com/u/0/c/NDcyOTcxMTQ4MDha• https://classroom.google.com/u/0/c/NDA4NjEwMTk2ODBa• https://classroom.google.com/u/0/c/NDgzMjY2MzI5Nzha	Dr. Pradnya Gogte
Department of Management Studies	<p>Entrepreneurship</p> <ul style="list-style-type: none">• https://classroom.google.com/u/3/c/NDA4ODE0MTQ4MjJa• https://classroom.google.com/u/3/c/NDA4NTUzNTAzNjFa• https://classroom.google.com/u/3/c/NDA4NTQ0NTQzNjha• https://classroom.google.com/u/3/c/NDA4NDY4NTk0NjFa <p>HRD Training and Development</p> <ul style="list-style-type: none">• https://classroom.google.com/c/MTE4MTMyOTAxNTUw/m/MTMxNzc4OTQ5MTMw/details• https://classroom.google.com/c/MTE4MTMyOTAxNTUw/m/MTIyMjYxMjM2NTQ3/details <p>CMS0507 (Elective II)</p> <ul style="list-style-type: none">• https://classroom.google.com/c/NDA4ODMwNzMwMjda <p>CMS0502</p> <ul style="list-style-type: none">• https://classroom.google.com/c/NDA4ODMwNzI2NzRa <p>CMS0304</p> <ul style="list-style-type: none">• https://classroom.google.com/c/NDA4ODMwNzI3MTda	Ms. Neelam Shetty Ms. Soni George Tharakan



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Subject	Link	Faculty
	<u>LMS- CANVAS</u>	
Physics	<ul style="list-style-type: none">• https://canvas.instructure.com/courses/2365378• https://canvas.instructure.com/courses/2365072	Dr. Rohan Jadhav
Microbiology	<ul style="list-style-type: none">• https://canvas.instructure.com/courses/2263718/users• https://canvas.instructure.com/courses/2090426	Dr. Pampi Chakravarty
	<u>LMS - MOODLE</u>	
Botany	SBOT101 Thallophyta: Moodle: <ul style="list-style-type: none">• http://moodle.stxaviers.net	Dr. Vijaya Lobo



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YOUTUBE LINKS AND EDUCATIONAL VIDEOS

- **Bobby Mathew (Department of Geology)**
 - <https://www.youtube.com/watch?v=SnzFv2HbhY4>

- **Dr. Ashma Agarwal (Department of Chemistry)**
 - https://www.youtube.com/watch?v=iTb_KRG6LXo
 - <https://www.youtube.com/watch?v=JhfoDy904E>
 - <https://www.youtube.com/watch?v=gYeLHFr2LA>
 - <https://www.rigb.org/christmaslectures/watch/1993/thecosmiconion/invadersfromouterspace>
 - <https://www.youtube.com/watch?v=uB6jm5IkQbg>
 - <https://www.youtube.com/watch?v=h0dF2FUo5WU>

- **Dr. Rashmi Lee George (Department of English)**
 - https://www.youtube.com/watch?v=jWKXit_3rpQ Killing Us Softly 4
 - <https://www.youtube.com/watch?v=D9Ihs241zeg&t=209s> The danger of a single story | Chimamanda Ngozi Adichie
 - <https://www.youtube.com/watch?v=-jf6pwtPqCs> Mile Sur Mera Tumhara - Original - High Quality
 - <https://www.youtube.com/watch?v=wHGqp8lz36c> J.K. Rowling Speaks at Harvard Commencement
 - <https://www.youtube.com/watch?v=TYtoDunfu00&t=149s> Filmmaker Steven Spielberg Speech | Harvard Commencement 2016
 - <https://www.youtube.com/watch?v=vP4iY1TtS3sI> Have a Dream speech by Martin Luther King .Jr HD (subtitled)
 - <https://www.youtube.com/watch?v=XFSjR83kR5s> McDonalds Experiment | Super Size Me | CZ titulky | Dokument

- **Dr. Bhaskar Saha (Department of Life Science & Biochemistry)**
 - <https://www.youtube.com/watch?v=5z92Bk1rQ30> (Evolution of the guts)
 - <https://www.youtube.com/watch?v=JwaeWXhklio> (Physiology of Micturition)
 - <https://www.youtube.com/watch?v=LVzgwQwBIW4> (ECG, EKG Lesson)
 - <https://www.youtube.com/watch?v=dHi9ctwDUnc> (Bohr and Haldane effect)
 - https://www.youtube.com/watch?v=64_ZfIemRGM (Aldosterone raises blood pressure)
 - <https://www.youtube.com/watch?v=VYSFNwTUKG0> (The ovarian cycle)



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- <https://www.youtube.com/watch?v=D1zkVBHPh5c>(Basic parts of the brain – Part 1)
- <https://www.youtube.com/watch?v=8hC6NGQReL4>(Basic parts of the brain – Part 2)
- <https://www.youtube.com/watch?v=kXJ7LfgHph0>(Radha Kalluri's lecture on the Vestibular system)
- <https://www.youtube.com/watch?v=PeTriGTENoc>(Auditory transduction)
- <https://www.youtube.com/watch?v=ytOvnly6cgg>(Introduction to Transcription - Robert Tjian (BerkeleyHHMI))
- <https://www.youtube.com/watch?v=ugMJrhQSfm8>(The molecular Biology of Gene expression)
- <https://www.youtube.com/watch?v=9AfBsTAQ8zs>(Epigenetics, what makes us who we are)

➤ Dr. Seema Das (Department of Life Science & Biochemistry)

✓ Ecology and Environment:

- <https://www.youtube.com/watch?v=cysSmAKT-T4>
- <https://www.youtube.com/watch?v=V49IovRSJDs>
- <https://www.youtube.com/watch?v=d7xbyNSxxrI>

✓ Developmental Biology

- <https://www.youtube.com/watch?v=LKaam4zW0Uk>
- <https://www.youtube.com/watch?v=4445zftLCDQ>
- https://www.youtube.com/watch?v=Op_J65zQ7il
- <https://www.youtube.com/watch?v=PedajVADLGw>
- <https://www.youtube.com/watch?v=vBGumRAWaa0>
- <https://www.youtube.com/watch?v=rO2JoENBOv0>
- <https://www.youtube.com/watch?v=VpbdqGJ9LWk>
- <https://www.youtube.com/watch?v=7AUeM8Mbalk>

✓ Sustainable Development and Carbon Management


- <https://in.video.search.yahoo.com/yhs/search?fr=yhs-trp-001&hsimp=yhs-001&hspart=trp&p=Global+warming#id=1&vid=acf765676c9df9f06b06d1e1771ef549&action=click>

✓ Immunology

- <https://www.youtube.com/watch?v=8mEnyBdsr8>
- <https://www.youtube.com/watch?v=r8rlyNeQep0>
- <https://www.youtube.com/watch?v=Bn5Rw16buSA>



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➤ Dr. Hrishikesh Samant (Department of Geology)

✓ FY.B.Sc – Course SGEO0102

- Interior of the Earth: https://www.youtube.com/watch?v=Hj3ihz_BFS0
- Earth's Interior and Plate Tectonics:
https://www.youtube.com/watch?v=0mWQs1_L3fA
- Calculating the Earth's Circumference:
<https://www.youtube.com/watch?v=Mw30CgaXiQw>
- Age of our Solar system <https://www.youtube.com/watch?v=MDcyedVKY9w>
- Age of our Universe <https://www.youtube.com/watch?v=vIJTwYOZrGU>
- SOrigin of Earth's Magnetic Field – Herndon's Theory (by Herndon)
<https://www.youtube.com/watch?v=O-V3yR2RZUE>
- Earth's Magnetic Field – Representation errors:
https://www.youtube.com/watch?v=3g49Dtb_JfM
- Construction of a Brunton Compass
<https://www.youtube.com/watch?v=UxubLh2Ross>
- Using a Brunton Compass for Sighting:
<https://www.youtube.com/watch?v=mUFi2PNh33c>
- Calculating the Mass of the Earth
<https://www.youtube.com/watch?v=9yMQM5AN8mc>
<https://www.youtube.com/watch?v=SXUNEDOigtc>
- Temperature of Earth's Interior
<https://www.youtube.com/watch?v=0MSoJATITrQ>
- Ocean Circulation (additional Resource)
<https://www.youtube.com/watch?v=DIufhbYb-DA>
- Atmospheric Circulation (additional resource)
<https://www.youtube.com/watch?v=-ZEZvu64Im0>
- Earth's Atmosphere – Temperature Gradient
<https://www.youtube.com/watch?v=fpwGcxnk9UE>
- TY.BSc: Fieldwork Introduction:
<https://www.youtube.com/watch?v=Fpd84rADuC8&t=907s>

➤ Dr. Priya Sundarrajan (Department of Life Science & Biochemistry)

✓ Videos: - Recombination and repair

- https://www.youtube.com/watch?v=hEcd_CRtAaM
- <https://www.youtube.com/watch?v=86JCMM5kb2A>
- <https://www.youtube.com/watch?v=5638I3fGuW4>



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- ✓ Restriction enzymes and gene cloning
 - <https://www.youtube.com/watch?v=5hgbedQPISI>
 - <https://www.youtube.com/watch?v=LN-E6vFKejk>
 - <https://www.youtube.com/watch?v=aA5fyWJh5S0>
- ✓ Gene cloning
 - <https://www.youtube.com/watch?v=MifDx417SDs>
 - <https://www.youtube.com/watch?v=GNMJBMtKKWU>
 - <https://blog.addgene.org/plasmids-101-what-is-a-plasmid>
 - <https://www.youtube.com/watch?v=VEUx5kXJPHM>
- ✓ Sequencing
 - <https://www.youtube.com/watch?v=I5pwZTJMVCQ>
 - <https://www.youtube.com/watch?v=FvHRio1yyhQ>
 - <https://www.youtube.com/watch?v=jFCD8Q6qSTM>
- ✓ Plant transgenesis
 - <https://www.youtube.com/watch?v=JtkhHIG3nx4>
 - <https://www.youtube.com/watch?v=1GF-T3TRcHc>
- ✓ Animal transgenesis
 - <https://youtu.be/QO2yyS0CMQw>
 - <https://www.youtube.com/watch?v=gFJkPWTI2PA>
- ✓ RNA
 - https://www.youtube.com/watch?v=cK-OGB1_ELE
- ✓ Transposons
 - <https://www.youtube.com/watch?v=CroyUMRpbxg>
 - https://www.youtube.com/watch?v=eSD_tbjfSIA
- ✓ PCR
 - <https://www.youtube.com/watch?v=iQsu3Kz9NYo>
 - <https://www.youtube.com/watch?v=matsiHSuoOw>
- ✓ DNA replication
 - <https://www.youtube.com/watch?v=TNKWgcFPHqw>
 - <https://www.youtube.com/watch?v=9kp9wiYMQUU>
- ✓ Transcription
 - https://www.youtube.com/watch?v=EMDuf_kBJcs
 - https://www.youtube.com/watch?v=EMDuf_kBJcs
- ✓ Translation
 - <https://www.youtube.com/watch?v=MWWV4LJsfC0>
 - <https://www.khanacademy.org/science/ap-biology/gene-expression-and-regulation/translation/v/differences-in-translation-between-prokaryotes-and-eukaryotes>



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✓ Cellular transport

- <https://www.youtube.com/watch?v=RPAZvs4hvGA>

➤ Dr. Vidasankari K (Department of Physics)

✓ S.PHY.0603- NUCLEAR PHYSICS: Links for reactors

- http://youtu.be/k6eyJ_VMdu8
- <http://youtu.be/o1RRNiYQAAI>
- <http://youtu.be/gGaDP7aHXCX>
- <http://youtu.be/kuq1HU2gYEK>
- <http://youtu.be/v0R2MrckXm4>
- <http://youtu.be/gKL2QzYF1>
- <http://youtu.be/MSFgmLW1Crw>
- <http://youtu.be/0W011-aJvPE>
- http://youtu.be/eg8S5oiV_Kw
- <http://youtu.be/nn1zESA0V8k>
- <http://youtu.be/zxp2Z9s9fv0>

✓ Links for accelerators


- <http://youtu.be/dWgmphYiOgY>
- <http://youtu.be/hy9atKAqAf4>
- <http://youtu.be/k27PZCUPeiE>
- <http://youtu.be/7XyBRP0iijE>
- <http://youtu.be/t452al6aV8k>
- <http://youtu.be/L6AN6UwTTjU>
- <http://youtu.be/lAamFQWwh94>
- <http://youtu.be/tcHz3o4t6Rk>

✓ Links for detectors

- <http://youtu.be/b6FMnWX298Q>
- <http://youtu.be/QhNefoOwdO0>
- <http://youtu.be/2nUFruclWeI>
- <http://youtu.be/Me7XA2vv4F4>
- <http://youtu.be/HmzyubqDrko>
- http://youtu.be/_WCXGnv2Yn0
- <http://youtu.be/qcUwLH8L5AU>
- <http://youtu.be/bOFwOZrfDTM>
- <http://youtu.be/rx4fsG3DuZE>
- <http://youtu.be/hEIXAdQsyVU>



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- <http://youtu.be/OHMHSJ9dLTk>
- <http://youtu.be/7jQ12uUqK6E>
- http://youtu.be/ri1jgvu_Wy0
- <http://youtu.be/Cb6OBVrkuRo>
- <http://youtu.be/Utep0WG-tYk>
- http://youtu.be/M--8-XFA_M0
- <http://youtu.be/MA3ypCIUf6c>

✓ S.PHY.2.02- OPTICS AND EM WAVES

- <https://www.youtube.com/watch?v=K40INL3KsJ4&feature=share>
- https://www.youtube.com/playlist?list=PL8dPuuaLjXtN0ge7yDk_UA0ldZJdhwkoV

➤ **Mr. Arun Singh (Department of History)**

- https://www.youtube.com/results?search_query=vidya+mitra+
- <https://www.youtube.com/watch?v=9NAAt0nimgwg&list=PLBIJMxSRXVDYGbH7kVTPq2cuY1NkZCWX4&index=16>
- <https://www.youtube.com/watch?v=nALxBEGLKRA&list=PLBIJMxSRXVDYGbH7kVTPq2cuY1NkZCWX4&index=15>
- <https://www.youtube.com/watch?v=PQwHgU4l2Ks&list=PLBIJMxSRXVDYGbH7kVTPq2cuY1NkZCWX4&index=20>
- <https://www.youtube.com/watch?v=dS33u7hkUPY&list=PLBIJMxSRXVDYGbH7kVTPq2cuY1NkZCWX4&index=23>
- <https://www.youtube.com/watch?v=2o6dIqqHoUg&list=PLBIJMxSRXVDYGbH7kVTPq2cuY1NkZCWX4&index=32>
- <https://www.youtube.com/watch?v=DA4aOKGI7d4&list=PLBIJMxSRXVDYGbH7kVTPq2cuY1NkZCWX4&index=34>
- <https://www.youtube.com/watch?v=nHxEvs8NbGM&list=PLBIJMxSRXVDYGbH7kVTPq2cuY1NkZCWX4&index=38>
- <https://www.youtube.com/watch?v=SH-SHjaSDbA&list=PLBIJMxSRXVDYGbH7kVTPq2cuY1NkZCWX4&index=40>
- <https://www.youtube.com/watch?v=uVJ8s56BR9g&list=PLBIJMxSRXVDYGbH7kVTPq2cuY1NkZCWX4&index=49>
- https://www.youtube.com/watch?v=A_e0lce1hqs&list=PLBIJMxSRXVDYGbH7kVTPq2cuY1NkZCWX4&index=53
- <https://www.youtube.com/watch?v=1bF766aXVQk&list=PLBIJMxSRXVDYGbH7kVTPq2cuY1NkZCWX4&index=58>
- <https://www.youtube.com/watch?v=uOJlbFu04wc&list=PLBIJMxSRXVDYGbH7kVTPq2cuY1NkZCWX4&index=62>



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- <https://www.youtube.com/watch?v=eDH6laAeh1Q&list=PLBIJMxSRXVDYGbH7kVTPq2cuY1NkZCWX4&index=64>
- <https://www.youtube.com/watch?v=GhU1S7JC0O4&list=PLBIJMxSRXVDYGbH7kVTPq2cuY1NkZCWX4&index=66>

➤ Dr. Geeta Kotian (Department of Chemistry)

- <http://faculty.otterbein.edu/djohnston/sym/gallery/index>
- https://www.doitpoms.ac.uk/tlplib/miller_indices/lattice
- <http://chemistry.bd.psu.edu/jircitano/Miller.html>
- <https://www.chemtube3d.com/category/inorganic-chemistry/solid-state-cubic-structures/>
- <https://www.youtube.com/watch?v=1INSXB4i4fE>
- <http://www.askiitians.com/iit-jee-solid-state/imperfections-in-solids-and-defects-in-crystals>
- <https://www.youtube.com/watch?v=ie-KfQionjY>
- <https://www.youtube.com/watch?v=KNgRBqj9FS8>
- <https://www.youtube.com/watch?v=uKpr-9vmgsc>
- [http://www.chemtube3d.com/solidstate/_sync\(fluorite\).htm](http://www.chemtube3d.com/solidstate/_sync(fluorite).htm)
- <http://www.doitpoms.ac.uk/tlplib/superconductivity/discovery.php><http://www.superconductors.org/terms.htm>
- ✓ Fakes, forgeries and mystery of paintings
 - <https://www.youtube.com/watch?v=YP8nmaNQeoQ>
- ✓ Aluminum the material that changed the world
 - <https://www.youtube.com/watch?v=yn9qhQSMCRk>

➤ Dr. Abhilasha Jain (Department of Chemistry)

- <https://www.youtube.com/watch?v=0m8bWKHmRMM>
- <https://www.news-medical.net/life-sciences/How-Does-Ion-Exchange-Chromatography-Work.aspx>
- <https://www.youtube.com/watch?v=P1wRXTI2L3I>
- <https://www.youtube.com/watch?v=pxC6F7bK8CU>
- <https://www.youtube.com/watch?v=v5h3h2E4z2Q>
- <https://www.youtube.com/watch?v=eaETFKXtNRA>
- <https://www.youtube.com/watch?v=PeFdI6KmxYM>
- <https://www.youtube.com/watch?v=TNKWgcFPHqw>
- https://www.youtube.com/watch?v=o_-6JXLYS-k
- <https://www.youtube.com/watch?v=gG7uCskUOrA>
- https://www.youtube.com/watch?v=1SH_8GpLZy4



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- <https://www.youtube.com/watch?v=K8eu0t4cOps>
- <https://www.youtube.com/watch?v=5iTz9yN4v4k>
- <https://www.youtube.com/watch?v=iQsu3Kz9NYo>

➤ Dr. S.P. Bodhane (Department of Physics)

✓ SYBSc

- <https://www.youtube.com/watch?v=J8A6QUxfk8c>
- <https://www.youtube.com/watch?v=JNi6WY7WKAI>
- <https://www.youtube.com/watch?v=7ukDKVHnac4&t=5s>
- <https://www.youtube.com/watch?v=wI45Rrt4j2U>
- <https://www.youtube.com/watch?v=MMD32gyHVQw>
- <https://www.youtube.com/watch?v=IcrBqCFLHIY&t=34s>

✓ FYBSc

- <https://www.youtube.com/watch?v=shJAV59NS6k>
- <https://www.youtube.com/watch?v=G3H5IKoWPpY>
- <https://www.youtube.com/watch?v=EzvQzImBuq8>
- <https://www.youtube.com/watch?v=1eOn5K9qZu4>
- https://www.youtube.com/watch?v=f_MZNsEqyQw
- <https://www.youtube.com/watch?v=gJkjkG8Vf8>
- https://www.youtube.com/watch?v=otu-KV3iH_I&t=5s
- <https://www.youtube.com/watch?v=KGTZPTnZBFE>
- <https://www.youtube.com/watch?v=DCOKK87i9yM>
- <https://www.youtube.com/watch?v=qQNpucos9wc>

➤ Katherine Rawlins (Department of Physics)

✓ Introduction to Statistical Mechanics: Lec 24 - RG method Ising model

- [https://nptel.ac.in/courses/115/103/115103113/\(https://www.youtube.com/watch?v=3yQUX3Yclhg\)](https://nptel.ac.in/courses/115/103/115103113/(https://www.youtube.com/watch?v=3yQUX3Yclhg))

✓ Phase transitions (Parts 1, 2, 3 & 4)

- https://www.youtube.com/watch?v=kKZsqO_xqNQ
- <https://www.youtube.com/watch?v=kl0lqRnfUWg>
- <https://www.youtube.com/watch?v=MIL7M0GKDOM>
- <https://www.youtube.com/watch?v=Wya57SmeN00>

✓ Nonequilibrium Statistical Mechanics

- <https://www.youtube.com/playlist?list=PLbMVogVj5nJQqNx0EISk3Ip04Ofg7B22W>



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- ✓ Developing a research question (for projects)
 - <https://www.youtube.com/watch?v=1oJNO6PYZe4>
 - <https://www.youtube.com/watch?v=mrWeLJZydUU>

➤ **Ms. Myrtle Fernandes (Department of Statistics)**

- ✓ Course Code: SSTA0102
 - Probability Sample spaces and Complement Rule
 - Probability of Dependent and Independent events
 - Probability of Union of events
 - Multiplication Rule of probability - Explained
 - Density Curves and their properties
 - Random variables
 - Discrete random variables
 - Understanding the Binomial distribution
 - Binomial Poisson and other distributions


- ✓ Course Code: SSTA0202
 - Introduction to Normal Distribution
 - Z-Scores, Standardization, and the Standard Normal Distribution
 - Understanding Hypothesis testing, p-value, t-test
 - Sampling Distribution - Central Limit Theorem - Normal Distribution

➤ **Ms. Ayesha Dias (Department of Statistics)**

- ✓ Course Code: SSTA0101 (hyperlinks)
 - Basic Terminology in Statistics
 - How to analyse data
 - Likert Scales
 - Likert vs Semantic Differential Scales
 - Designing a questionnaire
 - Various aspects of a Questionnaire
 - Meaning and need for Measures of Central Tendency
 - Basic calculation of mean, median and mode
- ✓ Course Code: SSTA0201 (hyperlinks)
 - Introduction to Index Numbers
 - Introduction to Index Numbers in Hindi Part 1
 - Introduction to Index Numbers in Hindi Part 2
 - Basic types of Index numbers
 - Understanding Range, SD, Variance and z-scores



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- Introduction to Skewness
- The Box & Whisker plot
- Introduction to Correlation
- Regression and R-squared explained

➤ **Ms. Pooja Ochaney (Department of Statistics)**

- <https://www.khanacademy.org/math/statistics-probability/random-variables-stats-library/binomial-random-variables/v/visualizing-a-binomial-distribution>
- <https://www.randomservices.org/random/apps/SpecialSimulation.html>
- <https://www.statisticshowto.com/erlang-distribution/>
- https://www.probabilitycourse.com/chapter4/4_2_4_Gamma_distribution.php
- <https://www.khanacademy.org/math/statistics-probability/significance-tests-one-sample/more-significance-testing-videos/v/hypothesis-testing-and-p-values>
- <https://www.google.co.in/search?q=Residual+analysis+using+graphs&ie=UTF-8&oe=UTF-8&oe=UTF-8&hhl=en-in&client=safari>

➤ **Ms. Piyali Unnikrishnan (Department of Statistics)**


- ✓ SSTAO302
 - https://www.youtube.com/watch?v=bQ5_PPRPjG4
- ✓ ASTAO302
 - <https://www.youtube.com/watch?v=x-Wx9KLRBpk>
- ✓ ASTAO302
 - <https://www.youtube.com/watch?v=4EUAnzLkHFU>
- ✓ ASTAO401
 - https://www.youtube.com/watch?v=OWSOhpS00_s&list=PLvxOuBpazmsPD_ZGwqhjhE3KkLWnTD34R0&index=2&t=0s

➤ **Mr. Mayur More (Department of Statistics)**

- ✓ Sampling
 - [Types of Sampling Methods](#)
 - [Sampling: Simple Random, Convenience, systematic, cluster, stratified - Statistics Help](#)
- ✓ Time series
 - [Time Series Forecasting Theory | AR, MA, ARMA, ARIMA | Data Science](#)
 - [Time Series Talk: Stationarity](#)
 - [Time Series Talk: Autocorrelation and Partial Autocorrelation](#)
 - [Time Series Talk: White Noise](#)
 - [A Complete Tutorial on Time Series Modeling in R](#)



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- Using R for Time Series Analysis
- ✓ Fitting of distributions
 - Fitting distributions to data and estimating parameters
- ✓ Regression analysis
 - Stepwise by R
 - Logistic Regression | Logistic Regression in Python
- **Dr. Leena Joshi (Department of Physics)**
 - ✓ S.PHY.2.02- OPTICS AND EM WAVES
 - <https://www.youtube.com/watch?v=K40INL3KsJ4&feature=share>
 - https://www.youtube.com/playlist?list=PL8dPuuaLjXtN0ge7yDk_UA0ldZJdh_wkoV
 - ✓ S.PHY.5.AC
 - <https://youtu.be/3BJU2drdtCM>
- **Dr. Smita Krishnan (Department of Zoology)**
 - <http://www.youtube.com/BBCEarth>
 - <http://bit.ly/BBCEarthWW>
 - <https://www.bbcstudios.com/contact/co>
 - <http://www.grunion.org/>
 - <http://bit.ly/BBCEarthSub>
- **Dr. Pushpa Sinkar (Department of Zoology)**
 - https://www.youtube.com/watch?v=P5_BxsbmXcA Liver structure and flow of blood
 - <https://www.youtube.com/watch?v=tat0QYxlCbo> Liver video
 - <https://www.youtube.com/watch?v=O71niTozP-o> Liver anatomy and function- Human physiology
 - <https://www.youtube.com/watch?v=Gn-ibhGE7PI> How the body works
 - ✓ Architecture of the liver
 - <https://www.youtube.com/watch?v=pyYI37R2Yws> Histology of adrenal gland
 - https://www.youtube.com/watch?v=ZDS3vJ_qTQ8 Functions of adrenal glands
 - <https://www.youtube.com/watch?v=IfGYdlwrTgE> Urinary System – human body
 - <https://www.youtube.com/watch?v=zEpUQkQ-uKM> Urinary system Part



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- ✓ The Kidneys
 - <https://www.youtube.com/watch?v=OvaFDglhwbA> Nephron structure and function
 - <https://www.youtube.com/watch?v=go8RoPj-M0A> Kidney Anatomy and Physiology
 - <https://www.youtube.com/watch?v=owJZiPbrHRs> Nephron and Urine formation

➤ **Dr. Annapurna S (Department of Statistics)**

- https://www.youtube.com/watch?v=VPZD_ajj8H0

➤ **Ms. Nandini Naik (Department of Public Policy)**

- ✓ Budget 2019 - Nirmala Sitharaman Presents 1st Budget Of Modi 2.0 Government
 - <http://youtu.be/suZUSd525T0>
- ✓ Borlaug and the Green Revolution in India - Dr. M.S. Swaminathan
 - <http://youtu.be/QJHZJFVJPU8>
- ✓ The State of Education | Yes, Prime Minister | BBC
 - http://youtu.be/yeF_o1Ss1NQ
- ✓ Course by CEA: M7.1. Subsidies for the Poor and Rich
 - <http://youtu.be/diRaPEnzToY>
- ✓ The Race to Save the Amur Falcon
 - <http://youtu.be/d6fM4wriIJo>
- ✓ The Decision to drop the bomb. (1965)
 - <http://youtu.be/T2W9CxVVMAc>
- ✓ Indian foreign policy in a changing world
 - <http://youtu.be/uCB6HpVPrys>
- ✓ World War One
 - <http://youtu.be/fi1OyVB2laY>
- ✓ The End of the International Liberal Order? Prof. Francis Fukuyama
 - <http://youtu.be/scAzukYHJjY>
- ✓ Joseph Nye on global power in the 21st century, the full lecture at Central European University
 - http://youtu.be/uAb8Z_l4aQI
- ✓ Steve Smith on bringing International Relations theory to life
 - <http://youtu.be/zvKRAd9b0zU>
- ✓ BBC History File: Cuban Missile Crisis
 - <http://youtu.be/dC4XhjBPEQ>
- ✓ The Secret of the Seven Sisters, Desert Storms
 - <http://youtu.be/TXG70xAnSU>



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- ✓ City of the Future: Singapore – Full Episode | National Geographic
 - <http://youtu.be/xi6r3hZe5Tg>
- ✓ National Geographic - Megacities: [Navi Mumbai Extract]
 - <http://youtu.be/YH-STykTgC4>
- ✓ Understanding the Financial Crisis
 - <http://youtu.be/JVSpPXterd0>
- ✓ Jane Jacobs vs Robert Moses: Urban Fight of the Century
 - <http://youtu.be/AUeuQT6t7kg>
- ✓ HARD talk Marxist David Harvey Academic Geographer New York
 - <http://youtu.be/UkWvx1QQ76c>
- ✓ City Slums - Megacity Problems
 - <https://youtu.be/6fcDF3PESXI>
- ✓ BBC Megacities Episode 1 'Living in the City'
 - https://youtu.be/_VpgRkn6_50
- ✓ Environmental Problems and Challenges
 - <https://youtu.be/fejCmJuj6I8>
- ✓ The Antarctic Ozone Hole -- From Discovery to Recovery, a Scientific Journey.
 - <http://youtu.be/AU0eNa4GrgU>
- ✓ 25th Anniversary Documentary - Montreal Protocol on Substances that Deplete the Ozone Layer.
 - <http://youtu.be/7nY6exEIP4A>
- ✓ Documentary The Bhopal Disaster INDIA Nat Geo Full 2014 720p HD
 - <http://youtu.be/HsuUQzhP2Ds>
- ✓ Sustainable development and the tragedy of commons
 - <http://youtu.be/ByXM47Ri1Kc>
- ✓ Paris Agreement: Last Week Tonight with John Oliver (HBO)
 - <http://youtu.be/5scez5dqtAc>
- ✓ Al Gore: The Case for Optimism on Climate Change (TED 2016)
 - <http://youtu.be/u7E1v24DIlk>
- ✓ Will the Women's Reservation Bill see the light of day?
 - <http://youtu.be/ciIHQ-xfrUk>
- ✓ Professor Germaine Greer - An Insight - Full Interview
 - <http://youtu.be/O4LtOpjQrQo>
- ✓ An Introduction to Simone de Beauvoir's The Second Sex
 - <https://youtu.be/Dgc0-Cn4AAs>
- ✓ 950s Housewife to Women's Activist: Betty Friedan
 - <http://youtu.be/xO304aoUAW>
- ✓ In Her Own Words (Film)
 - <http://youtu.be/f3wcZJVicXQ>



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- ✓ Brokering News: Media, Money and Middlemen
 - <http://youtu.be/V7zb-PE4INw>
- ✓ The False Mirror: Representation of Women in Indian Advertising
 - <https://youtu.be/91bqQA1PvuY>
- ✓ India Election Watch: The Role of Political Advertising in India
 - <https://youtu.be/a2fHewVjpsk>

➤ Ms. Radhika Rani (Department of Sociology and Anthropology)

- ✓ TY.B.Sc AANT0101: INTRODUCTION TO ANTRHOPOLOGY - I
 - <https://m.youtube.com/watch?v=vk4KDLVjQ84>
 - <https://m.youtube.com/watch?v=axrx6KzRGig>
 - <https://www.youtube.com/watch?v=zjCMOpnx6r8>
 - https://www.youtube.com/channel/UCK62NdZG2vq3gEa6KMv2_7A/videos
 - <https://anthrodendum.org>
- ✓ ASOC0302: INDIAN SOCIOLOGY
 - https://www.youtube.com/watch?v=yv6aU-_9xQ0&t=627s
 - https://www.youtube.com/watch?v=oH_Rn-2chrg
- ✓ ASOC0502: URBAN SOCIOLOGY
 - <https://www.youtube.com/watch?v=ltQx8weyipQ>
 - https://www.youtube.com/watch?v=jPZp_ICmfhE&t=200s
- ✓ ASOC0506: GENDER STUDIES I
 - https://www.youtube.com/results?search_query=psbt
 - <https://www.youtube.com/watch?v=e-n829QzZ58>
 - <https://feminisminindia.com>
 - <http://theladiesfinger.com>
- ✓ ASOC0508: POPULAR AND SUBALTERN MOVEMENTS I
 - https://www.youtube.com/watch?v=puNX_FFmVcA
 - <https://www.youtube.com/watch?v=YXKyx6pzb4>
 - <https://www.marxists.org>
- ✓ AANT0503: APPLIED ANTHROPOLOGY I
 - <https://www.youtube.com/watch?v=5mbdTDkbZNQ>
 - <https://www.youtube.com/watch?v=bvblsF5F65s>
 - <https://www.sapiens.org>
- ✓ AANT0201: INTRODUCTION TO ANTRHOPOLOGY – II
 - https://www.youtube.com/channel/UCK62NdZG2vq3gEa6KMv2_7A/videos
 - <https://www.youtube.com/watch?v=ZHOy6hiUcyA>
 - <https://www.youtube.com/watch?v=bOOI5LbQ9B8>
 - <https://www.youtube.com/watch?v=xGF3ObOBbac>



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- <https://anthrodendum.org>
- <https://www.sapiens.org>
- ✓ ASOC0402: SOCIOLOGY: THEMES AND ISSUES
 - <https://www.youtube.com/watch?v=bZhrh1kyoRI>
 - <https://www.youtube.com/watch?v=GMT18TMNQbY>
 - <https://www.marxists.org>
- ✓ ASOC0602: SOCIOLOGY OF THE LIFE COURSE
 - <https://www.youtube.com/watch?v=97Z54yo719g>
- ✓ ASOC0606: GENDER STUDIES II
 - https://www.youtube.com/results?search_query=psbt
 - <https://feminisminindia.com>
 - <http://theladiesfinger.com>
- ✓ ASOC0608: POPULAR AND SUBALTERN MOVEMENTS II
 - <https://www.youtube.com/watch?v=NNdEZEFrG7Y>
 - <https://www.youtube.com/watch?v=Fgcd5ZcxDys>
 - <https://www.marxists.org>
- ✓ AANT0603: APPLIED ANTHROPOLOGY II
 - https://www.youtube.com/watch?v=xNbGmjD2_qQ
 - https://www.youtube.com/watch?v=GBsL_yVKoZg&t=2s
 - <https://www.sapiens.org>

➤ Mr. Dean Fernandes (Department of Psychology)

- ✓ Cognitive psychology
 - <https://web.duke.edu/histology/MBS/Videos/Phys/Phys%202.3%20Nervous%20Action%20Pot/Phys%202.3%20Nervous%20Action%20Pot.pdf>
 - <https://web.duke.edu/histology/MBS/Videos/Phys/Phys%202.1%20Nervous%20Intro/Phys%202.1%20thru%202.5%20Nervous%20System%20NOTES.pdf>
 - <https://youtu.be/esPRsT-lmw8?t=12>
 - <https://youtu.be/Z41BTeAU7DI?t=14>
 - <https://youtu.be/UqVUVREIXKg?t=5>
 - <https://youtu.be/qQ-96BLaKYQ?t=3>
 - <https://youtu.be/PB2Oegl6wvI?t=14>
 - <https://youtu.be/kDXJhXLzmBQ?t=9>
 - <https://youtu.be/dxqsBk7Wn-Y?t=3>
 - <https://youtu.be/q8cXus7SNQY?t=2>
 - <https://youtu.be/hpTCZ-hO6iI?t=2>
 - https://youtu.be/T2y_DalSEhw?t=5



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➤ **Ms. Sangeeta Chavan (Department of Microbiology)**

- https://www.youtube.com/watch?v=9E_UxnC_L2o
- <https://www.youtube.com/watch?v=kkQNFZP2Ne8>
- <https://www.youtube.com/watch?v=nnhYmtS6zQY>
- https://www.youtube.com/watch?v=Ay281_Ind0Q
- <https://www.youtube.com/watch?v=bGCiceLXAOA>
- <https://www.youtube.com/watch?v=-E1Pe1BtyCI>
- <https://www.bio.davidson.edu/courses/Immunology/Flash>
- <https://classroom.google.com/c/NDA4MzQzMjgxNjBa>
- <https://www.youtube.com/watch?v=Md0bpZcr6o4>
- <https://www.youtube.com/watch?v=MwBV72BMg8U> <https://oup-arc.com/access/cooper8e>
- https://www.youtube.com/watch?v=wC2_7Ror3qY
- <https://www.youtube.com/watch?v=oa6rvUJlg7o>
- <https://www.youtube.com/watch?v=MplWXZTOk6o>
- <https://www.youtube.com/watch?v=gpLUQza4uWw&t=46s>
- <https://www.youtube.com/watch?v=xO4Fu0oyyDA&t=83s>
- <https://www.youtube.com/watch?v=HNP1EAYLhOs>
- <https://www.youtube.com/watch?v=31zZiL45740>
- <https://www.youtube.com/watch?v=5DTrENdWvM>
- <https://www.youtube.com/watch?v=7VQU28itVVw&t=12s>
- <https://www.youtube.com/watch?v=IWMJIMzsEMg>
- <https://www.youtube.com/watch?v=Non4MkYQpYA>
- <https://www.youtube.com/watch?v=jJwGNPRmyTI&t=15s>
- <https://www.youtube.com/watch?v=X1GT2bKgci8&t=49s>
- <https://www.youtube.com/watch?v=9bvMv5dQ7RU>
- <https://www.youtube.com/watch?v=HNP1EAYLhOs&t=76s>
- <https://www.youtube.com/watch?v=5DTrENdWvM&t=32s>
- <https://www.youtube.com/watch?v=1LXlpZP7M1c>
- <https://drive.google.com/file/d/1-GtRuSjoUC2dv2ad2au8dNYaacoaz/view?ts=5cffe73d>

➤ **Mr. Alok Gude (Department of Botany)**

FYBSc Botany Course 0201 – Plant Physiology

✓ Unit-I Plant water relations

- <https://www.youtube.com/watch?v=XbR74S7oTgU>
- https://www.youtube.com/watch?v=4to_4guDx50
- <https://www.youtube.com/watch?v=BbKPKPoEW7U>



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- <https://www.youtube.com/watch?v=nDZud2g1RVY>
- <https://www.youtube.com/watch?v=3paMRaBeVA8>
- ✓ Unit-II Transport Processes
 - <https://www.youtube.com/watch?v=J5pWH1r3pgU>
 - <https://www.youtube.com/watch?v=J5pWH1r3pgU>
 - <https://www.youtube.com/watch?v=ufCiGz75DAk>
 - <https://www.youtube.com/watch?v=Ptmlvtei8hw>
 - <https://www.youtube.com/watch?v=CkXt5kdjaK4>
- ✓ Sieve tube
 - <https://www.youtube.com/watch?v=TjgJJW211Tw>
 - <https://www.youtube.com/watch?v=sdFv8kwaMYc>
 - <https://www.youtube.com/watch?v=vXMKoCBuBSU>
 - <https://www.youtube.com/watch?v=QXdujo4PZ7c>
 - <https://www.khanacademy.org/science/in-in-class-10-biology/in-in-life-processes/in-in-transportation-in-plants/v/phloem-translocation-life-processes-biology-khan-academy>
- ✓ Unit-III Plant Biochemistry
 - <https://www.youtube.com/watch?v=OOc3zEgLLtk>
 - <https://www.youtube.com/watch?v=H8WJ2KENIK0>
 - <https://www.youtube.com/watch?v=FgfknBZaVTI>
 - <https://www.youtube.com/watch?v=YO244P1e9QM>
 - <https://www.youtube.com/watch?v=QacQmS3aaTI>
 - <https://www.youtube.com/watch?v=EtiHCSwVoUc>
 - <https://www.khanacademy.org/science/biology/crash-course-bioecology/crash-course-biology-science/v/crash-course-biology-103>
 - <https://www.khanacademy.org/science/high-school-biology/hs-biology-foundations/hs-biological-macromolecules/v/introduction-to-carbohydrates>
- ✓ SYBSc Botany Course 0403 – Analytical tools
Unit-I Medicinal Botany
 - <https://www.youtube.com/watch?v=XOWufTZ0HGw>
 - <https://www.youtube.com/watch?v=Kt0Lgy17178>
 - <https://www.youtube.com/watch?v=U9RoyGxXYBw>
 - <https://www.youtube.com/watch?v=089BpkbRUnc>
 - <https://www.youtube.com/watch?v=qn-hxq7eNpc>
 - <https://www.youtube.com/watch?v=-hdCWF-d4zM>



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- https://www.youtube.com/watch?v=LTH_C3neObo
- <https://www.youtube.com/watch?v=1E9BYSUcvhk>

- ✓ Unit-II Instrumentation - Simple microscope
 - <https://www.youtube.com/watch?v=O5u-hFkiCpo>
 - <https://www.youtube.com/watch?v=CVusz4wHaic>
- ✓ Phase contrast microscope
 - <https://www.youtube.com/watch?v=YsHUqfxNj9M>
- ✓ Electron microscope
 - <https://www.youtube.com/watch?v=kdb6dHEHCA0>
 - <https://www.youtube.com/watch?v=sCJxxkeOaGw>
 - <https://www.youtube.com/watch?v=NG44AEWHtRQ>
 - <https://www.youtube.com/watch?v=ljTEG-B-kGc>
- ✓ Paper chromatography
 - https://www.youtube.com/watch?v=23W5Z_redfs
 - https://www.youtube.com/watch?v=mz_xcNrTK_U
 - <https://www.youtube.com/watch?v=gFw2WOC2mcU>
 - <https://www.youtube.com/watch?v=NsI9vJMphKk>
- ✓ Thin layer chromatography
 - <https://www.youtube.com/watch?v=qdmKGskCyh8>
 - <https://www.youtube.com/watch?v=lj5OWzhZSac>
 - <https://www.youtube.com/watch?v=CtOFzh4oVCU>
 - <https://www.youtube.com/watch?v=e3lRt9XdV0s>
- ✓ Column chromatography
 - <https://www.youtube.com/watch?v=UmWMIKJAdSk>
 - <https://www.youtube.com/watch?v=yig3QCfBTzc>
 - https://www.youtube.com/watch?v=2R2iq_XR1IY
 - <https://www.youtube.com/watch?v=1Nbhnt9lIGQ>
- ✓ Gel electrophoresis
 - <https://www.youtube.com/watch?v=vq759wKCCUQ>
 - <https://www.youtube.com/watch?v=ZDZUAleWX78>
 - <https://www.youtube.com/watch?v=pjG4FTdMsEY>
 - <https://www.khanacademy.org/science/high-school-biology/hs-molecular-genetics/hs-biotechnology/v/gel-electrophoresis-dna>
 - <https://www.khanacademy.org/test-prep/mcat/chemical-processes/separations-purifications/v/gel-electrophoresis>
 - <https://www.exploratorium.edu/video/gel-electrophoresis-run-experiment>



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- ✓ SYBSc Botany Course 0403 – Analytical tools - Biostatistics
 - <https://www.youtube.com/watch?v=GZYdQmBhYVo>
 - https://www.youtube.com/watch?v=_e4mwlqCQrc
 - <https://www.youtube.com/watch?v=6LgVrfEQWE8>
 - <https://www.youtube.com/watch?v=aPOwFCqjnnY>
 - <https://www.youtube.com/watch?v=dFmzORF18aw>
 - https://www.youtube.com/watch?v=p_REiNh2DWw
 - <https://www.youtube.com/watch?v=mpmAbyYk2Go>
 - <https://www.youtube.com/watch?v=85ChePx5Yqw>
- ✓ Bioinformatics
 - <https://www.youtube.com/watch?v=w-uk- TOgR0>
 - <https://www.youtube.com/watch?v=K9MqyU298uE>
 - https://www.youtube.com/watch?v=8XaA_NtPt2o
 - <https://www.youtube.com/watch?v=eZfyWdHnzR0>
 - <https://www.youtube.com/watch?v=oOSn6uBXITM>
 - <http://omgenomics.com/getting-started-bioinformatics/>
- **Ms. Linda Dhakul (Department of Psychology)**
 - ✓ APSY0701: Behavioural Neuroscience
 - The Neuron: <https://www.youtube.com/watch?v=HZh0A-IWSmY>
 - How to improve sleep by Matt Walker:
https://www.youtube.com/watch?v=IRp5AC9W_F8
 - Living with Narcolepsy: <https://www.youtube.com/watch?v=wxQ5dAQC9wo>
 - What Narcolepsy looks like:
<https://www.youtube.com/watch?v=1PuvXpv0yDM&t=2s>
 - The hungry rat: <https://www.youtube.com/watch?v=1BhYmBkqj4o>
 - Documentary “Thin” <https://www.youtube.com/watch?v=AL3FeQU4HjU>
 - Living with Prader-Willi Syndrome:
<https://www.youtube.com/watch?v=4FfsDUCYUNc>
 - Film: To the Bone (*available by subscription on Netflix*)
 - Memory & Learning:
 - Case of HM: <https://www.youtube.com/watch?v=KkaXNvzE4pk>
 - ✓ APSY0703: Counselling Process and Skills
 - Implicit biases test: <https://implicit.harvard.edu>
 - Bad Therapist: “Not” Listening:
<https://www.youtube.com/watch?v=FZiopF2dgu0>
 - Basic counselling skills: https://www.youtube.com/watch?v=OwW8x_0YGLI



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- Questioning: <https://www.youtube.com/watch?v=3lf0p1MffC4>
- Attending: https://www.youtube.com/watch?v=IGQmdoK_ZfY
- Contracting and Ending: <https://www.youtube.com/watch?v=D7C60LVfoyc>
- Suicide Risk Assessment: <https://www.youtube.com/watch?v=Na3YzSE0XoI>
- Difficult Clients : <https://www.youtube.com/watch?v=z8nuAdjx6uw>

➤ Ms. Ruby Pavri (Department of Psychology)

- Counselling: <https://www.hbo.com/in-treatment>
- Prenatal development: https://www.youtube.com/watch?v=Pgh7--1MVbo&has_verified=1
- The Baby Human: To walk <https://www.youtube.com/watch?v=0iNHXU5WMaw>
- The Baby Human: To think
https://www.youtube.com/watch?v=ue1h1_vRLtU
- The Baby Human: To feel
https://www.youtube.com/watch?v=wyHnbU9pSvU&list=PLU4QkAf6LLaPcAPZ_yqyTIINqKar852mr&index=16
- The Baby Human: To talk
https://www.youtube.com/watch?v=4cUBMRXAas&list=PLU4QkAf6LLaPcAPZ_yqyTIINqKar852mr
- The Baby Human: To relate
https://www.youtube.com/watch?v=Sh22AJay_yY&list=PL8XVPOU7gtyLcPGo_qo2Qx0tnTEpmk3_4
- The Baby Human: To belong
<https://www.youtube.com/watch?v=mv6VvQMn-EQ>
- Put down the phone (relationships)
<https://www.youtube.com/watch?v=Z7dLU6fk9QY&t=8s>
- Human development (Life Review)
<https://www.youtube.com/watch?v=1t8kAbUg4t4>
- ADJUSTMENT (self-esteem)
<https://www.youtube.com/watch?v=CjxugyZCfuw>

➤ Dr. Arvind Dhond (Department of Commerce – Faculty of Commerce)

- <https://www.youtube.com/watch?v=YEJzW8rsIzo>

➤ Dr. Rohan Jadhav (Department of Physics)

- <http://vlab.amrita.edu/?sub=1&brch=189>
- https://www.youtube.com/watch?v=Ay_AVzaKj8c



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➤ **Dr. Prahlad Rege (Department of Chemistry)**

- <https://youtu.be/YKwxcjUnots>
- https://youtu.be/23W5Z_redfs
- <https://youtu.be/uOhefwQBAbl>
- <https://youtu.be/rMGQavOMAmc>
- <https://youtu.be/ZN7euA1fS4Y>
- <https://youtu.be/eCj0cRtJvJg>
- <https://youtu.be/UycPljfrnWo>
- <https://youtu.be/iX25exzwKhI>
- <https://youtu.be/fv7ozqXF5Q>
- <https://youtu.be/idqG4G67Vv8>

➤ **Dr. Pampi Chakravarty (Department of Microbiology)**

- <https://www.youtube.com/watch?v=MUCvUgGfzdo>
- <https://www.youtube.com/watch?v=m2jp0klZHEE>
- <https://www.youtube.com/watch?v=A9wmCsMiy70&t=1s>
- <https://www.youtube.com/watch?v=PSbqRALAN80>
- <https://www.youtube.com/watch?v=NE6fepDgc8E&t=171s>
- <https://www.youtube.com/watch?v=MUCvUgGfzdo>
- <https://www.youtube.com/watch?v=m2jp0klZHEE>
- <https://www.youtube.com/watch?v=A9wmCsMiy70&t=1s>
- <https://www.youtube.com/watch?v=PSbqRALAN80>
- <https://www.youtube.com/watch?v=NE6fepDgc8E&t=171s>

➤ **Dr. Vijaya Lobo (Department of Botany)**

- Fungi intro: <https://www.youtube.com/watch?v=7ojzbeaZDqk&t=78s>
- Where did algae come from:
https://www.youtube.com/watch?time_continue=4&v=SikgCOramic&feature=emb_logo
- Algae as Biofuel: <https://www.youtube.com/watch?v=IxyvVkeW7Nk>,
<https://www.youtube.com/watch?v=d5laQZbJ2mg>
- Lytic cycle of phage: <https://www.youtube.com/watch?v=hFwA0aBX5bE>



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➤ Ms. Neelam Shetty (Department of Management Studies)

✓ Consumer Behaviour

- <https://www.youtube.com/watch?v=PA8W2A1XdX4>
- <https://www.youtube.com/watch?v=UEtE-el6KKs>
- <https://www.youtube.com/watch?v=1kgsYiFZZ6Y>
- <https://www.youtube.com/watch?v=uBiBCiTMxfk>

✓ HR & Training and Development

- <https://www.youtube.com/watch?v=UKqpSngoK7E>
- <https://www.youtube.com/watch?v=6Bf2LrDnszE>
- https://www.youtube.com/watch?v=cwnu_C-AbeU
- <https://www.youtube.com/watch?v=FRsJbpppvEU>
- <https://www.youtube.com/watch?v=LiD8MZtZDJY>

✓ Principles of Management

- <https://www.youtube.com/watch?v=nSUJwmPQEyg>
- <https://www.youtube.com/watch?v=7lhVUedc1a4>
- https://www.youtube.com/watch?v=sW_PN3BDa0A
- <https://www.youtube.com/watch?v=TXaJjNZy6d8>
- <https://www.youtube.com/watch?v=RXmnBbUjsPs>

✓ Business environment

- https://www.youtube.com/watch?v=_h1XmNejD-s
- <https://www.youtube.com/watch?v=xtT3zLWmCHg>
- <https://www.youtube.com/watch?v=9nrZwjciS1A>

➤ Ms. Pearl Pastakia (Department of English)

✓ AENG0501

- AENG0503 (to illustrate ethical dilemmas; to illustrate the History of England during the Renaissance:
[A Man for All Seasons \(1966\) - England Needs an Heir Scene \(1/10\) | Movieclips - YouTube](#)
- AENG0504
[Oliver Cromwell - King Charles Storms House Of Commons - YouTube](#)
- AENG0601
[The Goblin Market Socio-Historical Analysis - YouTube](#)
- AENG0603
[In the Frame: Hogarth at Sir John Soane's Museum | Tatler UK - YouTube](#)



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- AENG0604

Hamlet - Laurence Olivier (1948) - Legendado - YouTube

➤ **Dr. Shiney Peter (Department of Biotechnology)**

- <https://www.youtube.com/watch?v=GXVLdbkRkhw>
- <https://www.youtube.com/watch?v=rZRsqin3lwY>
- <https://www.youtube.com/watch?v=4c5ILWQmqRY&list=PLQFc-Dxlf4pSHREZvz41xHFSEp65iNkBL&index=2>
- <https://www.youtube.com/watch?v=AhzhOzgYoqw>

➤ **Dr. Madhuri Hambarde (Department of Zoology)**

- <https://www.youtube.com/watch?v=MILaUpKnbu8&list=PLweEqRHax3DLC-6SpZQAOS1eII02H2wx&index=1>
- <https://youtu.be/-TDL9Jp0dg4>
- <https://www.youtube.com/watch?v=qMTJ051855Q&list=PLweEqRHax3DLC-6SpZQAOS1eII02H2wx&index=3>
- <https://www.youtube.com/watch?v=aVd7OnG4c3c&list=PLweEqRHax3DLC-6SpZQAOS1eII02H2wx&index=4>
- <https://www.youtube.com/watch?v=7g0wifwNGCQ&list=PLweEqRHax3DLC-6SpZQAOS1eII02H2wx&index=5>
- <https://www.youtube.com/watch?v=UyI25KI7tcU&list=PLweEqRHax3DLC-6SpZQAOS1eII02H2wx&index=6>
- <https://www.youtube.com/watch?v=J0i0HnYDNtw&list=PLweEqRHax3DLC-6SpZQAOS1eII02H2wx&index=7>
- https://www.youtube.com/watch?v=_NDNa_3Bon8&list=PLweEqRHax3DLC-6SpZQAOS1eII02H2wx&index=8
- <https://www.youtube.com/watch?v=JePQNb7jVIY&list=PLweEqRHax3DLC-6SpZQAOS1eII02H2wx&index=9>
- <https://www.youtube.com/watch?v=6CqptdZyUaU>
- <https://www.youtube.com/watch?v=77Bm234E518>
- <https://www.youtube.com/watch?v=AZS2wb7pMo4>
- <https://www.youtube.com/watch?v=-rvJZ3jR7AU>
- <https://www.youtube.com/watch?v=bHXvhOO0hYc>
- https://www.youtube.com/watch?v=j87ohR_C6I4
- <https://www.youtube.com/watch?v=Yb26BBvAAWU>
- <https://www.youtube.com/watch?v=BZMjLtQ2b8w>



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- **Mr. Kyle Meyers (Department of Chemistry)**
- Armando Hasudungan (all video) -
<https://www.youtube.com/user/armandohasudungan>
 - Neuroscientifically Challenged (2 – minute neuroscience) -
<https://www.youtube.com/user/neurochallenged>
 - Crash Course (Neuroscience) -
<https://www.youtube.com/channel/UCX6b17PVsYBQ0ip5gyeme-Q>
- **Dr. Aparna Talekar (Department of Microbiology)**
- YouTube: <https://www.youtube.com/watch?v=FCCFiyoDTaM>
 - https://www.youtube.com/watch?v=qL_N_JLv33I
 - <https://www.youtube.com/watch?v=NuIH9-6Fm6U>
 - <https://www.youtube.com/watch?v=qxPb9vFWdgo>
 - <https://www.youtube.com/watch?v=0jeFpXHZ8W0>
 - https://www.youtube.com/watch?v=0S_bt3JI150
 - https://www.youtube.com/watch?v=2VHrN8_rqL8
 - <https://www.youtube.com/watch?v=KldVLg8Uhm8> Water Treatment Plant
- **Ms. Saima Khan (Department of Chemistry)**
- https://youtu.be/qraDpWX_msY
 - <https://youtu.be/DnytqBRf3wA>
 - https://www.youtube.com/watch?v=bnWO0WI6h7A&list=PLPbLUQKCTSA2VG19TAWfxg71FCw7NiOq_
 - <https://www.youtube.com/watch?v=VWxYsZPtTsI>
 - <https://www.youtube.com/watch?v=fQJYuTpK8Fs>
 - <https://www.youtube.com/watch?v=8gCf1sEn0UU>
 - <https://www.youtube.com/watch?v=wiFCYFrXkek>
 - <https://www.youtube.com/watch?v=MISdKPEI7EY>
 - <https://www.youtube.com/watch?v=SoEKMgUoG3E>



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➤ **Dr. Sangeeta Shetty (Department of Life Science and Biochemistry)**

✓ SLSC0601

- Genetics of Antibody diversity:
<https://cooper7e.sinauer.com/animation0703.html>
- <https://www.youtube.com/watch?v=Na-Zc-xWCLE>
- <https://www.youtube.com/watch?v=bGCiceLXAOA>
- <https://cooper7e.sinauer.com/animation0702.html>
- <https://www.youtube.com/watch?v=QTOBSFJWogE>
- TCR rearrangement: <https://www.youtube.com/watch?v=rO2JoENBOv0>
- <https://www.youtube.com/watch?v=rO2JoENBOv0>
- <https://www.youtube.com/watch?v=VpbdqGJ9LWk>
- MHC Complex: <https://www.youtube.com/watch?v=7AUeM8Mbalk>

YOUTUBE CHANNELS

➤ **Mr. Marazban Kotwal (Department of Chemistry)**

- https://drive.google.com/drive/u/1/folders/1IINUWgxh7RGBixRtmDMzj-81DGKx4_I9?authuser=1

➤ **Dr. Shyamala Bodhane (Department of Physics)**

- <https://studio.youtube.com/channel/UCeKZnSwZrF0eNMW8viMytog/videos/upload?filter=%5B%5D&sort=%7B%22columnType%22%3A%22date%22%2C%22sortOrder%22%3A%22DESCENDING%22%7D>



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ONLINE EDUCATION CONTENT DEVELOPMENT

(In collaboration with Geospatial Media and Communication – Made available as a part of the Copernicus MOOC – Developed by the European Union's Earth Observation Program – March 2020)

➤ **Dr. Hrishikesh Samant (Department of Geology)**

- https://mooc.copernicus.eu/mod/scorm/player.php?a=5¤torg=Module_1%3A_Introduction_to_Copernicus_ORG&scoid=10
- <https://www.youtube.com/watch?v=N49PzLDUIFQ> (What is Remote Sensing? Understanding Remote Sensing)
- https://www.youtube.com/watch?v=-7_0Z_tm2Z8 (What is the Process of Remote Sensing?)
- <https://www.youtube.com/watch?v=vzfGMMEEz5w> (What is Active and Passive Remote Sensing)
- <https://www.youtube.com/watch?v=7rV3Q3YTMH4> (What is Spatial Resolution in Remote Sensing)

ONLINE QUIZZES

➤ **Marazban Kotwal (Department of Chemistry)**


- <https://docs.google.com/forms/d/1hKCj5JIM6EtV-ZNZ6kF1D5tDl6AjdPVGamcpDtxt7Qs/edit>

➤ **Dr. Bobby Mathew (Department of Geology)**

- https://drive.google.com/drive/u/1/folders/1l1NUWgXh7RGBixRtmDMzj-81DGKx4_I9?authuser=1



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OPEN-SOURCE RESOURCES

- **Dr. Hrishikesh Samant (Department of Geology)**
 - QGIS – Online opensource software <https://qgis.org/en/site/>

- **Mr. Arun Singh (Department of History)**
 - ✓ N-List
 - <https://nlist.inflibnet.ac.in/>
 - ✓ Shodhganga
 - <http://14.139.13.45/shodhganga/index.php/home>

- **Dr. Katherine Rawlins (Department of Physics)**
 - ✓ MIT Open courseware
 - Lecture 7: The Scaling Hypothesis Part 2
 - <https://ocw.mit.edu/courses/physics/8-334-statistical-mechanics-ii-statistical-physics-of-fields-spring-2014/video-lectures/lecture-7-the-scaling-hypothesis-part-2/>
 - Lectures 15 & 16: Series Expansions Parts 1 & 2
 - <https://ocw.mit.edu/courses/physics/8-334-statistical-mechanics-ii-statistical-physics-of-fields-spring-2014/video-lectures/lecture-15-series-expansions-part-1/>
 - <https://ocw.mit.edu/courses/physics/8-334-statistical-mechanics-ii-statistical-physics-of-fields-spring-2014/video-lectures/lecture-16-series-expansions-part-2/>
 - <https://ocw.mit.edu/courses/physics/8-044-statistical-physics-i-spring-2013/index.htm>
 - <https://ocw.mit.edu/courses/physics/8-08-statistical-physics-ii-spring-2005/index.htm>
 - <https://ocw.mit.edu/courses/physics/8-333-statistical-mechanics-i-statistical-mechanics-of-particles-fall-2013/index.htm>
 - <https://ocw.mit.edu/courses/physics/8-334-statistical-mechanics-ii-statistical-physics-of-fields-spring-2014/index.htm>
 - ✓ Stanford University Open courseware
 - Solving the 1D Ising Model: <https://stanford.edu/~jeffjar/statmech2/lec4.html>






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- ✓ NPTEL
 - Advanced Statistical Mechanics: Module 7 - Series Expansion Technique & Module 9 - Scaling and renormalization -
<https://nptel.ac.in/courses/115/103/115103028/>
 - Introduction to Statistical Mechanics: Lec 24 - RG method Ising model
[https://nptel.ac.in/courses/115/103/115103113/\(https://www.youtube.com/watch?v=3yQUX3Yclhg\)](https://nptel.ac.in/courses/115/103/115103113/(https://www.youtube.com/watch?v=3yQUX3Yclhg))
 - Statistical Mechanics - <https://nptel.ac.in/courses/115/106/115106111/>
- ✓ Inflibnet
 - Statistical Mechanics - e-PGPathshala
<https://epgp.inflibnet.ac.in/Home/ViewSubject?catid=28>
- ✓ Python resources - <https://python.fossee.in/brochures/>
<https://www.kaggle.com/learn/python>
- ✓ Swayamprabha - Molecular dynamics simulations
 - <https://www.youtube.com/embed/0eDFeYLawAA>
 - <https://www.youtube.com/embed/TVqPIkTQuh4>
 - <https://www.youtube.com/embed/xOoMM1QcPFg>
- **Dr. Annapurna S (Department of Statistics)**
 - <http://ocw.mit.edu/courses/electrical-engineering-and-computer-science/6-041-probabilistic-systems-analysis-and-applied-probability-fall-2010/>
- **Dr. Pampi Chakravarty (Department of Microbiology)**
 - ✓ Michigan State University:
<https://learn.chm.msu.edu/vibl/content/antimicrobial.html>
 - ✓ NPTEL - <https://nptel.ac.in/courses/102/103/102103017/>
- **Dr. Avkash Jadhav (Department of History)**
 - ✓ Vidya Mitra (e-PG Pathshala operated by HRD Ministry)
 - <https://www.youtube.com/watch?v=n-CR7uMmM5o>
 - <https://www.youtube.com/watch?v=6XpElmUPlcI&list=PLNspmbLkJ8L5x6vGCHXjkd8rPm4A6CC>
 - <https://www.youtube.com/watch?v=6XpElmUPlcI&list=PLNspmbLkJ8L5x6vGCHXjkd8rPm4A6CC>
 - <https://www.youtube.com/watch?v=FU7XxXcQEF4>
 - <https://www.youtube.com/watch?v=MDIYTAvZd30>



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- <https://www.youtube.com/watch?v=skwXlHalwI8>
- <https://www.youtube.com/watch?v=Q0-qN3yWWNg>
- https://www.youtube.com/watch?v=QVZ1NUEi_9I

➤ **Dr. Rohan Jadhav (Department of Physics)**

- ✓ Virtual Labs- Amrita University
 - <http://vlab.amrita.edu/?sub=1&brch=189>

➤ **Dr. Bhaskar Saha (Department of Life Science and Biochemistry)**

- ✓ Video from Journal of Visual Experiments (JoVE)
 - <https://www.jove.com/video/2762/isolating-nasal-olfactory-stem-cells-from-rodents-or-humans>

➤ **Dr. Shiney Peter (Department of Biotechnology)**


- ✓ Virtual Laboratory
 - <https://myscope.training/>
 - https://www.thermofisher.com/in/en/home/references/gibco-cell-culture-basics.html?cid=BID_R01_PJT3313_BID88888_VI_YUT_OD_KT_363
 - <https://www.medicine.mcgill.ca/physio/vlab/immun/elisa1.htm>

➤ **Ms. Saima Khan (Department of Chemistry)**

- ✓ Virtual Labs
 - http://www.chem.ox.ac.uk/vrchemistry/vsepr/intro/vsepr_splash.html
 - <http://www.3dchem.com/>
 - <https://phet.colorado.edu/sims/cheerpj/molecule-polarity/latest/molecule-polarity.html?simulation=molecule-polarity>
 - https://phet.colorado.edu/sims/html/molecule-shapes/latest/molecule-shapes_en.html
 - https://phet.colorado.edu/sims/html/molecule-shapes-basics/latest/molecule-shapes-basics_en.html
 - <https://terpconnect.umd.edu/~wbreslyn/chemistry/Lewis-Structures/lewis-main.html>
 - <http://www.chem.ox.ac.uk/vrchemistry/nickel/default.html>
 - <http://www.chem.ox.ac.uk/vrchemistry/chemistrytv/chemistrytv.html>



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DOCUMENTARIES AND FILMS

➤ **Ms. Linda Dhakul (Department of Psychology) –**

✓ APSY0101 and APSY 0102


- Documentary: The Science Odyssey Introduction and History of Psychology
- Film; Dead Poets Society <https://g.co/kgs/z72Twn>
- Project X, 1975: Ethics of experimentation on animals
<https://youtu.be/T0de66wOE4Y>
- Genie Wiley secrets of the wild child: Ethics of human subjects
<https://g.co/kgs/H1uifJ>
- I am Sam: Legal systems and Autism, Mental retardation, Inclusion
<https://g.co/kgs/sV1ZA6>
- My Girl <https://g.co/kgs/4NHPTf>
- Inside Out: Emotions <https://g.co/kgs/R1H29R>
- Patch Adams, Motivation <https://g.co/kgs/pm41MD>
- Deep end of the Ocean: Memory (Episodic) <https://g.co/kgs/tLmBVq>
- National geography video: Elizabeth Loftus study on Eyewitness testimony
<https://youtu.be/KSqQPJE6FX8>
- Dangerous Minds: Learning (disadvantaged background)
<https://g.co/kgs/ZBwXmz>

✓ POGAAC0309and0409

- You tube video talk: Tony Porter, The Man Box.
https://www.ted.com/talks/tony_porter_a_call_to_men?utm_campaign=tedspr ead&utm_medium=referral&utm_source=tedcomshare
- The Break the Man Box: #KillerStereotypes
- Film: Pakistani film BOL gender stereotypes is a 2011 Pakistani Urdu language social drama film written, directed and produced by Shoaib Mansoor. The film stars Humaima Malik, Atif Aslam, Mahira .<https://g.co/kgs/ebTRWK>
- Film: G.I. Jane women and the military <https://g.co/kgs/jfoZ8m>
- Film: Kramer v/s Kramer Romantic relations, divorce, custody
<https://g.co/kgs/8zmLg7>
- Film: Girl Interrupted, Psychological disorders and gender
<https://g.co/kgs/vSckt7>
- Documentary: The Silent Scream dealing with Abortion
- Documentary: Addictions Alcohol drugs, Depression



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- ✓ APS0502 and 0602
 - Power point: Suicide
 - Power point: Cell phone addiction
 - Film: One flew over the Cuckoo's Nest: Asylums and management of disorders <https://g.co/kgs/AYhXPf>
 - Film: As Good as it Gets: OCD <https://g.co/kgs/1ks55X>
 - Film: The Road Within: Tourette's syndrome, <https://g.co/kgs/M5DMiH>
 - Film: Finding Alex: Suicide management <https://g.co/kgs/3sbzy7>
 - Documentary: Suicide, Depression, Addictions
 - Film: Fifteen Park Avenue <https://g.co/kgs/8hQt4t>
 - Beautiful Mind: Schizophrenia <https://g.co/kgs/7MaHLp>
 - Devrai (English: Sacred Grove) is a 2004 Indian Marathi film directed by filmmaker duo Sumitra Bhave–Sunil Sukthankar and produced by the Schizophrenia Awareness Association and K. S. Wani Memorial Trust. <https://www.imdb.com/title/tt0451702/>
 - Film: Iris: Alzheimer's, Parkinson's <https://g.co/kgs/EEGcb7>
 - Film: 55 steps ethics of medication 55 Steps to Informed Consent <https://g.co/kgs/toQGrF>
 - Film: Nise ethics of ECT <https://g.co/kgs/c6k8FM>
- ✓ Second Year: Developmental Psychology APS0402
 - Film: The Intern <https://g.co/kgs/2haxVp> (Late Adulthood, Career)
 - Film: Still Alice <https://g.co/kgs/Z66CZZ> (Alzheimer's disease)
 - Documentary: Eating disorders <https://youtu.be/1nSRuGcNOTA> (Adolescent)
 - Film: Dead Man walking <https://youtu.be/qAfsU2gI408> (Death and Dying)
- **Ms. Ruby Pavri (Department of Psychology)**
 - 'In Treatment' TV series on psychotherapy (Season one DVD set)
 - Discovery channel documentary 'The Ultimate Guide to Pregnancy'
- **Ms. Pearl Pastakia (Department of English)**
 - AENG0201
 - [The Merchant of Venice Full Movie - Bing video](#)
 - AENG0301
 - [The Canterbury Tales in Middle English with translation, lines 1 to 18 - Bing video](#)
 - AENG0302 (for the module on Partition Literature)



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- Khamosh Paani-Silent Waters خاموش يانی , ਖਮੋਸ਼ ਪਾਨੀ (2003) Hindi/Punjabi/Urdu English Subtitles - Bing video
- AENG0401
- The Great Gatsby 2013 Leonardo Dicaprio Movies - Bing video
- AENG0501
- Dickens - a Christmas Carol (1970) - YouTube
- AENG0504
- Oliver Cromwell - King Charles Storms House Of Commons - YouTube
- AENG0604
- The School For Scandal by Richard Brinsley Sheridan - Bing video



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BLOGS

➤ Mr. Alok Gude (Department of Botany)

✓ Unit-I Plant water relations

- <https://sites.google.com/site/plantandcropphysiology/home/lectures/water-plant-water-relations>
- <http://www.questionpapers.net.in/blog/2011/plant-water-relations-quiz-1/>
- <https://www.slideshare.net/AhadMadani/water-relations-in-plants>
- <https://www.nature.com/scitable/knowledge/library/water-uptake-and-transport-in-vascular-plants-103016037/>
- <https://www.slideshare.net/beirah/plant-water-relations>

✓ Unit-II Transport Processes

- <https://courses.lumenlearning.com/nemcc-ap/chapter/3204/>
- [https://bio.libretexts.org/Courses/University_of_California_Davis/BIS_2A%3A_A_Introductory_Biology_\(Easlon\)/Readings/15.2%3A_Membrane_Transport](https://bio.libretexts.org/Courses/University_of_California_Davis/BIS_2A%3A_A_Introductory_Biology_(Easlon)/Readings/15.2%3A_Membrane_Transport)
- <https://www.ck12.org/book/ck-12-biology/section/3.3/>
- <http://www.plantcell.org/content/11/4/661>
- <http://www.plantphysiol.org/content/136/1/2475>
- <https://www.britannica.com/science/cell-biology/Secondary-active-transport>
- [https://bio.libretexts.org/Under_Construction/Purgatory/Core_\(Britt's_page\)/Membrane_Transport*%23](https://bio.libretexts.org/Under_Construction/Purgatory/Core_(Britt's_page)/Membrane_Transport*%23)
- <https://www.khanacademy.org/test-prep/mcat/cells/transport-across-a-cell-membrane/a/passive-transport-and-active-transport-across-a-cell-membrane-article>
- <https://www.slideshare.net/nileshkate79/transport-across-cell-membrane-54062942>

✓ FYBSc Botany Course 0201 – Plant Physiology - Unit-III Plant Biochemistry

- <http://biology4alevel.blogspot.com/2014/09/22-summary-of-enzymes.html>
- <https://www.slideshare.net/DilwarHossainNoorCha/enzyme-51196918>
- <https://www.biomol.com/resources/biomol-blog/guide-to-enzyme-unit-definitions-and-assay-design>
- <https://microbenotes.com/enzymes-properties-classification-and-significance/>
- <https://mycbseguide.com/blog/biomolecules-class-11-notes-biology/>
- <https://www.shemmassianconsulting.com/blog/enzymes-mcat>
- <https://healthengine.com.au/info/metabolism-and-energetics>



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- <https://www.msmanuals.com/home/disorders-of-nutrition/overview-of-nutrition/carbohydrates,-proteins,-and-fats>
 - <https://i-biology.net/ibdpbio/01-cells-and-energy/carbohydrates-lipids-and-proteins-inc-ahl-75-and-c1/>
 - <https://www.nia.nih.gov/health/important-nutrients-know-proteins-carbohydrates-and-fats>
 - https://www.eufic.org/en/whats-in-food/article/what-are-proteins-and-what-is-their-function-in-the-body?gclid=EA1aIQobChMI8LjtvaPb6QIVgqqWCh0wwgYQEAMYASAAEgKVI_D_BwE
- ✓ SYBSc Botany Course 0403 – Analytical tools - Unit-I Medicinal Botany
- <https://www.ayurvedacollege.com/blog/brahmi/>
 - <https://blog.nurserylive.com/2016/09/19/shami-an-important-medicinal-plant-in-ayurveda-and-gardening-in-india>
 - <https://www.proflowers.com/blog/medicinal-plants>
 - <https://www.chhajedgarden.com/blogs/Top-10-Medicinal-Plants-India/>
 - <https://plantdecors.com/blogs/most-powerful-medicinal-plants/>
 - <https://www.greengirlherbs.net/blog/>
 - <http://smprap1989.blogspot.com/2013/07/natural-miracles-top-10-medicinal.html>
- ✓ SYBSc Botany Course 0403 – Analytical tools - Unit-II Instrumentation
Microscopy
- <https://microbenotes.com/simple-microscope-principle-instrumentation-and-applications/#principle-of-simple-microscope>
 - <https://www.yourarticlelibrary.com/micro-biology/working-principle-and-parts-of-a-simple-microscope-with-diagrams/26490>
 - <https://ibidi.com/content/213-phase-contrast>
 - <https://microbenotes.com/phase-contrast-microscopy/>
 - <https://www.olympus-lifescience.com/en/microscope-resource/primer/techniques/phasecontrast/phase/>
 - <https://www.slideshare.net/vivekaiden/phase-contrast-fluorescence-microscope>
 - <https://www.slideshare.net/manjunathasanka/phase-contrast-microscope-41441936>
 - <https://microbenotes.com/electron-microscope-principle-types-components-applications-advantages-limitations/>
 - https://www.wikilectures.eu/w/Electron_microscopy/principle



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- ✓ Chromatography: Paper chromatography
 - <http://rxpharmaworld.blogspot.com/2016/12/paper-chromatography.html>
 - http://osu-wams-blogs-uploads.s3.amazonaws.com/blogs.dir/1938/files/2014/06/paper_chrom1.pdf
 - <https://blog.teacherspayteachers.com/paper-chromatography-need-use-lab/>
 - <https://jingxiangscienceblog.wordpress.com/paper-chromatography/>


- ✓ Chromatography: thin layer chromatography
 - <http://upendratts.blogspot.com/2013/04/thin-layer-chromatography.html>
 - <https://www.barts-blog.net/how-to-transfer-tlc-results-into-a-flash-method/>
 - <http://rxpharmaworld.blogspot.com/2016/12/thin-layer-chromatography.html>
 - <http://namrataheda.blogspot.com/2017/02/chromatography-thin-layer-chromatography.html>
 - [https://chem.libretexts.org/Bookshelves/Organic_Chemistry/Book%3A_Organic_Chemistry_Lab_Techniques_\(Nichols\)/02%3A_Chromatography/2.02%3A_Thin_Layer_Chromatography_\(TLC\)/2.2.0E%3A_2.2E%3A_Step-by-Step_Procedures_for_Thin_Layer_Chromatography](https://chem.libretexts.org/Bookshelves/Organic_Chemistry/Book%3A_Organic_Chemistry_Lab_Techniques_(Nichols)/02%3A_Chromatography/2.02%3A_Thin_Layer_Chromatography_(TLC)/2.2.0E%3A_2.2E%3A_Step-by-Step_Procedures_for_Thin_Layer_Chromatography)

- ✓ Chromatography: column chromatography
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➤ **Dr. Pampi Chakravarty (Department of Microbiology)**

- <https://www.researchgate.net/topic/Radioisotopes>
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➤ **Ms. Neelam Shetty (Department of Management Studies)**

- <https://www.noldus.com/blog/topic/consumer-behavior>
- <http://thearistocracyofhr.com/assesshubvideorecruitment/>
- <https://thebuzzonhr.com/2017/03/16/performance-reviews-made-simple/>
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- <http://www.c4lpt.co.uk/blog/>
- <https://trainingmag.com/training-day>
- <https://jarche.com/blog/>

➤ **Mr. Kyle Meyers (Department of Chemistry)**


- Blog Page developed by us for the students:
- <https://www.chemistry-neuroscienceblog.com/>

➤ **Ms. Saima Khan (Department of Chemistry)**

- <https://www.nanowerk.com/>
- <https://www.azonano.com/>
- <http://www.compoundchem.com/>



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TED Talks

- **Ms. Ruchi Brahmachari (Department of Psychology)**
 - ✓ APSY0701: Behavioural Neuroscience
 - Ted Talk by V.S. Ramchandran:
<https://www.youtube.com/watch?v=l80zgw07W4>
 - Sleep:
 - Ted Talk by Matt Walker:
<https://www.youtube.com/watch?v=5MuIMqhT8DM>
 - Emotion:
 - Ted Talk by Alan Watkins: <https://www.youtube.com/watch?v=h-rRgpPbR5w>

- **Dr. Rashmi Lee George (Department of English)**
 - <https://www.youtube.com/watch?v=Uy8yLaoWybk&t=504s> The dangerous ways ads see women | Jean Kilbourne | TEDxLafayetteCollege
 - https://www.youtube.com/watch?v=hg3umXU_qWc We should all be feminists | Chimamanda Ngozi Adichie | TEDxEuston

- **Ms. Linda Dhakul (Department of Psychology)**
 - https://www.ted.com/talks/hannah_cotton_break_the_man_box_killerstereotypes?utm_campaign=tedsread&utm_medium=referral&utm_source=tedcomshare



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ONLINE JOURNAL ARTICLES REFERRED

- **Dr. Bobby Mathew (Department of Psychology)**
- E-Paathshaala Inflightnet <https://epgp.inflightnet.ac.in/Home/ViewSubject?catid=448>
- **Dr. Priya Sundarrajan (Department of Life Science & Biochemistry)**
- <https://www.ncbi.nlm.nih.gov/pubmed/>
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➤ **Dr. Annapurna S. (Department of Statistics)**

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➤ **Dr. Ajay Yadav (Department of Physics)**

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➤ **Dr. Anita Rane Kothare (Department of Ancient Indian Culture, History and Archaeology)**

- Making sense-Museology <http://makingsensedocu.com/>
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- <https://www.nationalgeographic.org/article/key-components-civilization/>
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➤ **Dr. Sangeeta Shetty (Department of Life Science & Biochemistry) - SLSC0702**

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- <https://sites.google.com/?authuser=0>

➤ **Mr. Kyle Meyers (Department of Chemistry)**


- Khan Academy (Neuroscience and Neurobiology) - https://www.khanacademy.org/search?referer=%2Fscience%2Fhigh-school-biology%2Fhs-human-body-systems%2Fhs-the-nervous-and-endocrine-systems%2Fv%2Fstructure-of-the-nervous-system&page_search_query=Neuroscience
- For Research Papers the Mendeley Neuroscience Group: <https://www.mendeley.com/community/neuroscience-research-2/>

➤ **Ms. Soni George Tharakan (Department of Management Studies)**

- <https://hbr.org/2011/12/the-ordinary-heroes-of-the-taj>
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