

3.4.7 E-content is developed by teachers : (10)

1. For e-PG-Pathshala, 2. For CEC (Under Graduate), 3. For SWAYAM, 4. For other MOOCs platform, 5. For NPTEL/NMEICT/any other Government Initiatives
6. For Institutional LMS

2. For CEC

Delivered Online lectures Information Communication Technology (ICT)

Faculty: Dr. Sonia

Designation: Associate Professor in Physics

Delivered the online live lecture/s on EDUSAT network through VYAS Channel (Higher Education Satellite Channel of MHRD)/ DD Direct Plus, a DTH platform of Doordarshan and Dish TV, a private DTH operator at Consortium for Educational Communication (CEC) under Inter–University Centre of University Grants Commission (UGC), New Delhi.

S.N.	Title of e-learning material or module (Online)	Subject / broad area	Dates
1.	https://www.youtube.com/watch?v=BPKUvSaJOmW&list=PLNspmbLKJ8KeEIxy81OIC-AGIWJAG8gL&index=28	Interference of Light	11 th July 2016
2.	https://www.youtube.com/watch?v=kRbL2E93I_4&t=1843s	Laser	15 th March 2017
3.	https://www.youtube.com/watch?v=OTT8L2m-FGY&list=PLNspmbLKJ8KeEIxy81OIC-AGIWJAG8gL&index=27	Interference-II	22 nd March 2017
4.	https://www.youtube.com/watch?v=JLC2KkzoQy4&index=26&list=PLNspmbLKJ8KeEIxy81OIC-AGIWJAG8gL	Quantum Nature of Light	12 th April 2017

5.	https://www.youtube.com/watch?v=pUpiEmC746s&list=PLNsppmbLKJ8KeEIxy81OIC-AGIWJAG8gL&index=25	Basics of Quantum Mechanics	5 th May 2017
6.	https://www.youtube.com/watch?v=HcqltIMp-sE&index=24&list=PLNsppmbLKJ8KeEIxy81OIC-AGIWJAG8gL	Special Theory of Relativity	7 th July 2017
7.	https://www.youtube.com/watch?v=awCfTnTmogg&index=23&list=PLNsppmbLKJ8KeEIxy81OIC-AGIWJAG8gL	Polarization	14 th July 2017
8.	https://www.youtube.com/watch?v=p6a6pApcOc4&list=PLNsppmbLKJ8KeEIxy81OIC-AGIWJAG8gL&index=22	Diffraction	4 th August 2017
9.	https://www.youtube.com/watch?v=Ql-jn8fV1pg&index=21&list=PLNsppmbLKJ8KeEIxy81OIC-AGIWJAG8gL	Basics of Quantum Mechanics - I	22 nd August 2017
10.	https://www.youtube.com/watch?v=Lo3Fts9fnlA&list=PLNsppmbLKJ8KeEIxy81OIC-AGIWJAG8gL&index=20	Quantum Mechanics - II	8 th Sept. 2017
11.	https://www.youtube.com/watch?v=UslS1KhiX7k&index=19&list=PLNsppmbLKJ8KeEIxy81OIC-AGIWJAG8gL	Free Electron Theory	22 nd Sept. 2017
12.	https://www.youtube.com/watch?v=t2LwAiA2PVw&index=18&list=PLNsppmbLKJ8KeEIxy81OIC-AGIWJAG8gL	Magnetic Properties of Solid	6 th Oct. 2017
13.	https://www.youtube.com/watch?v=jQyvPkpvxjQ&index=17&list=PLNsppmbLKJ8KeEIxy81OIC-AGIWJAG8gL	Magnetic Properties of Solid-II	10 th Nov. 2017
14.	https://www.youtube.com/watch?v=tx7K0MMDyGY&index=16&list=PLNsppmbLKJ8KeEIxy81OIC-AGIWJAG8gL	Solid State Physics -I	28 th Nov. 2017

15.	https://www.youtube.com/watch?v=kxpxUV8NdDM&index=15&list=PLNsppmbLKJ8KeEIxy81OIC-AGIWJAG8gL	Solid State Physics -II	8 th Dec. 2017
16.	https://www.youtube.com/watch?v=gnqPFDI7L30&list=PLNsppmbLKJ8KeEIxy81OIC-AGIWJAG8gL&index=13	Solid State Physics -III	2 nd Jan. 2018
17.	https://www.youtube.com/watch?v=9mn9lh3inkA&index=14&list=PLNsppmbLKJ8KeEIxy81OIC-AGIWJAG8gL	Solid State Physics -IV	5 th Jan. 2018
18.	https://www.youtube.com/watch?v=zNAVJuoG3vY&index=12&list=PLNsppmbLKJ8KeEIxy81OIC-AGIWJAG8gL	Dielectrics	2 nd Feb. 2018
19.	https://www.youtube.com/watch?v=SAIFhvx42jw&index=11&list=PLNsppmbLKJ8KeEIxy81OIC-AGIWJAG8gL	Photoconductivity	1 st March 2018
20.	https://www.youtube.com/watch?v=OjbGLn7IJFs&list=PLNsppmbLKJ8KeEIxy81OIC-AGIWJAG8gL&index=10	Photoconductivity -II	15 th March 2018
21.	https://www.youtube.com/watch?v=pqaJxXuJxxo&index=9&list=PLNsppmbLKJ8KeEIxy81OIC-AGIWJAG8gL	Photoconductivity -III	23 rd April 2018
22.	https://www.youtube.com/watch?v=JvPT9EOjS9o&list=PLNsppmbLKJ8KeEIxy81OIC-AGIWJAG8gL&index=8	Band Theory -I	27 th April 2018
23.	https://www.youtube.com/watch?v=hq2JnrfLXzo&index=7&list=PLNsppmbLKJ8KeEIxy81OIC-AGIWJAG8gL	Band Theory -II	4 th May 2018

24.	https://www.youtube.com/watch?v=BlyHqABrZjA&list=PLNsppmbLKJ8KeEIxy81OIC-AGIWJAG8gL&index=6	Semiconductor Physics	11 th May 2018
25.	https://www.youtube.com/watch?v=tfqNaZgRx0w&index=5&list=PLNsppmbLKJ8KeEIxy81OIC-AGIWJAG8gL	Superconductivity	22 nd May 2018
26.	https://www.youtube.com/watch?v=eRz0zcbgqDk&list=PLNsppmbLKJ8KeEIxy81OIC-AGIWJAG8gL&index=4	Optical Fibre –I	4 th June 2018
27.	https://www.youtube.com/watch?v=Ap7mJdySkMY&list=PLNsppmbLKJ8KeEIxy81OIC-AGIWJAG8gL&index=3	Optical Fibre –II	14 th June 2018
28.	https://www.youtube.com/watch?v=j6aISgleF1k&list=PLNsppmbLKJ8KeEIxy81OIC-AGIWJAG8gL&index=2	Optical Fibre –III	21 st June 2018
29.	https://www.youtube.com/watch?v=YToaWlQf6fM&list=PLNsppmbLKJ8KeEIxy81OIC-AGIWJAG8gL	Laser Physics-I	2 nd July 2018
30.	https://www.youtube.com/watch?v=UVOY_5cNTNg&list=PLNsppmbLKJ8KeEIxy81OIC-AGIWJAG8gL	Laser Physics-II	30 th July 2018
31.	https://www.youtube.com/watch?v=nKXkSj-pED0&list=PLNsppmbLKJ8KeEIxy81OIC-AGIWJAG8gL&index=5	Laser Physics-III	23 rd Aug. 2018
32.	https://www.youtube.com/watch?v=f9Hl5vKLu34&index=4&list=PLNsppmbLKJ8KeEIxy81OIC-AGIWJAG8gL	Laser Physics-IV	29 th Aug. 2018

33.	https://www.youtube.com/watch?v=2NacefrkKwA&list=PLNsppmbLKJ8KeEIxy81OIC-AGIWJAG8gL&index=3	Types of Laser-I	14 th Sept. 2018
34.	https://www.youtube.com/watch?v=ICFpWloxDyw&index=2&list=PLNsppmbLKJ8KeEIxy81OIC-AGIWJAG8gL	Types of Laser-II	28 th Sept. 2018
35.	https://www.youtube.com/watch?v=JMw9cUODVnU&index=1&list=PLNsppmbLKJ8KeEIxy81OIC-AGIWJAG8gL	Types of Laser-III	1 st Oct. 2018
36.	https://www.youtube.com/watch?v=Rhn6_3U1O3U&index=2&list=PLNsppmbLKJ8KeEIxy81OIC-AGIWJAG8gL	Non Linear Optics	12 th Oct. 2018
37.	https://www.youtube.com/watch?v=Kjpc1vv65Q8&list=PLNsppmbLKJ8KeEIxy81OIC-AGIWJAG8gL&index=3	Wave Motion	26 th Oct. 2018
38.	https://www.youtube.com/watch?v=dh421Awu9x8&list=PLNsppmbLKJ8KeEIxy81OIC-AGIWJAG8gL&index=2	Oscillatory Motion	2 nd Nov. 2018
39.	https://www.youtube.com/watch?v=2N7-XGW9bps&list=PLNsppmbLKJ8KeEIxy81OIC-AGIWJAG8gL&index=1	Oscillatory Motion-II	16 th Nov. 2018
40.	https://www.youtube.com/watch?v=BIOFKwj7sZY&list=PLNsppmbLKJ8KeEIxy81OIC-AGIWJAG8gL	Classical Mechanics-I	29 th Nov. 2018
41.	https://www.youtube.com/watch?v=8ah5DdVpQ2I&list=PLNsppmbLKJ8KeEIxy81OIC-AGIWJAG8gL	Classical Mechanics-II	7 th Dec. 2018

42.	https://www.youtube.com/watch?v=6SQs4ZZsux8&list=PLNsppmbLKJ8KeElxy81OIC-AGIWJAG8gL	Classical Mechanics-III	21 st Dec. 2018
43.	https://www.youtube.com/watch?v=v7J_1RRLAI4&list=PLNsppmbLKJ8KeElxy81OIC-AGIWJAG8gL	Thermodynamics	1 st Feb. 2019
44.	https://www.youtube.com/watch?v=ibZ8RSrP04g&list=PLNsppmbLKJ8KeElxy81OIC-AGIWJAG8gL&index=6	Nano Science and Nanotechnology	26 th Nov.2019
45.	https://www.youtube.com/watch?v=tpNiYFv-IdA&list=PLNsppmbLKJ8KeElxy81OIC-AGIWJAG8gL&index=5	Nanomaterials Synthesis	20 th Dec. 2019
46.	https://www.youtube.com/watch?v=t0ippQDJVM4&list=PLNsppmbLKJ8KeElxy81OIC-AGIWJAG8gL&index=4	Nanomaterials Synthesis-II	28 th Jan. 2020
47.	https://www.youtube.com/watch?v=-BGXhR6wKNQ&list=PLNsppmbLKJ8KeElxy81OIC-AGIWJAG8gL&index=3	Nanomaterials Synthesis-III	28 th Jan. 2020
48.	https://www.youtube.com/watch?v=3ietAJcW4Fo&list=PLNsppmbLKJ8KeElxy81OIC-AGIWJAG8gL&index=2&pbjreload=10	Lithography Techniques - I	1 st March 2020
49.	https://www.youtube.com/watch?v=zfkVdknW4Fo&list=PLNsppmbLKJ8KeElxy81OIC-AGIWJAG8gL&index=1	Lithography Techniques - II	1 st March 2020
50.	https://www.youtube.com/watch?v=7BV4MBqGE9w&list=PLNsppmbLKJ8KeElxy81OIC-AGIWJAG8gL&index=22	Carbon Nano Family-I	4 th Sept. 2020

51.	https://www.youtube.com/watch?v=-1KI51A1FI4&list=PLNspmbLKJ8KeEIxy81OIC-AGIWJAG8gL&index=15	Carbon Nano Family-II	4 th Sept. 2020
52.	https://www.youtube.com/watch?v=TGXx4voFQIw&list=PLNspmbLKJ8KeEIxy81OIC-AGIWJAG8gL&index=16	Carbon Nano Family-III	10 th Sept. 2020
53.	https://www.youtube.com/watch?v=YhI-jgk5GoE&list=PLNspmbLKJ8KeEIxy81OIC-AGIWJAG8gL&index=17	Carbon Nano Family-IV	10 th Sept. 2020
54.	https://www.youtube.com/watch?v=-ZH-pXj9MHc&list=PLNspmbLKJ8KeEIxy81OIC-AGIWJAG8gL&index=21	Characterization of Nanomaterials	21 st Sept. 2020
55.	https://www.youtube.com/watch?v=TJcpDVdxAdc&list=PLNspmbLKJ8KeEIxy81OIC-AGIWJAG8gL&index=20	Electron Microscopy	21 st Sept. 2020
56.	https://www.youtube.com/watch?v=Sjy8KtsEu7Q&list=PLNspmbLKJ8KeEIxy81OIC-AGIWJAG8gL&index=18	Characterization of Nanomaterials : Scanning Electronic Microscopy (SEM) - I	1 st Oct. 2020
57.	https://www.youtube.com/watch?v=vOzfd3TXY3c&list=PLNspmbLKJ8KeEIxy81OIC-AGIWJAG8gL&index=19	Characterization of Nanomaterials : Scanning Electronic Microscopy (SEM) - II	1 st Oct. 2020
58.	https://www.youtube.com/watch?v=GvavMli6yAE&list=PLNspmbLKJ8KeEIxy81OIC-AGIWJAG8gL&index=14	SEM & TEM -I	12 th Oct. 2020
59.	https://www.youtube.com/watch?v=AGp3A-Zadho&list=PLNspmbLKJ8KeEIxy81OIC-AGIWJAG8gL&index=13	SEM & TEM -II	12 th Oct. 2020

60.	https://www.youtube.com/watch?v=U20krFzEbiw&list=PLNsppmbLKJ8KeEIxy81OIC-AGIWJAG8gL&index=12	Scanning Probe Microscopy - STM	19 th Oct. 2020
61.	https://www.youtube.com/watch?v=JlDvRrkVK1A&list=PLNsppmbLKJ8KeEIxy81OIC-AGIWJAG8gL&index=11	Scanning Tunneling Microscopy - I	19 th Oct. 2020
62.	https://www.youtube.com/watch?v=MeUecpFle9A&list=PLNsppmbLKJ8KeEIxy81OIC-AGIWJAG8gL&index=10	STM-II	23 rd Oct. 2020
63.	https://www.youtube.com/watch?v=DptOZLfHQDs&list=PLNsppmbLKJ8KeEIxy81OIC-AGIWJAG8gL&index=9	STM-III	23 rd Oct. 2020
64.	https://www.youtube.com/watch?v=w12KaPCmo9s&list=PLNsppmbLKJ8KeEIxy81OIC-AGIWJAG8gL&index=8	Atomic Force Microscope - I	6 th Nov. 2020
65.	https://www.youtube.com/watch?v=Bct8qhl59s4&list=PLNsppmbLKJ8KeEIxy81OIC-AGIWJAG8gL&index=7	Atomic Force Microscope - II	6 th Nov. 2020
66.	https://www.youtube.com/watch?v=LgNQIc9WqbW&list=PLNsppmbLKJ8KeEIxy81OIC-AGIWJAG8gL&index=6	X-Ray Diffraction - XRD - I	19 th Nov. 2020
67.	https://www.youtube.com/watch?v=xnlfY7Bhi6Q&list=PLNsppmbLKJ8KeEIxy81OIC-AGIWJAG8gL&index=5	X-Ray Diffraction - XRD - II	19 th Nov. 2020
68.	https://www.youtube.com/watch?v=AvDp1EUiAN8&list=PLNsppmbLKJ8KeEIxy81OIC-AGIWJAG8gL&index=4	X-Ray Diffraction - XRD - III	26 th Nov. 2020

69.	https://www.youtube.com/watch?v=RwodYM3XGRg&list=PLNsppmbLKJ8KeEIxy81OIC-AGIWJAG8gL&index=3	X-Ray Diffraction - XRD - IV	26 th Nov. 2020
70.	https://www.youtube.com/watch?v=UEAqtAUU7ns&list=PLNsppmbLKJ8KeEIxy81OIC-AGIWJAG8gL&index=2	UV / Visible Spectroscopy - I	3 rd Dec. 2020
71.	https://www.youtube.com/watch?v=gRkKIMEUOiU&list=PLNsppmbLKJ8KeEIxy81OIC-AGIWJAG8gL&index=1	UV / Visible Spectroscopy - II	3 rd Dec. 2020