Report on Online Class Maintained in Academic Year 2020-2021



Department of Physics, Gour Mahavidyalaya, Mangalbari, Malda.

Details of class maintained

SI No	Faculty Name	Class Assigned	Sem/Year	Slow/ Fast learner Group Maintained
		DC4	Sem2	Yes
1	Dr. Anirban Ray	DC10	Sem4	Yes
		Classical mechanics	3rd Year	Yes
		GE2	Sem2	No
	Dr. Arka Chaudhuri	Statistical Mechanics	3rd Year	Yes
2		3rd Year General	3rd Year	No
		DC9	Sem4	Yes
	Priyanka Chaudhuri	GE4	Sem4	Yes
	i ilyanka chadanan	Atomic Molecluar		
3		Physics	3rd Year	Yes
		GE2	Sem2	Yes
4	Tajnur Khatun	DC9	Sem4	Yes
L	Codhan Diouss	DC8	Sem2	Yes
5	Sadhan Biswas	DC3	Sem4	Yes

· Anisban Ray

Instructor: Dr. Anirban Ray

9	DC10:Analog systems and application Friday, April 23 · 6:00 – 7:00pm Google Meet joining info Video call link: https://meet.google.com/uuk-djcb-ruz	April 23, 2021
10	DC10: Analog Systems and Applications Thursday, April 22 · 6:00 – 7:00pm Google Meet joining info Video call link: https://meet.google.com/yyj-aocc-qkh	April 22, 2021
11	DC10 Wednesday, April 21 · 6:00 – 7:00pm Google Meet joining info Video call link: https://meet.google.com/pqk-guaz-zeu	April 21, 2021
12	DC10: Analog Systems and Applications Monday, April 12 · 4:00 – 5:00pm Google Meet joining info Video call link: https://meet.google.com/dvv-iwih-htc	April 12, 2021

DC4: Waves and Optics Instructor: Dr. Anirban Ray

SL No	Class Detail	Date
1	DC4: Waves and Optics Wednesday, May 26 · 5:30 – 6:30pm Google Meet joining info Video call link: https://meet.google.com/nfv-uqfh-bfm	May 26, 2021
2	DC4: Waves and Optics Saturday, May 22 · 1:00 – 2:00pm Google Meet joining info Video call link: https://meet.google.com/yma-dwut-gqp	May 22, 2021

3	DC4: Waves and Optics Friday, May 21 · 4:00 – 5:00pm Google Meet joining info Video call link: https://meet.google.com/uzz-fecy-zou	May 21, 2021
4	DC4:Waves and Optics Wednesday, May 19 · 4:00 – 5:00pm Google Meet joining info Video call link: https://meet.google.com/swt-jxjw-jrq	May 19, 2021
5	DC4:Wave Motion Tuesday, May 18 · 4:00 – 5:00pm Google Meet joining info Video call link: https://meet.google.com/wsg-jtyd-nix	May 18, 2021
6	DC4:Waves and Optics Monday, May 17 · 4:00 – 5:00pm Google Meet joining info Video call link: https://meet.google.com/ssj-rtpv-tkc	May 17, 2021
7	DC4: Wave Motions Saturday, May 15 · 5:00 – 6:00pm Google Meet joining info Video call link: https://meet.google.com/wsn-udrw-ype	May 15, 2021
8	DC4: Wave Motion Thursday, May 13 · 5:00 – 6:00pm Google Meet joining info Video call link: https://meet.google.com/suc-fdpn-hau	May 13, 2021

9	DC4: Wave Motion Wednesday, May 12 · 5:00 – 6:00pm Google Meet joining info Video call link: https://meet.google.com/cmf-tbjz-vvz	May 12, 2021
10	DC4: Wave Motion Tuesday, May 11 · 5:15 – 6:20pm Google Meet joining info Video call link: https://meet.google.com/sfh-fwct-njj	May 11, 2021
11	DC4: Wave Motion Saturday, May 8 · 5:00 – 6:00pm Google Meet joining info Video call link: https://meet.google.com/asp-grsw-jgj	May 8, 2021
12	DC4T:Wave and Optics Friday, April 23 · 4:00 – 5:00pm Google Meet joining info Video call link: https://meet.google.com/nom-osct-tqq	April 23, 2021
13	DC4:Wave and Optics Thursday, April 22 · 5:00 – 6:00pm Google Meet joining info Video call link: https://meet.google.com/fnw-zwnp-mwh	April 22, 2021
14	DC4T:2021 Wednesday, April 21 · 5:00 – 6:00pm Google Meet joining info Video call link: https://meet.google.com/jcg-gyrm-sdo	April 21, 2021

SI No	Class Detail	Date
1	Classical Mechanics Friday, May 28 · 5:30 – 6:30pm Google Meet joining info Video call link: https://meet.google.com/fax-mgsk-srw	May 28, 2021
2	Classical Mechanics Tuesday, May 25 · 4:30 – 5:30pm Google Meet joining info Video call link: https://meet.google.com/hgo-xzna-gwk	May 25, 2021
3	Classical Mechanics Monday, May 24 · 4:00 – 5:00pm Google Meet joining info Video call link: https://meet.google.com/gpd-vwzn-cpz	May 24, 2021
4	Classical Mechanics Saturday, May 22 · 4:00 – 5:00pm Google Meet joining info Video call link: https://meet.google.com/qhh-qukw-guo	May 22, 2021

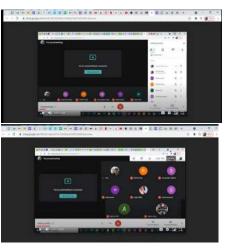
5	Classical Physics Friday, May 21 · 5:30 – 6:30pm Google Meet joining info Video call link: https://meet.google.com/kyn-qazx-ngt	May 21, 2021
6	Classical Mechanics Wednesday, May 19 · 5:30 – 6:30pm Google Meet joining info Video call link: https://meet.google.com/rcx-fjbr-pvh	May 19, 2021
7	Classical Mechanics Tuesday, May 18 · 5:00 – 6:00pm Google Meet joining info Video call link: https://meet.google.com/wrf-omnx-miq	May 18, 2021
8	Classical Mechanics Monday, May 17 · 6:00 – 7:00pm Google Meet joining info Video call link: https://meet.google.com/uvr-ugye-xqy	May 17, 2021
9	Classical Physics Saturday, May 15 · 6:00 – 7:00pm Google Meet joining info Video call link: https://meet.google.com/mck-uuee-dzc	May 15, 2021
10	Classical Mechanics Thursday, May 13 · 6:30 – 7:30pm Google Meet joining info Video call link: https://meet.google.com/kwb-qozh-hzq	May 13, 2021

11	Classical Mechanics Wednesday, May 12 · 6:30 – 7:30pm Google Meet joining info Video call link: https://meet.google.com/vut-okbr-cho	May 12, 2021
12	Classical Mechanics Tuesday, May 11 · 6:30 – 7:30pm Google Meet joining info Video call link: https://meet.google.com/mfx-wrjj-uvz	May 11, 2021
13	Classical Physics Friday, May 7 · 5:00 – 6:00pm Google Meet joining info Video call link: https://meet.google.com/jpd-qgjy-yag	May 7, 2021
14	Classical Mech Thursday, May 6 · 5:00 – 6:00pm Google Meet joining info Video call link: https://meet.google.com/rkb-tbbp-oqf	May 6, 2021
15	Quantum Mechanics & Classical Mechanics Wednesday, May 5 · 4:00 – 5:00pm Google Meet joining info Video call link: https://meet.google.com/gki-yoxk-goc	May 5, 2021
16	Quantum Mechanics Saturday, April 24 · 11:30am – 12:30pm Google Meet joining info Video call link: https://meet.google.com/tkm-isws-qik	April 24, 2021

17	Quantum Mechanics Friday, April 23 · 1:00 – 2:00pm Google Meet joining info Video call link: https://meet.google.com/kbu-jxjb-rdd	April 23, 2021
18	Quantum Mechanics Thursday, April 22 · 3:30 – 4:30pm Google Meet joining info Video call link: https://meet.google.com/gua-unbh-qff	April 22, 2021
19	Quantum Mechanics Wednesday, April 21 · 3:00 – 4:00pm Google Meet joining info Video call link: https://meet.google.com/jua-oehe-ure	April 21, 2021
20	Quantum Mechanics Monday, April 19 · 3:00 – 4:00pm Google Meet joining info Video call link: https://meet.google.com/ywi-cbyb-was	April 19, 2021
21	Quantum Mechanics Saturday, April 17 · 11:30am – 12:30pm Google Meet joining info Video call link: https://meet.google.com/uba-vjnq-imr	April 17, 2021
22	Quantum Mechanics Tuesday, April 13 · 1:30 – 2:30pm Google Meet joining info Video call link: https://meet.google.com/vap-nawf-cyk	April 13, 2021

23	Quantum Mechanics Monday, April 12 · 1:00 – 2:00pm Google Meet joining info Video call link: https://meet.google.com/jvg-oomb-byb	April 12, 2021
24	Quantum Mechanics Saturday, April 10 · 2:00 – 4:00pm Google Meet joining info Video call link: https://meet.google.com/vug-eagj-yiv	April 10, 2021
25	Quantum Mechanics Friday, April 9 · 11:00am – 2:00pm Google Meet joining info Video call link: https://meet.google.com/nov-xsjk-avd	April 9, 2021
26	Quantum Mechanics Thursday, April 8 · 11:00am – 2:00pm Google Meet joining info Video call link: https://meet.google.com/nrc-sxum-dpk	April 8, 2021
27	Quantum Mechanics Tuesday, March 9 · 5:00 – 6:00pm Google Meet joining info Video call link: https://meet.google.com/xfx-ufpq-vhg	March 9, 2021
28	Quantum Mechanics Monday, March 8 · 2:00 – 5:00pm Google Meet joining info Video call link: https://meet.google.com/rxh-cvhf-kgf	March 8, 2021

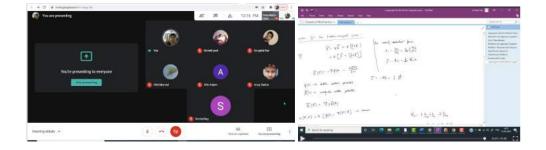
29	Quantum Mechanics Saturday, February 20 · 10:00 – 11:00am Google Meet joining info Video call link: https://meet.google.com/opk-ypwm-hqj	February 20, 2021
30	Quantum Mechanics Saturday, February 20 · 12:00 – 1:00pm Google Meet joining info Video call link: https://meet.google.com/koq-ygsd-ize	February 20, 2021
31	Quantum Mechanics Saturday, February 13 · 5:00 – 7:00pm Google Meet joining info Video call link: https://meet.google.com/dry-vtun-mxu	February 13, 2021











DC2:Mechanics Instructor: Dr. Anirban Ray

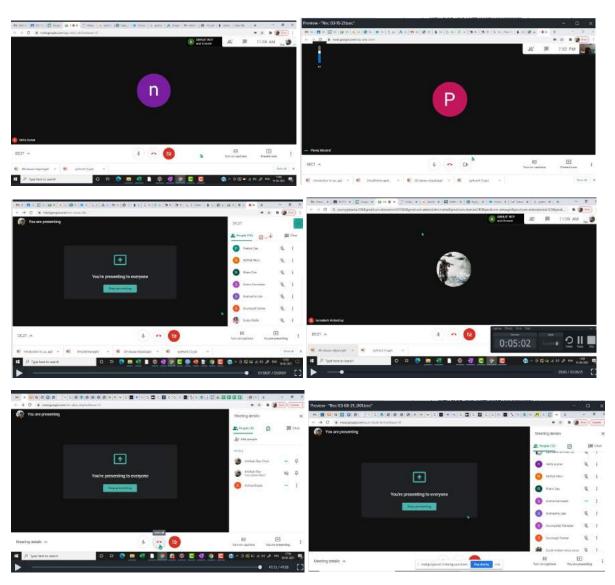
SI No	Class Detail	Date
1	DC2T Wednesday, March 17 · 12:00 – 1:00pm Google Meet joining info Video call link: https://meet.google.com/gga-gaso-gcs	March 17, 2021
2	DC2T Wednesday, March 17 · 6:00 – 7:00pm Google Meet joining info Video call link: https://meet.google.com/sac-vupn-xue	March 17, 2021
3	DC2T Tuesday, March 16 · 11:00am – 1:00pm Google Meet joining info Video call link: https://meet.google.com/smc-woao-xtp	March 16, 2021
4	DC2T Tuesday, March 16 · 5:00 – 6:00pm Google Meet joining info Video call link: https://meet.google.com/nqb-bucq-fbg	March 16, 2021

5	DC2T Sunday, March 14 · 11:00am – 1:00pm Google Meet joining info Video call link: https://meet.google.com/dgc-etwz-rdn	March 14, 2021
6	DC2T Saturday, March 13 · 11:00am – 4:00pm Google Meet joining info Video call link: https://meet.google.com/aff-yguz-rwx	March 13, 2021
7	DC2T Wednesday, March 10 · 12:00 – 2:00pm Google Meet joining info Video call link: https://meet.google.com/hhm-jhem-uhj	March 10, 2021
8	DC2T Friday, February 19 · 1:00 – 2:00pm Google Meet joining info Video call link: https://meet.google.com/uzz-jqem-frj	February 19, 2021

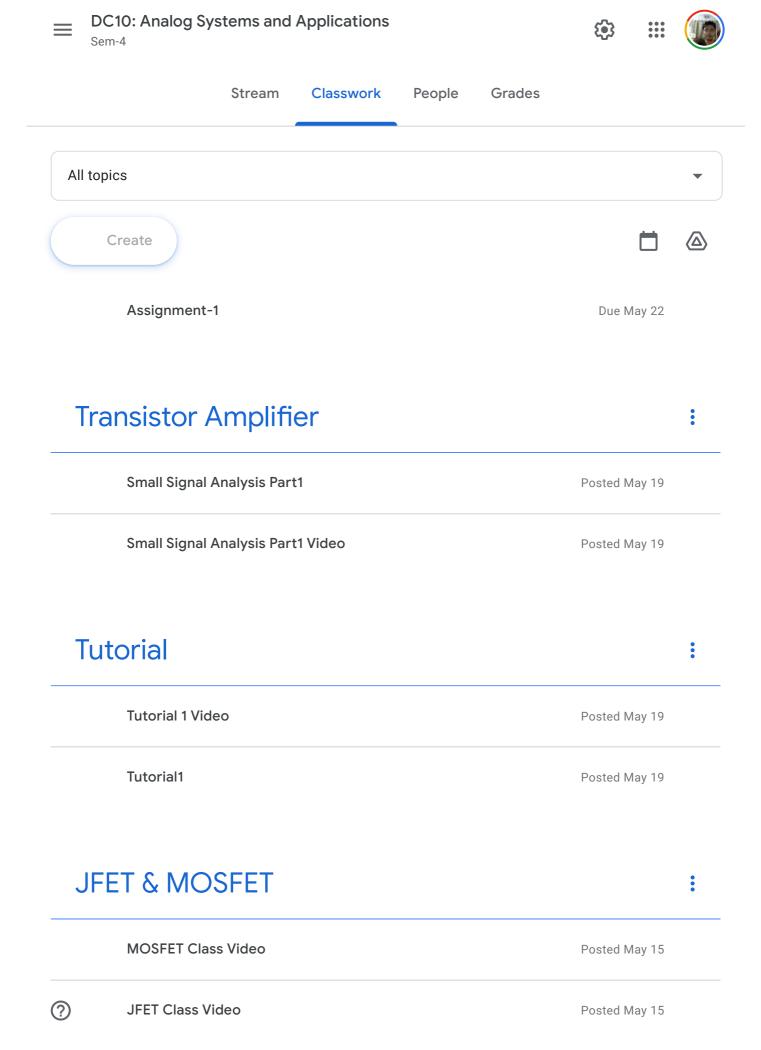
DC7: Digital Systems Instructor: Dr. Anirban Ray

SI No	Class Detail	Date
1	DC7T Thursday, February 18 · 5:30 – 6:30pm Google Meet joining info Video call link: https://meet.google.com/bue-zren-qni	February 18, 2021

2	DC7T Monday, February 15 · 4:00 – 5:00pm Google Meet joining info Video call link: https://meet.google.com/ysy-gcjz-nif	February 15, 2021
3	DC2T:Vector Saturday, February 13 · 1:00 – 2:00pm Google Meet joining info Video call link: https://meet.google.com/zis-gfpr-hvb	February 13, 2021



LMS Software: Google Class Rooms are maintained for all the classes.



DC10: Analog Systems and Applications Sem-4







Stream Classwork	People	Grades	
Lecture-7: Universal Bias Voltage divi			Posted May 15
Lecture-7:Part2 Universal Bias			Posted May 15
Lecture-7: BJT Biasing Part1 Video			Posted May 15
Lecture-7: BJT Biasing Part1			Posted May 15
Lecture-6:Part2 Video			Posted May 15
Lecture-6:Part2			Posted May 15
Lecture-6: BJT I-V characteristics Vi			Posted May 12
Lecture-6: BJT I-V characteristics			Posted May 12
Lecture-5: BJT Class Video			Posted May 8
Lecture-5: BJT			Posted May 8

P-N Junctions

	Lecture-3	Posted May 15
	Lecture-4	Posted May 15
?	P-N Junction Class Note	Posted Apr 22
(1)		



DC10: Analog Systems and Applications

Sem-4







Stream

Classwork

People

Grades

Introduction



Introduction Posted Apr 12

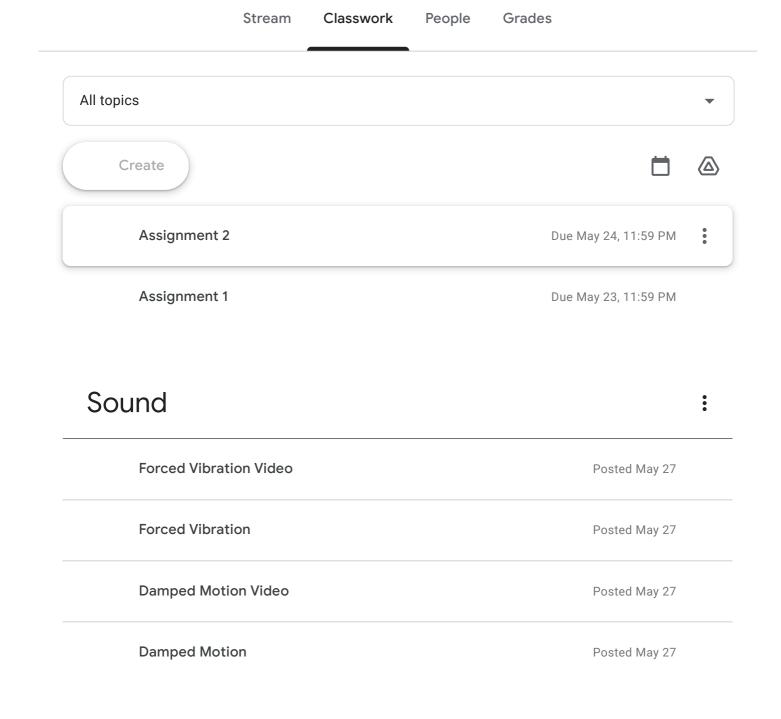












Wave Motion

	Standing Wave in a Pipe Video	Posted May 27
	Standing Wave in a Pipe	Posted May 27
?	Bowed String Video	Posted May 19









Stream	Classwork	People	Grades	
Plucked String				Posted May 19
Standing Wave in a string	video			Posted May 19
Standing Wave in a string	l			Posted May 19
Stationary Wave 2				Posted May 15
Standing Wave				Posted May 15
	Plucked String Standing Wave in a string Standing Wave in a string Stationary Wave 2	Plucked String Standing Wave in a string video Standing Wave in a string Stationary Wave 2	Plucked String Standing Wave in a string video Standing Wave in a string Stationary Wave 2	Plucked String Standing Wave in a string video Standing Wave in a string Stationary Wave 2

View more

Superposition of simple harmonic oscillations

Superposition of simple Harmonic O	Posted Apr 23
Lissajous curve Class Video	Edited Apr 23
Superposition of simple Harmonic O	Posted Apr 23
Lissajous curve	Posted Apr 23
Super Position of two colinear simple	Posted Apr 21
Superposition of two colinear simple	Posted Apr 21











	Stream	Classwork	People	Grades	
All topics					•
Create					
Assignment5				Due Apr 26	
Assignment4				Due Apr 13	•
Assignment3				Due Apr 13	
Assignment 2	= 1			Due Apr 10, 11:00 AM	
Assignment 1				Due Feb 21, 11:59 PM	

Canonical Transformation

:

	Symplectic Method and Poisson's Eq	Posted May 26
	Symplectic Approach & Poisson's Bra	Edited May 26
	Liouville's Theorem	Posted May 26
	Canonical Transformation2 Video	Posted May 26
	Canonical Transformation2	Posted May 26
?		









Stream Classwork People Grades

Variational Principle

:

Variational Principle class1 Video

Variational Principle Class2 Video

Posted May 18

Variational Principle Class 1 & Class 2...

Posted May 18

Posted May 18

Hamiltonian and Hamilton's Equation

:

Problems on	Hamiltonian	Class Video	

Posted May 18

Problems on Hamiltonian

Posted May 18

Lect6: Hamilton's Equation and Lege...

Posted May 15

Lect6: Hamilton's Equation and Lege...

Posted May 15

Integrals of Motion

:

Lect5: Noether's theorem Video

Posted May 15

Lect5: Noether's theorem

Edited May 15











Stream Classwork	People	Grades	
Lect4: Problems on Lagrangian Video			Edited May 12
Lect4: Problems on Lagrangian		F	Posted May 12
Lect1:Introduction			Posted May 8
Lect1: Video Material		F	Posted May 10
Lect2:Derivation of Lagrange's Equat			Posted May 9
Lect2: Derivation of Lagrange's Equa			Posted May 8
Lect-3:Hamiltonian and Examples of			Posted May 8
Lect.3-Video			Posted May 8

Angular Momentum, and Central Potentials

	Quantum Mechanics in 3D Hydrogen	Posted Apr 23
	Quantum Mechanics in 3D Hydrogen	Posted Apr 23
	Quantum Mechanics in 3D and Centr	Posted Apr 23
	Quantum Mechanics in 3D and Centr	Posted Apr 23
?	Angular Momentum Class Video	Edited Apr 24









Stream

Classwork

People

Grades

Quantum Physics in One-dimensional Potenti...

Harmonics Oscillator Class Video	Posted Apr 19
Harmonic Oscillator	Posted Apr 19
Finite Square Well Class Video	Posted Apr 19
Finite Square Well	Posted Apr 19
Class Video 12/04/2021	Edited Apr 12
The Infinite Square Well	Posted Apr 12
Solving the Time-Independent Schro	Posted Apr 12
Class Lecture on 10/04/2021	Posted Apr 11
Solving the Time-independent Schro	Posted Apr 11

Schrodinger's Equation

•

	Observables and Hermitian Operators	Posted Apr 11
	Video Lecture on 09/04/2021	Posted Apr 9
?	Uncovering momentum space	Posted Apr 9









Stream Classwork	People	Grades		
vvave packets and oncertainty			i osteu Apr o	
Normalization and time evolution			Posted Apr 8	
Commutation and Linear Operator Vi			Posted Mar 10	
Commutation and Linear Operator			Posted Mar 10	
Wave Equation Video			Posted Mar 9	

de Broglie Wave, Group velocity and Phase Ve...:

View more

Group Velocity and Phase Video	Posted Mar 9
Group Velocity and Phase Velocity N	Edited Mar 9
de Broglie Wave Note	Posted Feb 23
de Broglie Wave Video	Posted Feb 23

Photoelectric effect, Compton scattering, and...:

	Compton Scattering and Matter Wave	Posted Feb 20
?	Compton Scattering and Matter Wav	Posted Feb 20









Stream

Classwork

People

Grades

An Overview of Quantum Mechanics

:

An Overview of Quantum Mechanics	Posted Feb 13
An Overview of Quantum Mechanics	Posted Feb 13
An Overview of Quantum Mechanics	Posted Jan 21
An Overview of Quantum Mechanics	Posted Jan 21

Course Detail

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Course Detail Posted Jan 21



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DC7- Digital Systems and Application

Theory(Credit-4)





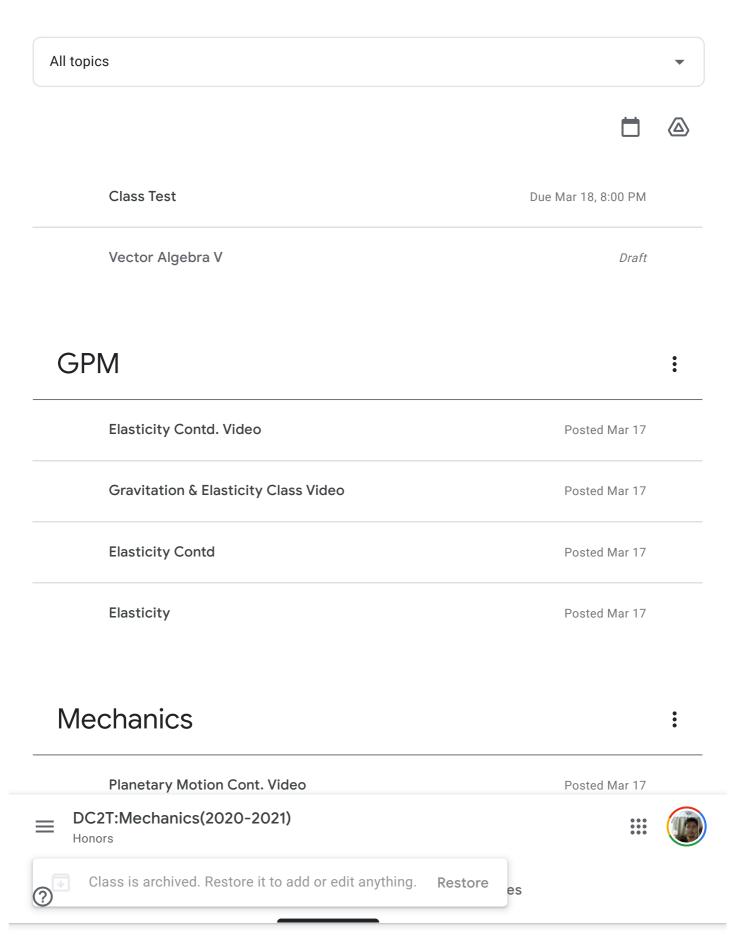


Stream Classwork People Grades

Create		
Ripple Counter and 555 timer	Posted Mar 14	
Registrar Counter Video	Posted Mar 9	
Registrar And Counter Note	Posted Mar 9	
Sequential Logic Revisited Video	Posted Feb 19	
Sequential Logic Revisited(Contd.2)	Posted Feb 19	
Assignment1	Due Feb 20, 12:00 PM	
Sequential Logic Revisited(Contd.2)	Edited Feb 19	
Sequential Logic Revisited(Contd.1)	Posted Feb 19	
Sequential Logic Revisited	Edited Feb 19	
Sequential Logic Revisited(Contd.1)	Edited Feb 19	

View more





Rotating Coordinate System	Posted Mar 17
Space Motion of Rigid Body	Posted Mar 17
Dynamics of Rigid Body	Posted Mar 17
Galilean Transformation Contd.	Posted Mar 17
Gravitation	Posted Mar 17
Rigid-Body dynamics	Posted Mar 13
Non-inertial frame of reference	Posted Mar 13

View more

Vector Analysis

:

Assignment1	Due Feb 20, 12:00 PM	
Vector Operation	Posted Feb 19	
Vector Analysis: Gradient, Divergenc	Posted Feb 19	
Vector Analysis: Gradient, Divergenc	Edited Feb 19	
Vector Triple Product and Gradient	Posted Feb 17	
Vector Analysis Class Video	Edited Feb 19	
Class is archived. Restore it to add or edit anything. Restore	Posted Feb 13	

CLASS DIARY : DC10 NAME OF TEACHER : Dr. Anirban Ray

DEPARTMENT : PHYSICS SESSION : 2020-2021

B.Sc: HONOURS, SEM IV Total no of class: 14

SI No	Date	Topic	No of class
1	28.05.2021	Small Signal Analysis of RC-Coupled Amplifer	1
2	22.05.2021	Small signal Analysis of Voltage Divider Circuit	1
3	18.05.2021	Small Signal Analysis	1
4	18.05.2021	Biasing Scheme and Stability(Voltage Divider Circuit)	1
5	17.05.2021	Biasing Scheme and Stability	1
6	15.05.2021	Eber's Moll model	1
8	13.05.2021	I-V Characteristics of Transistor	
			1
9	12.05.2021	ВЈТ	1
10	11.05.2021	Clipper and Clamper Circuit	1
11	23.04.2021	Diode Rectifier	1
12	22.04.2021	Diode Characteristics	1
13	21.04.2021	p-n junction class note	1
14	12.04.2021	Semiconductor	1

Arisban Ray

CLASS DIARY: DC4 NAME OF TEACHER: Dr. Anirban Ray

DEPARTMENT : PHYSICS SESSION : 2020-2021

B.Sc: HONOURS, SEM II Total no of class: 15

SI No	Date	Topic	No of class
1	26.05.2021	Huygen's Theorem	1
2	22.05.2021	Forced Vibration	1
3	21.05.2021	Damped Vibration	1
4	19.05.2021	Bowed String	1
5	18.05.2021	Plucked String and Struck String	1
6	17.05.2021	Fourier's Analysis of Wave Equation	1
8	15.05.2021	Solution of Wave Equation	1
9	13.05.2021	Stationary Wave Solution	1
10	12.05.2021	Plane Wave	1

11	11.05.2021	Propagation of Wave	1
12	08.05.2021	Wave Motion General	1
13	23.04.2021	Lissajous Carve	1
14	22.04.2021	Superposition of SHM contd.	1
15	21.04.2021	Superposition of SHM	1

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CLASS DIARY: Classical Mechanics NAME OF TEACHER: Dr. Anirban Ray

DEPARTMENT : PHYSICS SESSION : 2020-2021

B.Sc: HONOURS, 3rd Year Total no of class: 16

SI No	Date	Topic	No of class
1	28.05.2021	Small Oscillation	1
2	25.05.2021	Symplectic Approach to canonical Transformation 2	1
3	24.05.2021	Symplectic Approach to canonical Transformation	1
4	22.05.2021	Liouville's Theorem	1
5	21.05.2021	Canonical Transformation 2	1
6	19.05.2021	Canonical Transformation	1
8	18.05.2021	Lagrangian for electromagnetic wave	1
9	17.05.2021	Variational Principle	1
10	15.05.2021	Hamiltonian Problems	1
11	13.05.2021	Hamiltonian Dynamics	1
12	12.05.2021	Noether's Theorem and Conserved Quantities	1
13	11.05.2021	Problems on Lagrange's Equation	1
14	07.05.2021	Hamiltonian	1
15	06.05.2021	Derivation of Lagrange's Equation	1
16	05.05.2021	Classical Mechanics Introduction	

CLASS DIARY: Quantum Mechanics NAME OF TEACHER: Dr. Anirban Ray

DEPARTMENT: PHYSICS SESSION: 2020-2021

B.Sc: HONOURS, 3rd Year Total no of class: 14

SI No	Date	Topic	No of class
1	24.04.2021	Quantum Mechanics in 3D Hydrogen Atom Problem, Hydrogen Atom Spectrum	1
2	23.04.2021	Quantum Mechanics in 3D and Central Potential (Contd.)	1
3	22.04.2021	Quantum Mechanics in 3D and Central Potential	1
4	21.04.2021	Harmonic Oscillator	1

5	19.04.2021	Infinite Square Well, Finite Square Well	1
6	17.04.2021	Solving time dependent Schrodinger Equation, Stationary States	1
8	13.04.2021	Observables and Hermitian operators	1
9	12.04.2021	Normalization and time evolution, Wave packet and Uncertainty, Uncovering momentum space	1
10	10.04.2021	Equation for wavefunction, Commutation	1
11	09.04.2021	De Broglie Wavelength, Phase Velocity and Group Velocity	1
12	08.04.2021	Photo Electric Effect, Compton Scattering	1
13	20.02.2021		1
14	13.02.2021	An Overview of Quantum Mechanics, Determinism	1

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CLASS DIARY: DC7 NAME OF TEACHER: Dr. Anirban Ray

DEPARTMENT : PHYSICS SESSION : 2020-2021

B.Sc : HONOURS , SEM III Total no of class: 15

SI No	Date	Topic	No of class
1	18.02.2021	Digital Counters	1
2	15.02.2021	Digital Registrars	1
3	13.02.2021	Digital System Recapitulation	1

CLASS DIARY: DC42 NAME OF TEACHER: Dr. Anirban Ray

DEPARTMENT : PHYSICS SESSION : 2020-2021

B.Sc: HONOURS, SEM II Total no of class: 15

SI No	Date	Topic	No of class
1	17.03.2021	Viscosity, Fluid Mechanics	3
2	17.03.2021	Elasticity	1
3	16.03.2021	Rotating Coordinate system, Planetary Motion	3
4	14.03.2021	Galilean Transformation, Dynamics of rigid body, Space Motion	3
5	13.03.2021	Variational Mass, Rotational Motion	3
6	10.03.2021	Vector Operations, Mechanics-introduction, Time Integral of force	1
7	19.02.2021	Vector Analysis, Vector Product, Vector Fields	1

Arisban Ray

Online Class Details:

Paper Name: Physics General 7th Paper

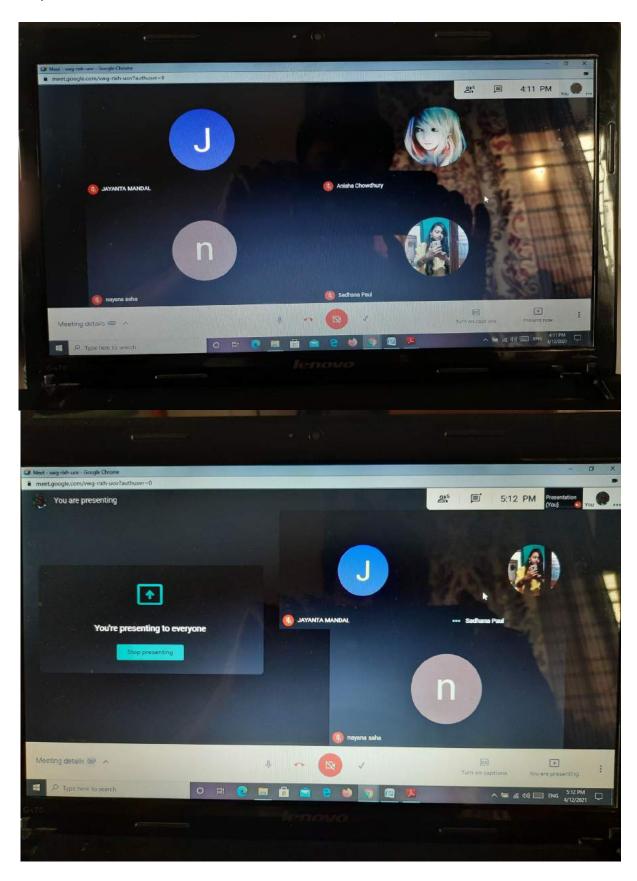
Semester: 3rd year

Sl. No.	Date	Weblink	Duration
1	08-04-21	meet.google.com/vwg-rixh-uov	80 min
2	09-04-21	meet.google.com/vwg-rixh-uov	50 min
3	12-04-21	meet.google.com/vwg-rixh-uov	50 min
4	16-04-21	meet.google.com/vwg-rixh-uov	55 min
5	17-04-21	meet.google.com/vwg-rixh-uov	50 min
6	19-04-21	meet.google.com/vwg-rixh-uov	45 min
7	20-04-21	meet.google.com/vwg-rixh-uov	50 min
8	22-04-21	meet.google.com/vwg-rixh-uov	50 min
9	23-04-21	meet.google.com/vwg-rixh-uov	70 min
10	29-04-21	meet.google.com/vwg-rixh-uov	50 min
11	01-05-21	meet.google.com/vwg-rixh-uov	45 min
12	03-05-21	meet.google.com/vwg-rixh-uov	45 min
13	05-05-21	meet.google.com/vwg-rixh-uov	45 min
14	08-05-21	meet.google.com/vwg-rixh-uov	45 min
15	10-05-21	meet.google.com/vwg-rixh-uov	45 min

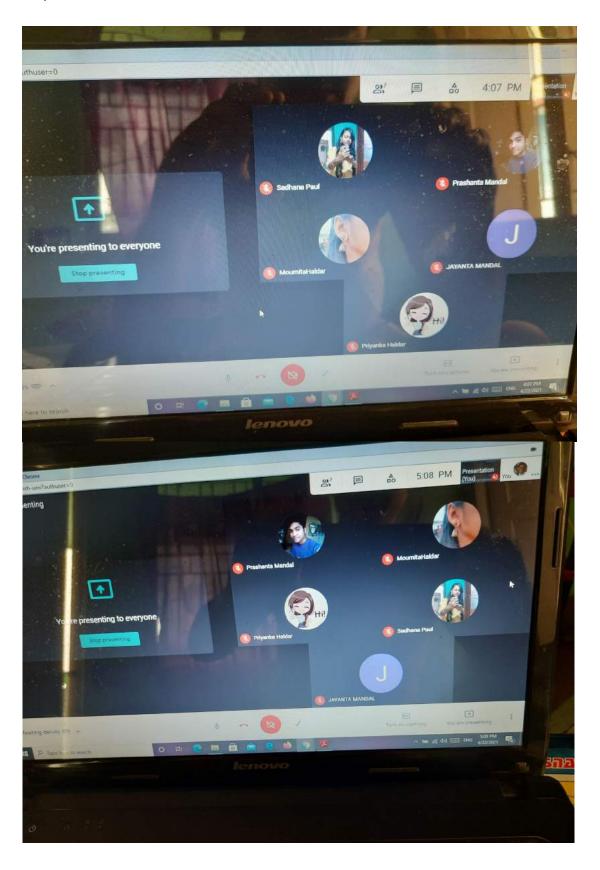
Sl. No.	Date	Weblink	Duration
16	12-05-21	meet.google.com/vwg-rixh-uov	65 min
17	13-05-21	meet.google.com/vwg-rixh-uov	50 min
18	15-05-21	meet.google.com/vwg-rixh-uov	50 min
19	18-05-21	meet.google.com/vwg-rixh-uov	50 min
2021	21-05-21	meet.google.com/vwg-rixh-uov	45 min
	22-05-21 25-05-21	meet.google.com/vwg-rixh-uov	50 min
		meet.google.com/vwg-rixh-uov	60 min

Some Snapshots of Online Class:

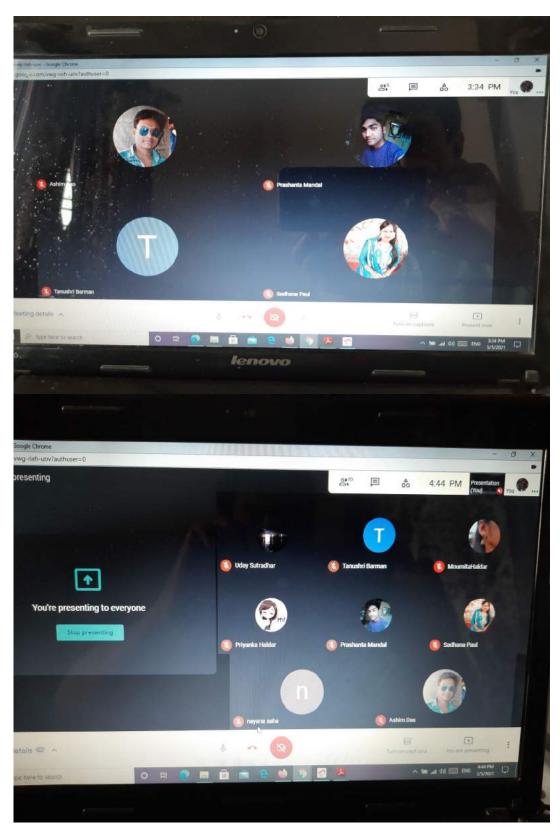
Snapshot of class on 12-04-21



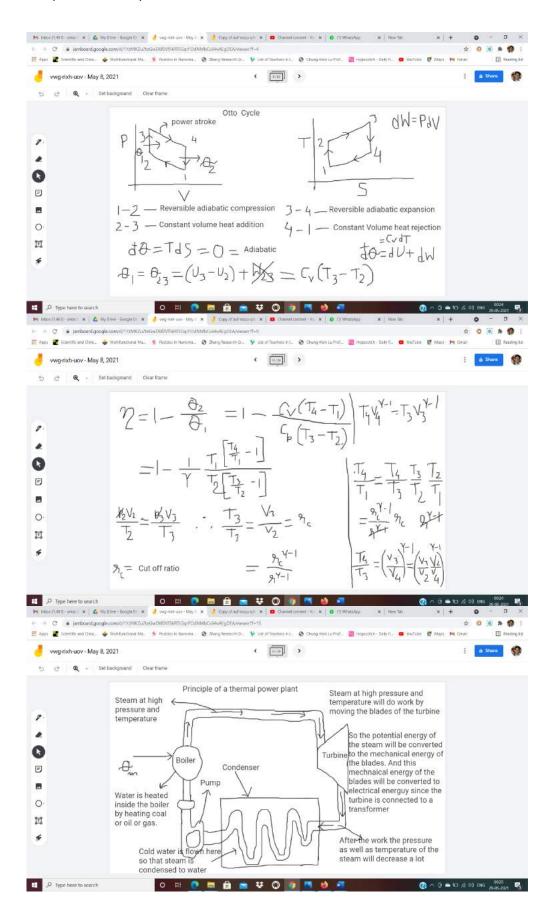
Snapshot of class on 22-04-21



Snapshot of class on 05-05-21



Some Snapshots of Study materials:



Whether teacher has used any LMS software: NO

If Yes, then name the software: Google Class Room(If no, delete this)

Screen Shots of LMS software class:

Arka Chaudhuri

Dr. Arka Chaudhuri

Assistant Professor

Dept. of Physics

Gour Mahavidyalaya

Online Class Details:

Paper Name: Paper VII (Statistical Mechanics)

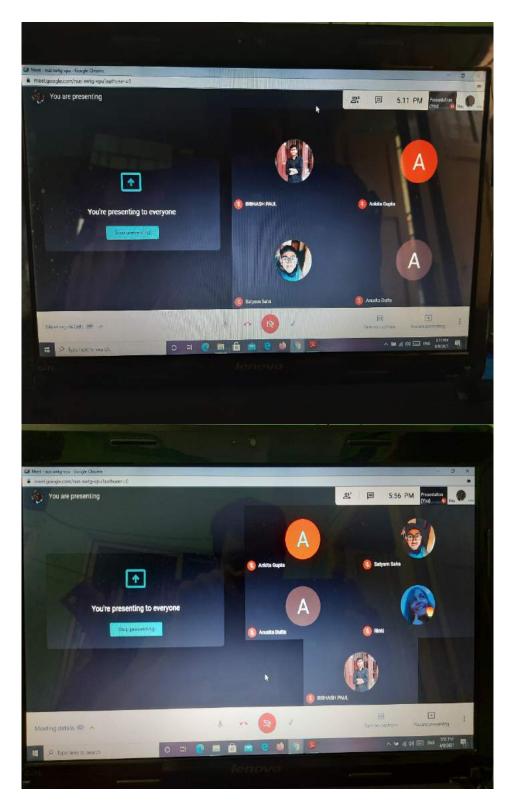
Semester: 3rd year

Sl. No.	Date	Weblink	Duration
1	18-01-21	meet.google.com/nus-xwtg-vpu	50 min
2	19-01-21	meet.google.com/nus-xwtg-vpu	50 min
3	20-01-21	meet.google.com/nus-xwtg-vpu	50 min
4	22-01-21	meet.google.com/nus-xwtg-vpu	55 min
5	10-02-21	meet.google.com/nus-xwtg-vpu	50 min
6	11-02-21	meet.google.com/nus-xwtg-vpu	45 min
7	18-02-21	meet.google.com/nus-xwtg-vpu	50 min
8	19-02-21	meet.google.com/nus-xwtg-vpu	50 min
9	20-02-21	meet.google.com/nus-xwtg-vpu	50 min
10	22-02-21	meet.google.com/nus-xwtg-vpu	50 min
11	23-02-21	meet.google.com/nus-xwtg-vpu	45 min
12	26-02-21	meet.google.com/nus-xwtg-vpu	45 min
13	03-03-21	meet.google.com/nus-xwtg-vpu	45 min
14	04-03-21	meet.google.com/nus-xwtg-vpu	45 min
15	05-03-21	meet.google.com/nus-xwtg-vpu	45 min

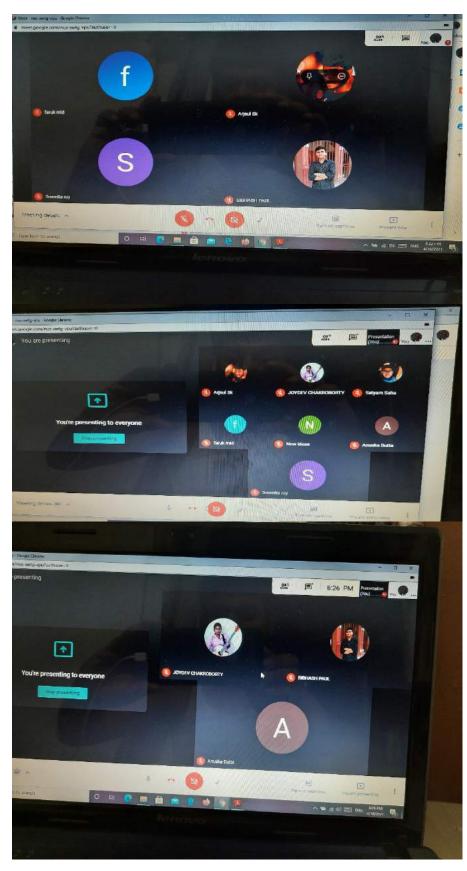
Sl. No.	Date	Weblink	Duration
16	07-03-21	meet.google.com/nus-xwtg-vpu	45 min
17	09-03-21	meet.google.com/nus-xwtg-vpu	50 min
18	10-03-21	meet.google.com/nus-xwtg-vpu	45 min
19	05-04-21	meet.google.com/nus-xwtg-vpu	45 min
20	06-04-21	meet.google.com/nus-xwtg-vpu	45 min
21	08-04-21	meet.google.com/nus-xwtg-vpu	45 min
22	09-04-21	meet.google.com/nus-xwtg-vpu	50 min
23	10-04-21	meet.google.com/nus-xwtg-vpu	45 min
24	12-04-21	meet.google.com/nus-xwtg-vpu	45 min
25	13-04-21	meet.google.com/nus-xwtg-vpu	45 min
26	14-04-21	meet.google.com/nus-xwtg-vpu	45 min
27	16-04-21	meet.google.com/nus-xwtg-vpu	2 hrs
28	19-04-21	meet.google.com/nus-xwtg-vpu	50 min
29	20-04-21	meet.google.com/nus-xwtg-vpu	55 min

Some Snapshots of Online Class:

Snapshot of class on 09-04-21



Snapshot of class on 16-04-21



Some Snapshots of Study materials:



Whether teacher has used any LMS software: Yes/No NO

If Yes, then name the software: Google Class Room(If no, delete this)

Screen Shots of LMS software class:

Online Class Details:

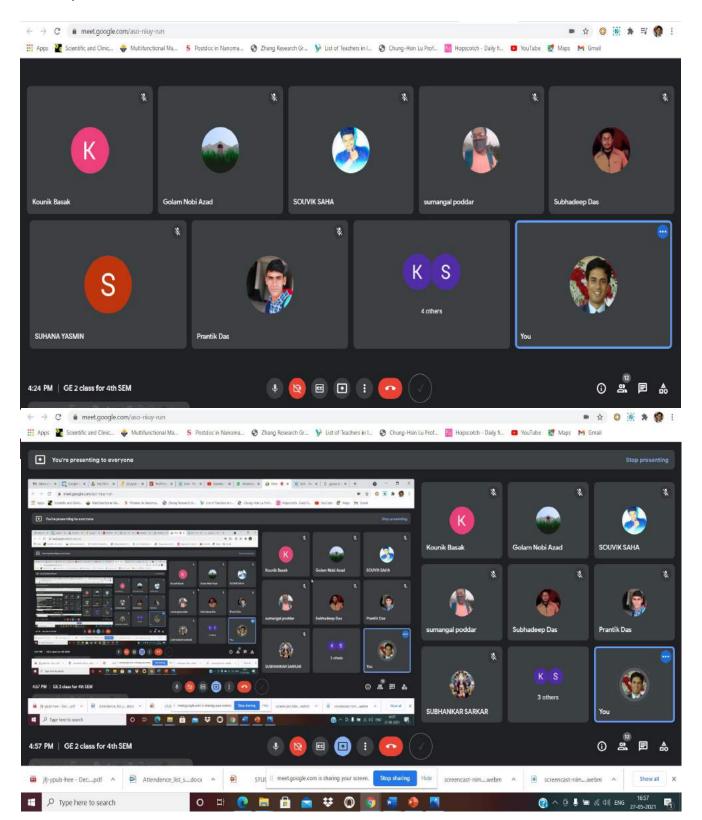
Paper Name: GE2

Semester: 2nd

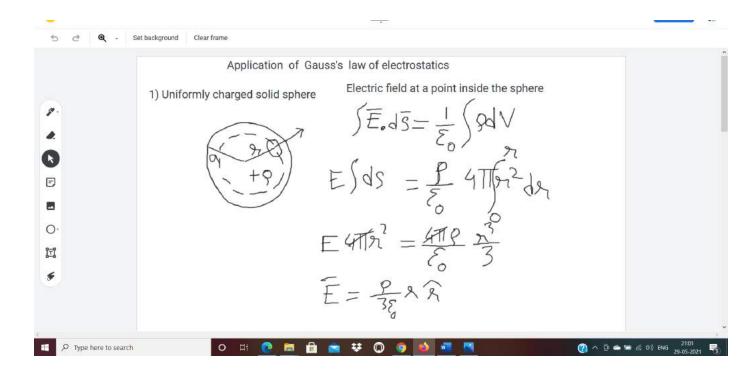
Sl. No.	Date	Weblink	Duration
1	27-05-21	meet.google.com/aso-niuy-run	55 min
2	28-05-21	meet.google.com/aso-niuy-run	55 min
3			
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15			

Some Snapshots of Online Class:

Snapshot of class on 27-05-21



Some Snapshots of Study materials:



Whether teacher has used any LMS software: Yes/No NO

If Yes, then name the software: Google Class Room(If no, delete this)

Screen Shots of LMS software class:

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Dr. Arka Chaudhuri

Assistant Professor

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Online Class Details:

Paper Name: PHSG- GE-1T

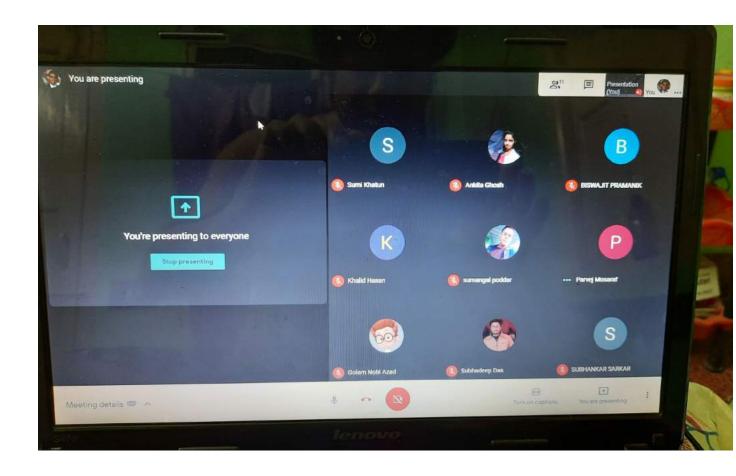
Semester: 1st SEM

Sl. No.	Date	Weblink	Duration
1	13-02-21	meet.google.com/zph-ufsn-vhn	80 min
2	18-02-21	meet.google.com/zph-ufsn-vhn	50 min
3	19-02-21	meet.google.com/zph-ufsn-vhn	50 min
4	20-02-21	meet.google.com/zph-ufsn-vhn	55 min
5	22-02-21	meet.google.com/zph-ufsn-vhn	50 min
6	23-02-21	meet.google.com/zph-ufsn-vhn	45 min
7	26-02-21	meet.google.com/zph-ufsn-vhn	50 min
8	04-03-21	meet.google.com/zph-ufsn-vhn	50 min
9	10-03-21	meet.google.com/zph-ufsn-vhn	70 min
10	12-03-21	meet.google.com/zph-ufsn-vhn	50 min
11	13-03-21	meet.google.com/zph-ufsn-vhn	45 min
12	15-03-21	meet.google.com/zph-ufsn-vhn	45 min
13	16-03-21	meet.google.com/zph-ufsn-vhn	45 min
14	18-03-21	meet.google.com/zph-ufsn-vhn	45 min
15	19-03-21	meet.google.com/zph-ufsn-vhn	45 min

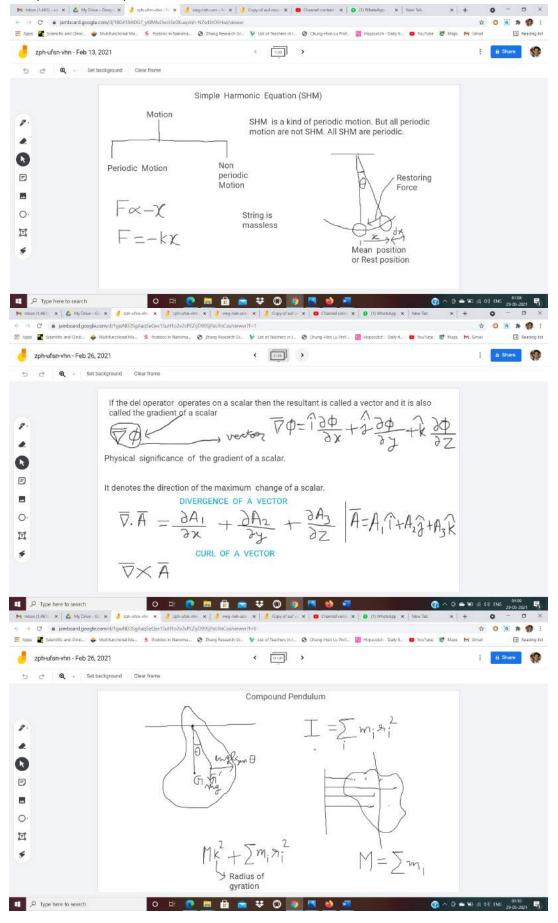
Sl. No.	Date	Weblink	Duration
16	20-03-21	meet.google.com/zph-ufsn-vhn	60 min
17			
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29			

Some Snapshots of Online Class:

Snapshot of class on 12-03-21



Some Snapshots of Study materials:



Whether teacher has used any LMS software: NO

If Yes, then name the software: Google Class Room(If no, delete this)

Screen Shots of LMS software class:

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Assistant Professor

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Gour Mahavidyalaya

Class Diary for Paper VII (Statistical Mechanics) 3rd year

<u>Date</u>	Topics Taught
18/01/21	Inroduction to Statistical Mechanics, Concept of
	Macrostate and microstate,
19/01/21	Postulate of equal aprori probability,
	Thermodynamic probability, Entropy
20/01/21	Phase space, Density of states, Thermodynamic
	limit, Macro and micro state revisited
22/01/21	Ensemble theory, Micro, Macro and Grand
	canonical ensemble
10/02/21	Ensemble theory contd. Partition function,
11/02/21	Calculation of various thermodynamic
	quantities using partition function

Class Diary for Paper VIII (Solid State Physics) 3rd year

<u>Date</u>	Topics Taught
22/04/21	Inroduction about Solid State Physics, Concept
	of crystal, basis, lattice, unit cell, primitive cell,
	lattice parameter
23/04/21	Definition of Bravais lattice, different kinds of
	Bravais lattice, Co-ordination number, packing
	fraction
29/04/21	Packing fraction derivation for fcc, bcc, sc,
	Miller indices, derivation of Bragg's law,
30/04/21	Reciprocal lattice, Ewald's construction,
01/05/21	Laue's Equations,
04/05/21	Bonding in solids

Class Diary for 3rd year Physics General 7th paper

<u>Date</u>	Topics Taught
08-05-21	Heat engine, Thermal efficiency, Horse power,
	Brake horse power
10-05-21	Otto cycle, derivation of the efficiency
12-05-21	Diesel cycle, derivation of the efficiency,
	comparison between diesel and otto cycle
13-05-21	Conventional energy sources, Thermal power
	plant
15-05-21	Hydroelectric power plant, solar cell
	construction and working
18-05-21	Nonconventional sources of energy,
	Geothermal power plant

Class Diary for 1st SEM Physics General GE1

<u>Date</u>	Topics Taught	
13-02-21	SHM, Differential eq of SHM and its soln,	
	velocity, acceleration, K.E and PE	
18-02-21	Damped vibration, Differential eq of damped	
	vibration, Relaxation time, logarithmic	
	decrement	
19-02-21	Forced vibration, DE and its solution	
20-02-21	Vector algebra, Gradient, Divergence, Curl,	
	Some problems	
22-02-21	Gauss's divergence theorem, Stokes theorem,	
	Motion of particle in a central force field	
23-02-21	DE of central force, Conservation of angular	
	momentum, Newtons laws of gravitation	

Disserséable sunction: let f(z) és a function and êts derivalive is $f(z) = \lim_{\Delta z \to 0} \frac{f(z + \Delta z) - f(z)}{\Delta z}$, provided that the limit exist independent of the manner en which $\Delta z \to 0$. f(z) és called differentiable feenclion.

1. Show that $f(2) = 2^*$ is not a differentiable sunction.

Ans $f(z) = z^*$ $f(z) = \lim_{\Delta z \to 0} \frac{(z + \Delta z)^* - z^*}{\Delta z}$

 $= \underset{\Delta 2 \to 0}{\text{less}} \frac{(x + e^{\circ} + \Delta x + e^{\circ} \Delta y) - (x + e^{\circ} y)^*}{\Delta x + e^{\circ} \Delta y}$

= lim $x + \Delta x - e(y + \Delta y) - (x - ey)$ $\Delta z \rightarrow 0$ $\Delta x + e \Delta y$

= leon Arc - i Ars Arc - o Arc + i Ars

= $\lim_{\Delta x \to 0} \frac{\Delta x - 0}{\Delta x + 0}$ | $\lim_{\Delta x \to 0} \frac{0 - e^{\Delta x}}{0 + e^{\Delta x}}$

: The limit does not exist.

Analylic function: The differential function f(2) is analytic at the point z=20, if there exist a neighbourhood |2-20| (8 at all point of which f'(2) exist.

If f(z) = ce + ev where ce = ce(x, y)and v = v(x, y) is analytic ef a $\frac{\partial u}{\partial x} = \frac{\partial v}{\partial y}$ and $\frac{\partial u}{\partial y} = -\frac{\partial v}{\partial x}$

o du, dy, du, dy exist.

centinous

condilions @ . 6 are recessary condilions.

If the 2nd parte al deservatives are continuences; $\frac{\partial^2 u}{\partial x^2} + \frac{\partial^2 u}{\partial y^2} = 0$ $\Rightarrow \nabla^2 u = 0$ and $\frac{\partial^2 v}{\partial x^2} + \frac{\partial^2 v}{\partial y^2} = 0$

From condition to le and v

singular points: The point at which f(z) tails to be avalable os singular point.

Types: > 0 ésolaled singular point . @ poles. @ branch point @ essential @ removable. I solated singular point: > 2 = 20 és an ésolaled singular point of f(z) es we can send so such that 12-20! = S encloses no point other than 20. -(non as a real pool. poles : 2 = 2. és a pole of order 'n' of f(z) ef lin (z-20) $f(z) \neq 0$. I n=1, 20 es a simple pole. Branch poérst :- The sérguelas points of a multiple valued beenelier are the branch poerols. 2 lim $Re[2^2] + Im[2^2] = ?$ A limet does not exist. 4 Wheels is not analyted (5 pms = + - 1x - p) (8 Jest - 130) @

Drs lin Re[22] + Im[22] 20. $= \underset{x\to 0}{\text{lem}} \frac{x^2 - y^2 + 2xy}{x^2 + 2xye^2 - y^2}$ = line (-82) of calcolor had along An: col we can front 500 such 2 u = x + \f(x2 - y2) es a real part of a function f(2). What will be the conagenany part vi? B. The agreed as a second Bos que = gr => V= & + xx 0. B 2y + 9 -4 Which is not analylic? @ (x + en = 8)3(4-x2-y2+ 2xyi) @ (x+ in) (1-x-in)3 @(1-x+en)"(2+x+en)"

5 Which can not be a real part of an analyle'c function?

$$0 \ 3 \times 3 - 3 - 3^3$$

Ans
$$\frac{\partial^2}{\partial x^2}(x^2 g)$$
 and $\frac{\partial^2}{\partial g^2}(x^2 g)$

$$= 0$$

$$0. \text{ If } u = 2 \text{ if } , \frac{\partial^2 u}{\partial x^2} + \frac{\partial^2 u}{\partial y^2} \neq 0.$$

$$f(2) = \frac{2 \sin 2}{(2-\pi)^2}$$
, which is free?

 $f(2) = \frac{2 \sin 2}{(2 - \pi)^2}$ 20 "
lém $(2-\pi).f(2)$ = $\lim_{2\to\pi} \frac{2 \sin 2}{2-\pi}$ $2\to\pi$ = lim Sin2 + 2 Cos2 Ar. $= - T \neq 0$ °° 2 = IT és a sémple pole. :. © 2=∏ és a simple pole. I show that $\omega = 2^{\frac{1}{2}}$ e's meetigle. valued feerelien. It has also two branch priorls. Ans $\omega = 2^{\frac{1}{2}}$ = (r.e e0)/2 After the volation 2T es $\omega_1 = \sqrt{r} \cdot e^{\frac{2}{2}}(\theta + 2\pi)$ = 500. e e 6/2 e Te = - Tre e 18/2 Atter the ordation 4TT, he funct $e^{\frac{\theta}{2}}(\theta + 4\pi)$ $e^{\frac{\theta}{2}}(2\pi^{\frac{\theta}{2}})$ $\omega = 2^{1/2}$ és mæltigle valued. H has two branch privots.

& show that w= 2 has live branch points. 205 W= 2 = (reco) /5 = 2/5 ec/5 After the rotation $\theta = 2\pi$, the furch is $\omega_1 = r^{1/5} e^{i/5} (\theta + 2\pi) = r^{1/5} e^{i/6} e^{i/5}$ Attes the relation 0=41, the Sund e's ω2 = ω. e 4πe/s Affer the retalien $\theta = 6\pi$, the Scenet" is $\omega_3 = \omega e^{6\pi i s/5}$ Asser the votalian $0 = 8\pi$ and $0 = 10\pi$ the funct es $\omega_4 = \omega e$ and ws = we 27° : ω = 2 has fêre branches. I I fiz is analytee. 2 show that enr és multévalued funct and it has insinite no branches. Ans w= en 2 . 13 = sh(s) } 10000 so se en re After the rotation 2T, the Junet es $\omega_i = ln re^{i(\theta + 2\pi)}$ $= \omega + 2\pi i$ Aller the rotation 411, the funct is $\omega_2 = \ln re^{i(\theta + 4\pi)} = \ln re^{i\theta} + \ln e^{4\pi i}$ = w + 4112

and so on. It and so to fact world o. w = lore is multivalued and it has intinéte no branches. An 10 Caccely theorem: If f(2) is an analytic funct in a region R and on els boundary $c, \quad \oint f(2) d2 = 0$ # f(2) és analylée on the closed curves c, and co and in the region bet them, $\oint f(z) dz = \oint f(z) dz$ If f(2) es analylie on c, c, c, cs and en the negion bet from, f(z) dz = f(z) dz + f(z) dz +of(2) dz

is analytic in a negion R and its boundary C, $\frac{1}{(2-a)^{n+1}} = \frac{2\pi i}{d2^n} \frac{d^n}{d2^n} [f(2)]$

2=a és a point o inside. The closed curve C.

Laurent Serècs :> 2 = a és poènt enside tre closed

 $f(2) = a_0 + a_1(2-a) + a_2(2-a)^2 + \cdots$

 $+\frac{a_1}{(2-a)^2} + \frac{a_2}{(2-a)^2} + \frac{a_3}{(2-a)^3} + \cdots$

where, $an = \frac{1}{2\pi e} \oint \frac{f(2)}{(2-a)^{n+1}} = 0, \pm 1, \pm 2$

II $f(2) = \frac{2 \sin 2}{(2 - \pi)^2}$. Calculate $\oint f(2) d2$.

where: c is |z| = 1.

Ans The integrand has the pole of $2 = \pi$. The given circle does not enclose the pole. $3 + 2 = \pi$ of 4 + 2 = 0

 $\frac{12}{2} \oint \frac{e^2 \sin^2 x}{2^2} dx = \frac{9}{2}, \quad c = \frac{1}{2}$

the centre at the point (2,0).

c. C does not enclose the pole.

$$\oint_{c} \frac{e^2 \sin 2}{2^2} = 0$$

In Expand the Sunction $f(z) = \frac{e^{2z}}{(z-1)^3}$ around the point z=1

Ans lef, 2-1 = ue.

: $f(2) = \frac{e^{22}}{(2-1)^3} \Rightarrow f(ue) = \frac{e^{22}}{(2-1)^3}$

Now, $f(u) = \frac{e^2}{u^3} e^{2u}$

 $= \frac{e^2}{\omega^3} \left(1 + 2\omega + \frac{4\omega^2}{2!} + \frac{8\omega^3}{3!} + \frac{4\omega^4}{4!} \right)$

 $= e^{2} \left(\frac{1}{u^{3}} + \frac{2}{u^{2}} + \frac{4}{u^{2}!} + \frac{8}{3!} + \frac{16u}{4!} + \frac{32u^{2}}{5!} + \cdots \right)$

 $\frac{16e^{2}(2-1)}{4!} + \frac{32e^{2}}{5!} + \frac{4e^{2}}{(2-1)^{2}!} + \frac{8e^{2}}{3!} + \frac{16e^{2}}{4!}(2-1) + \frac{32e^{1}}{5!}(2-1)^{2} + \frac{32e^{1}}{5!}$

14 Expand $f(2) = (2-3) \sin \frac{1}{(2+2)}$ about the point 2 = -2 in Laurent series.

Dos let 2+2=u $\Rightarrow 2=u-2$

$$f(2) = (2-3)\sin(\frac{1}{2+2})$$

$$f(u) = (u-5)\sin(\frac{1}{4})$$

$$= (u-5)(\frac{1}{4} - \frac{1}{4}) + \frac{1}{4!}\sin(\frac{1}{4})$$

$$= [1-\frac{5}{4} - \frac{1}{3!}(\frac{1}{4^2} - \frac{1}{4^2}) + \frac{1}{5!}(\frac{1}{4^4} - \frac{1}{4^5})$$

$$= [1-\frac{5}{4} - \frac{1}{3!}(\frac{1}{4^2} - \frac{1}{4^2}) + \frac{1}{5!}(\frac{1}{4^4} - \frac{1}{4^5})$$

$$\therefore f(2) = 1 - \frac{5}{2+2} - \frac{1}{2!}[\frac{1}{2+2}]^2 - \frac{5}{(2+2)^3}] + \frac{1}{5!}[\frac{1}{2+2} - \frac{5}{2}] + \frac{1}{5!}[\frac{1}{2+2} - \frac{5}{2}] + \frac{1}{5!}[\frac{1}{2+2} - \frac{5}{2}] + \frac{1}{5!}[\frac{1}{2+2} - \frac{5}{2}] + \frac{1}{2!}[\frac{1}{2+2} - \frac{1}{2}] + \frac{1}{2!}[\frac{1}{$$

Online Class Details:

Paper Name: DC 5T

Semester: 3rd , 2020-2021

	T	Г	
Sl. No.	Date	Weblink	Duration
1	04.01.2021	https://meet.google.com/keg-jgcu-bxk	1 hr
2	06.01.2021	"	1 hr
3	11.01.2021	"	1 hr
4	15.01.2021	"	1 hr
5	18.01.2021	https://meet.google.com/ksz-xjzk-tzy	1 hr
6	22.01.2021	"	1 hr
7	27.01.2021	"	1 hr
8	29.01.2021	"	1 hr
9	03.02.2021	"	1 hr
10	05.02.2021	"	1 hr
11	08.02.2021	https://meet.google.com/cpj-yfmj-hij	1 hr
12	12.02.2021	"	1 hr
13	17.02.2021	"	1 hr
14	19.02.2021	"	1 hr
15	26.02.2021	"	1 hr

16	05.03.2021	https://meet.google.com/keg-jgcu-bxk	1 hr
17	08.03.2021	"	1 hr
18	10.03.2021	"	1 hr
19	20.03.2021	Internal exam	1 hr

Some Snapshots of Online Class:

Some Snapshots of Study materials:

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ADD OTHERS

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Share joining information

IN CALL



sadhan biswas (You)



Abhishek Saha



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Afia Anjum



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Anup Sarkar



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Najir Hossain



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SK REJAUL



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Sneha Nag



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Sougata Ray

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Afia Anjum joined





8.4 SOLUTION ABOUT SINGULAR POINTS

There are two types of singular points. (1) Regular singular point, (2) Irregular singular points.

Definition. Consider the equation

(1)
$$y'' + P_1(x)y' + P_2(x)y = 0$$
 ...(i)

and assume that at least one of the functions P_1 and P_2 is not analytic $(P_1 = \infty \text{ or } P_2 = \infty)$ at x = a, so that x = a is a singular point of (i)

Consider

$$Q_1(x) = (x-a)P_1(x)$$
, $Q_2(x) = (x-a)^2 P_0(x)$

If Q_1 and Q_2 are analytic (not ∞) at x = a, then x = a is called a *regular singular point*, other irregular.

Example 4. Find regular singular points of the defferential equation.

$$2x^{2} \frac{d^{2}y}{dx^{2}} + 3x \frac{dy}{dx} + (x^{2} - 4) y = 0 \qquad ... (1)$$
Solution.
$$\frac{d^{2}y}{dx^{2}} + \frac{3}{2x} \frac{dy}{dx} + \frac{x^{2} - 4}{2x^{2}} y = 0$$

$$P_{1} = \frac{3}{2x} \text{ and } P_{2} = \frac{x^{2} - 4}{2x^{2}}$$

$$Q_{1} = x \cdot P_{1} = x \left(\frac{3}{2x}\right) = \frac{3}{2}, \qquad Q_{2} = x^{2}P_{2} = x^{2} \cdot \frac{x^{2} - 4}{2x^{2}} = \frac{1}{2}(x^{2} - 4)$$
Given the Problem 1.10.

Since both P_1 and P_2 are not analytic $(P_1 = \infty, P_2 = \infty)$ at x = 0 therefore x = 0 is a singular point of (1). Moreover both Q_1 and Q_2 are analytic $(Q_1 \neq \infty, Q_2 \neq \infty)$ at x = 0. Hence x = 0 is a regular singular point of (1).

Example 5. Find regular singular points of the differential equation.

$$x^{2}(x-2)^{2}y'' + 2(x-2)y' + (x+3)y = 0$$
 ... (1)

Solution.
$$P_1 = \frac{2(x-2)}{x^2(x-2)^2} = \frac{2}{x^2(x-2)}$$
 and $P_2 = \frac{x+3}{x^2(x-2)^2}$

(i) At
$$x = 0$$
 $Q_1 = x \cdot P_1 = \frac{2}{x(x-2)}$

$$Q_2 = x^2 \cdot P_2 = x^2 \cdot \frac{(x+3)}{x^2(x-2)^2} = \frac{x+3}{(x-2)^2}$$
Since Q_1 is not analytic $(Q_1 = \infty)$ at $x = 0$

Since Q_1 is not analytic $(Q_1 = \infty)$ at x = 0, so x = 0 is an irregular singular point

$$Q_1 = (x-2)P_1 = (x-2) \cdot \frac{2(x-2)}{x^2(x-2)^2} = \frac{2}{x^2}$$

$$Q_2 = (x-2)^2 P_2 = (x-2)^2 \frac{(x+3)}{x^2(x-2)^2} = \frac{x+3}{x^2}$$
oth Q_1 and Q_2 are small Q_3 .

Since both Q_1 and Q_2 are analytic $(Q_1 \neq \infty, Q_2 \neq \infty)$ at x = 2, so x = 2 is a regular singular point.

The solution of a differential equation about a regular singular point can be obtained.

The cases of irregular singular points are beyond the scope of this book.

FROBENIUS METHOD: If x = 0 is a regular singularity of the equation. 8.5

$$\frac{d^2y}{dx^2} + P_1(x)\frac{dy}{dx} + P_2(x)y = 0$$
 ... (1) $[P(0) = 0]$

Then the series solution is $y = x^m (a_0 + a_1 x + a_2 x^2 + a_3 x^3 + ...) = \sum_{k=0}^{\infty} a_k x^{m+k}$

The value of m will be determined by substituting the expressions for y, $\frac{dy}{dx}$, $\frac{d^2y}{dx^2}$ in (1), we get the identity.

On equating the coefficient of lowest power of x in the identity to zero, a quadratic equation

in m (indicial equation) is obtained.

Thus, we will get two values of m. The series solution of (1) will depend on the nature of the roots of the indicial equation.

(i) Case 1: When roots m_1 , m_2 are distinct and not differing by an integer $m_1 - m_2 \neq 0$ or a positive integer. e.g., $m_1 = \frac{1}{2}$, $m_2 = 2$.

 $y = c_1(y)_{m_1} + c_2(y)_{m_2}$ The complete solution is

(ii) Case 2: When roots m_p , m_q are equal i.e. $m_1 = m_2$

$$y = c_1(y)_{m_1} + c_2 \left(\frac{\partial y}{\partial m}\right)_{m_1}$$

(iii) Case 3: When roots m_1 , m_2 are distinct and differ by an integer $(m_1 < m_2)$

$$e.g., m_1 = \frac{3}{2}, m_2 = \frac{5}{2} \text{ or } m_1 = 2, m_2 = 4.$$

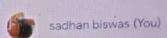
If some of the coefficients of y series become infinite when $m = m_1$, to overcome this difficulty, replace a_0 by b_0 $(m-m_1)$. We get a solution which is only a constant multiple of the first solution.

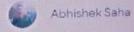
Complete solution is $y = c_1(y)_{m_1} + c_2 \left(\frac{\partial y}{\partial m}\right)_m$

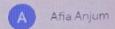
(iv) Case 4: Roots are distinct and differing by an integer, making some coefficient indeterminate

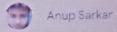


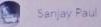
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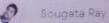














2 ma insternal, phy. Horrs. 3X4=12

- 1. $f(x) = x^2 + x$. $-\pi \langle x \langle \pi \rangle$.

 Defermine the Fourier coefficient a_0 .
- 2. Wrête Hermête's eq. Determêne Hermête polynoméal $H_2(x)$.
- 3. Set-up Hamiltonian for simple pendulum and solve, Hamilton's canonical eq.
- 4. Evaluate $\int \left(\frac{\chi^3}{1-\chi^3}\right)^2 dx$.

Online Class Details:

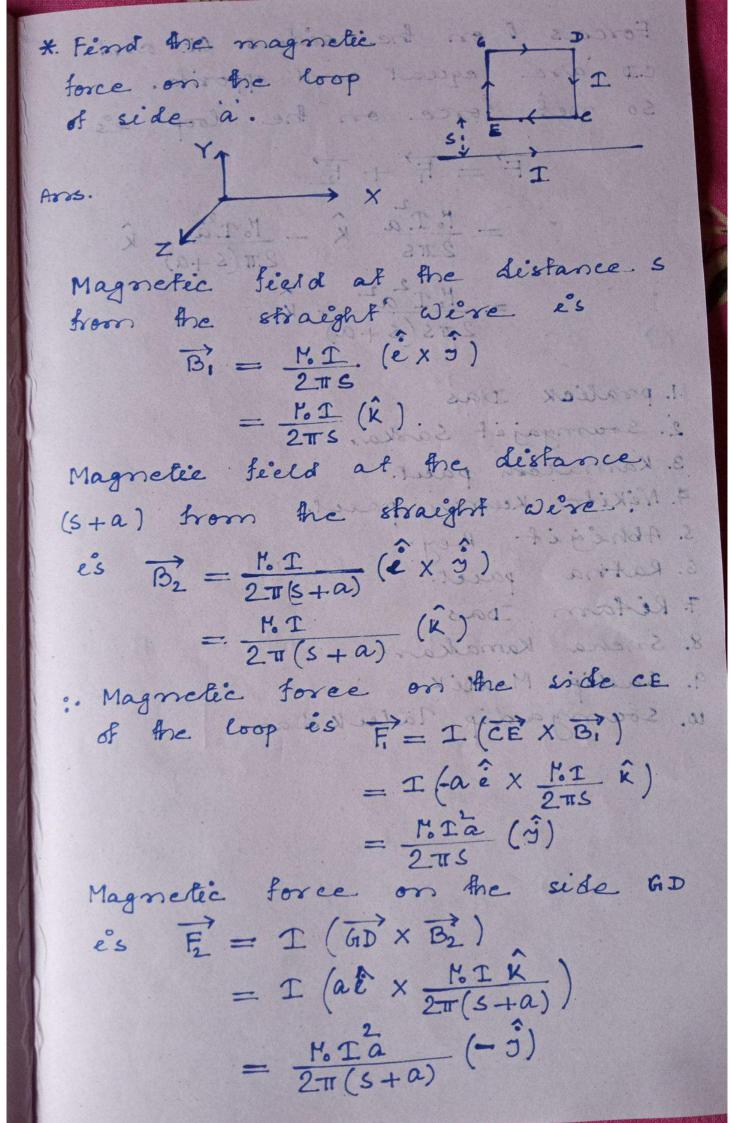
Paper Name: DC 3T

Semester: 2nd , 2020-2021

Sl. No.	Date	Weblink	Duration
1	05.04.2021	https://meet.google.com/ogq-mkoz-ptd	1 hr
2	06.04.2021	https://meet.google.com/vqd-sggc-vmu	1 hr
3	07.04.2021	https://meet.google.com/jhx-mcip-zti	1 hr
4	09.04.2021	https://meet.google.com/qhe-akpa-eow	1 hr
5	10.04.2021	https://meet.google.com/kyx-wgzo-wwb	1 hr
6	20.04.2021	https://meet.google.com/byb-bqyc-dya	1 hr
7	23.04.2021	https://meet.google.com/mfo-xzre-bnd	1 hr
8	21.05.2021	https://meet.google.com/ovf-rdaw-edy	1 hr
9	25.05.2021	https://meet.google.com/ikm-dtqi-rvr	1 hr
10	27.05.2021	https://meet.google.com/dnk-unmq-otg	1 hr

Some Snapshots of Online Class: It has been attatched

Some Snapshots of Study materials: It has been attatched



20.04.21

DC - 3T. Horrs.

Time 12:30 PM.

Magnetic field at the point P due to the

loop es

 $\vec{B} = \oint \frac{M \cdot \hat{e}}{4\pi} \frac{d\vec{e} \times \vec{r}}{r^3}$

= \$\frac{100}{411} = \frac{100}{411} = \frac{100}{411} = \frac{100}{100} = \frac{100

where $\overrightarrow{\nabla}(/\gamma) = \overrightarrow{\nabla}(\overline{\gamma}^1)$ $= -1. \overrightarrow{\gamma}^{1-2} \overrightarrow{\nabla}$

 $=-\frac{70}{23}$

Also $\overrightarrow{\nabla}_{x}(\varnothing\overrightarrow{c}) = (\overrightarrow{\nabla}_{\varnothing}) \times \overrightarrow{c} + \varnothing(\overrightarrow{\nabla}_{x}\overrightarrow{c})$ $\Rightarrow \overrightarrow{\nabla}_{\varnothing} \times \overrightarrow{c} = \overrightarrow{\nabla}_{x}(\varnothing\overrightarrow{c}) - \varnothing(\overrightarrow{\nabla}_{x}\overrightarrow{c})$

3. B = \$ \frac{\mathcal{H}}{4\pi} \frac{\pi}{4\pi} \frac

where d $\overrightarrow{\nabla} \times d\overrightarrow{l} = 0$

 $\vec{B} = \oint \frac{\mu_0 \hat{e}}{4\pi r} \vec{\nabla} \times (\vec{a}\vec{e}) \qquad \vec{E} = -\vec{\nabla}_0$ $= \vec{\nabla} \times \oint \frac{\mu_0 \hat{e}}{4\pi r} d\vec{r}$ $= \vec{\nabla} \times \vec{A}$

: Veetor potential A = \$ 1. i di'
4 Tr

: Due to the solemoid magnétic field at the point P. 18'508: SI .sust B = JH-02 II la biest siterageM 1 Me N ding de sit 9 forsog $= \frac{\text{Moen}(\cos\theta_1 + \cos\theta_2)}{2L}$ B'es along the aris of stemoe'd. * Herosholtz coeling () = 22 anis. 1. pratik Das 2. Sudip Malle K 3. Sournyaget parif. Saskar 4. Socionyadip Takekdar S. Abherich stoy: (Sh) XV 300 0 = 50 05 6. Rationa spaces 7. Snehashish lala x 5 b . snew 8. Ne King Kr. paul. XV 304) := 5 .: = TX & Middle TAX THE : Veeter potential = 6 15 di 2nd Sens DC-3T phy. Hons.

Date: 10.04.21

Terne: 12:15 pm

B' due to solemoid:
We consider a
solemoid of
length L and Axis - - E
member of turns
N, carrying the

current é. Radius et solemos d e's R.
Also we consider an element
of length de at the distance 2 from
one ent of the solemos d.

" Magnetec feeld at the poent p due to the element of length de es do = $\frac{\text{H.e.}}{2} \frac{\text{R}^2 \times \frac{\text{N}}{\text{L}} \times \text{de}}{[\text{R}^2 + (2_0 - 2)^2]^{3/2}}$ Now, fan $\theta = \frac{\text{R}}{(2_0 - 2)}$

 $\Rightarrow (2.-2) = R \cos \theta$ $\Rightarrow -\frac{d2}{d\theta} = -R \csc^2 \theta$ $\therefore d2 = R \csc^2 \theta d\theta$

:. $dB = \frac{\text{MoeN}}{2L} \times \frac{\text{R}^2 \times \text{R Cosec}^2 + d\theta}{[\text{R}^2 + \text{R}^2 \cdot \text{Cot}^2 \theta]^{3/2}}$ $= \frac{\text{MoeN}}{2L} \times \frac{\text{R}^3 \cdot \text{Cosec}^2 + d\theta}{(\text{R}^2 \cdot \text{Cosec}^2 + \theta)^{3/2}}$ $= \frac{\text{MoeN}}{2L} \times \frac{\text{Rsin}}{2L} + \frac{\text{Rsin}}{2$

> (2. - 2) = R Cofe.

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- 3. praté K Das. Masses set la bors set
- 4. Sudip Malle K
- s. Ratna pacet.
- 6. Sneha Karmakar 7. Ne°Ke°ta pacel
- 8. Abherjet Roy.

A B due to charged spinning dise. we consider a charged rotating dise of radices R and r P sussaie charge dessity o, and angular relocety w. Now, consider a concentrée ring of vadeces or and theckness dr : Charge on the ring is 2πr. dr x 0 : Elcetrec current through the reng es 2000 år $\left(\frac{2\pi}{\omega}\right)$ = orwar. : Magnetic field at the point I dee to the ving is $dB = \frac{1.670000}{2} \times \frac{8^2}{(8+2^2)^{3/2}}$ ¿. Magnetic field at the point P due to the rotating disc es $B = \int \frac{1000}{2} \times \frac{3^2}{(3+2)^3/2} \times \frac{3^2}{2}$ let, 8+ 2= 2" > 2 rdr = 22 dz 2 JR+ x-

2md Sem DC3T phy. Hons.

Date: 09.04.21

Time: 11 AM.

B duc to current carrying straight wire:

Magnetic field de due to the elementary length de es given by do = Toe x deline

Now & = tang

 $\Rightarrow l = r fang$

=> dl = r. See s. ds

Also, $\frac{x}{x} = Seege$ > x= x2 sees

and 0+ 8 + 90° = 180° ⇒ Ø + Ø = 90

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=> dino = Cosp

:. dB = Moé x x Secodo. Goso Tr. Secodo. Goso

= 4 mm los p de

: · B = Hoe J cosp de

= Me (ding2 + ding)

 $\vec{B} = \frac{1.\hat{e}}{4\pi r} \left(\sin \beta_1 + \sin \beta_2 \right) \left(\hat{\sigma} \times \hat{e} \right)$ = 100 (Sing) + ding2) (- k)





About this call

People

Information

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3 Mysterious Bloggers



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Anirban Ray



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kamalesh #mixed up



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nikita kumar



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Pratick Das



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RATNA PAUL



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Sneha Karmakar

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Soumyadip Talukdar

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Soumyajit Sarkar

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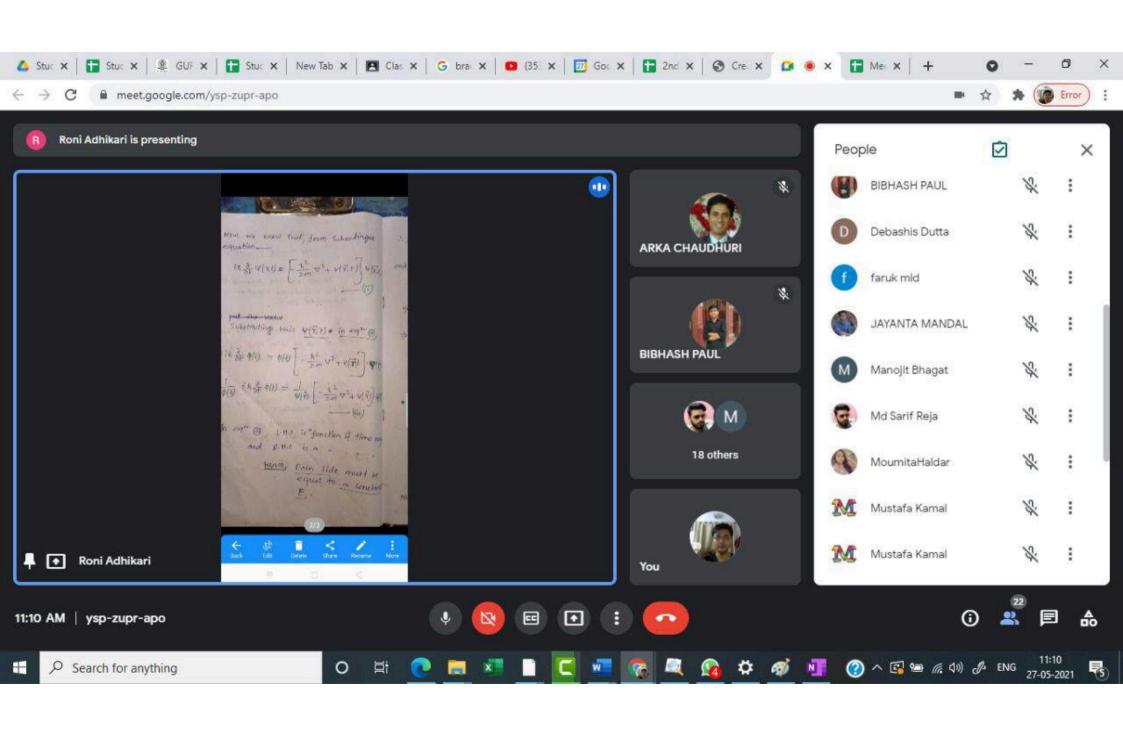
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Sudip Mallik



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About this call

People

Information

ADD OTHERS



Share joining information

IN CALL



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ABHIJIT ROY



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nikita kumar



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Pratick Das



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RATNA PAUL



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Ritam Das



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Sneha Karmakar

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Soumyadip Talukdar

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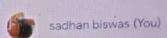
Sudip Mallik

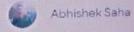
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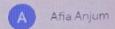
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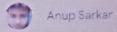


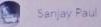
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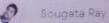
















CLASS DIARY NAME OF TEACHER: SADHAN BISWAS

DEPARTMENT : PHYSICS SESSION : 2020-2021

B.Sc Part I HONOURS ,SEM II Total class: 13

SI No	Date	Topic	No of class	
1	05.04.2021	Discussion of source of magnetic field, magnetic induction vector B and	1	
		magnetic flux and Biot-Savart's law.		
2	06.04.2021	Application of Biot-Savart law for straight current carrying wire and current	t 1	
		carrying circular loop.		
3	07.04.2021	Application of Biot-Savart law for uniformly charged rotating circular disc	1	
		and solenoid		
4	09.04.2021	Discussion of Ampere's circuital law and its application for long solenoid	1	
		and toroid , differential form of Ampere's circuital law		
5	10.04.2021	Discussion of Lorentz force, force on a current carrying wire and torque on	1	
		a current carrying loop in external magnetic field		
6	12.04.2021	Calculation of force between two parallel current carrying wires,	1	
		equivalence between current loop and magnetic dipole		
7	16.04.2021	Discussion of magnetic scalar potential and vector potential, calculation of	1	
		magnetic vector potential in simple case		
8	17.04.2021	Discussion of Helmholtz coil and moving coil galvanometer	1	
9	23.04.2021	Solve the Numerical problems of magnetic field	1	
10	24.04.2021	Discussion of electromagnetic induction , Faraday's law and Lenz's law,	1	
		differential form of Faraday's law		
11	21.05.2021	Calculation of induced emf in rotating coil and moving conductor in	1	
		external magnetic field		
12	25.05.2021	Discussion of self induction and mutual induction, equivalent inductance of	1	
		series combination and parallel combination		
13	27.05.2021	Solve the Numerical problems of magnetic induction.	1	



CLASS DIARY NAME OF TEACHER: SADHAN BISWAS

DEPARTMENT : PHYSICS SESSION : 2020-2021

B.Sc Part III HONOURS Total no of class: 22

SI	Date	Topic	No of class
No			
1	03.12.2020	Discussion of Maxwell's equations in electromagnetic theory and their significances	1
2	04.12.2020	Derivation of wave equation for electromagnetic field and its solution in vacuum	1
3	10.12.2020	Discussion of the transverse nature of the fields, relation between electric field E and magnetic field B	1
4	11.12.2020	Derivation of wave equation for electromagnetic field and its solution in dielectric medium	1
5	17.12.2020	Explanation of poynting vector, energy density and their relation, proof of pointing thorem	1
6	18.12.2020	Discussion of electromagnetic waves in conducting medium, phase lag between electric and magnetic fields	1
7	04.02.2021	Discussion of exponential damping and skin depth, electrical and magnetic energy density	2
8	05.02.2021	Application of Maxwell's equations to solve some different types of numerical problems	1
9	11.02.2021	Discussion of dispersion, theoretical discussion of Lorentz theory of dispersion	1
10	12.02.2021	Discussion of normal dispersion and anomalous dispersion and Cauchy's formulae	1
11	18.02.2021	Explanation of scattering of radiation by bound charge, discussion of Rayleigh scattering	1
12	19.02.2021	Explanation of the colour of sky and absorption	1
13	04.03.2021	Explanation of polarisation, different types of polarisation, production of polarised light by reflection and refraction	1
14	05.03.2021	Discussion of Optic axis, principal section ,principal plane and double refraction in crystals	1
15	18.03.2021	Explanation of application of Nicol prism as polariser and analyser, parallel and crossed Nicols	1
16	19.03.2021	Discussion of Malus's law, Huygen's construction of wave surfaces in uniaxial crystals, polaroids	1
17	03.05.2021	Discussion of Retardation plates, detection and analysis of polarised light by using Nicol prism and retardation plate	1
18	04.05.2021	Discussion of Fresnel explanation of optical activity, discussion of polarimeter	1
19	06.05.2021	Discussion of temporal and special coherence, absorption and spontaneous emission of radiation ,population inversion	2
20	07.05.2021	Einstein coefficients A and B and their relation	1



CLASS DIARY NAME OF TEACHER: SADHAN BISWAS

DEPARTMENT: PHYSICS SESSION: 2020-2021

B.Sc: HONOURS, SEM III Total no of class: 18

SI No	Date	Topic	No of class
1	04.01.2021	Mathematically explain Frobenius method and special functions, Singular points of second order linear differential equation	1
2	06.01.2021	Distinguish between the regular singular point and irregular singular point of a given equation	1
3	08.01.2021	Discussion of Legendre equation and polynomials, express a function in terms of legendre polynomials	1
4	11.01.2021	Discussion of generating function and recurrence relation between the legendre polynomials	1
5	18.01.2021	Discussion of Hermite equation and hermite polynomials and their relations	1
6	22.01.2021	Discussion of Bessel equation , $J_0(x)$ and $J_1(x)$ and orthogonality, Laguerre equation	1
8	03.02.2021	Introduction to variational calculus in physics, Derivation of Euler's equation of motion	1
9	05.02.2021	Lagrangian formulation for simple pendulum , spherical pendulum and harmonic oscillator	1
10	08.02.2021	Discussion of cyclic coordinates and corresponding conservation law	1
11	12.02.2021	Hamiltonian formulation and Hamiltons canonical equations	1
12	17.02.2021	Application of Hamiltons canonical equations to Simple pendulum, compound pendulum, linear harmonic oscillator	
13	22.02.2021	Application of Hamiltons canonical equations to spherical pendulum, a body in central force field	1
14	24.02.2021	Verification of Canonical transformation , definition of poisson bracket and its properties	
15	03.03.2021	Using separation of variables method solve the Laplace's equation in problems of rectangular, cylindrical symmetry.	1
16	08.03.2021	Using separation of variables method solve the Laplace's equation in problems of spherical symmetry.	1
17	20.03.2021	Class test of marks 24	2

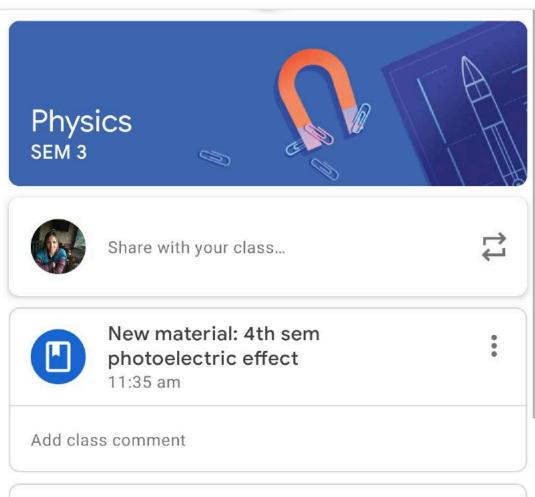














New material: photoelectric effect sem 4

11:29 am

Add class comment



New assignment: B.Sc Physics Examination Semester-III

31 Mar

2 class comments



Add class comment



New material: photoelectric effect sem 4

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11:29 am

Add class comment



New assignment: B.Sc Physics Examination Semester-III

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31 Mar

2 class comments



New material: Platinum resistance experiment vedio 3

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28 Mar

Add class comment



New material: Platinum resistance experiment vedio 2

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28 Mar

Add class comment



New material: Platinum resistance experiment vedio 1

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28 Mar

Add class comment











New material: Thermal conductivity of glass in form of t...

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27 Mar

Add class comment



New material: Thermal conductivity of a bad conductor

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23 Mar

Add class comment



New material: To determine thermal conductivity of a bad co...

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23 Mar

Add class comment



New material: Problems

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12 Jan (Edited 12 Jan)

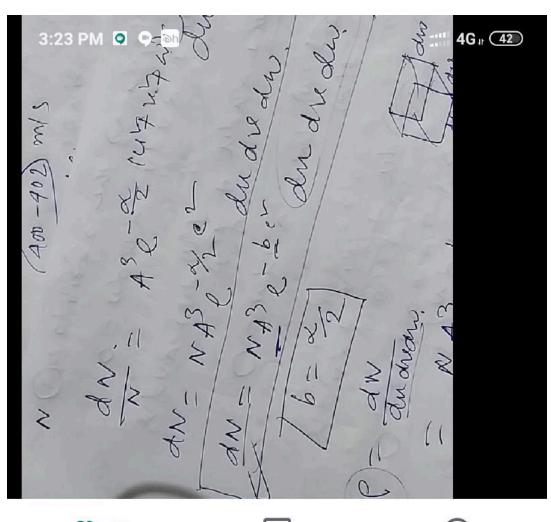
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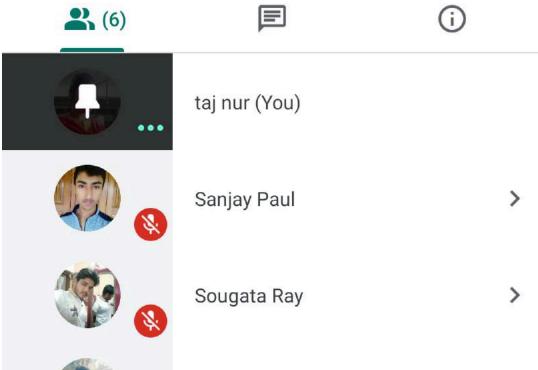


New material: Gauss's theorem

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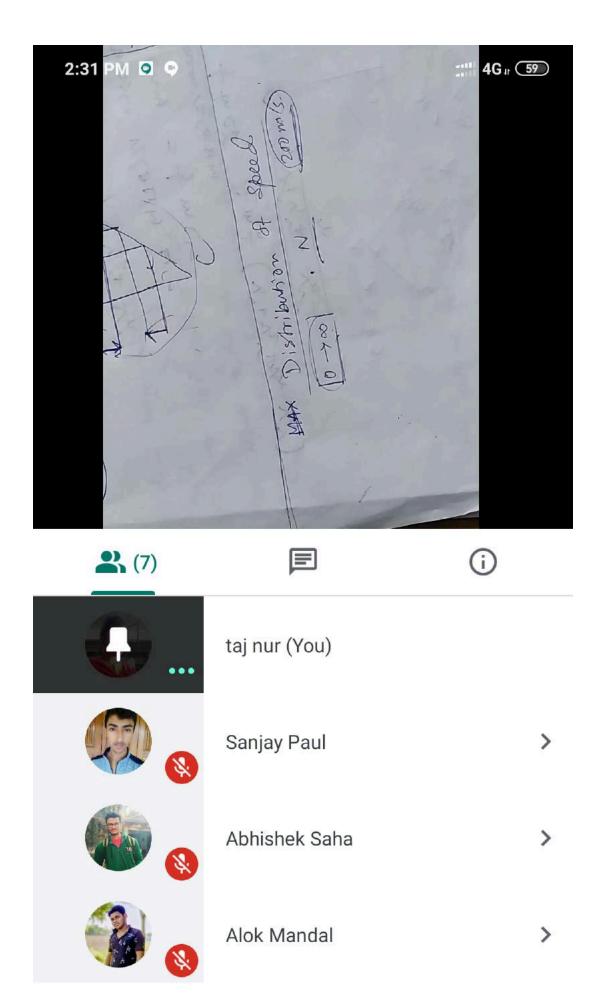
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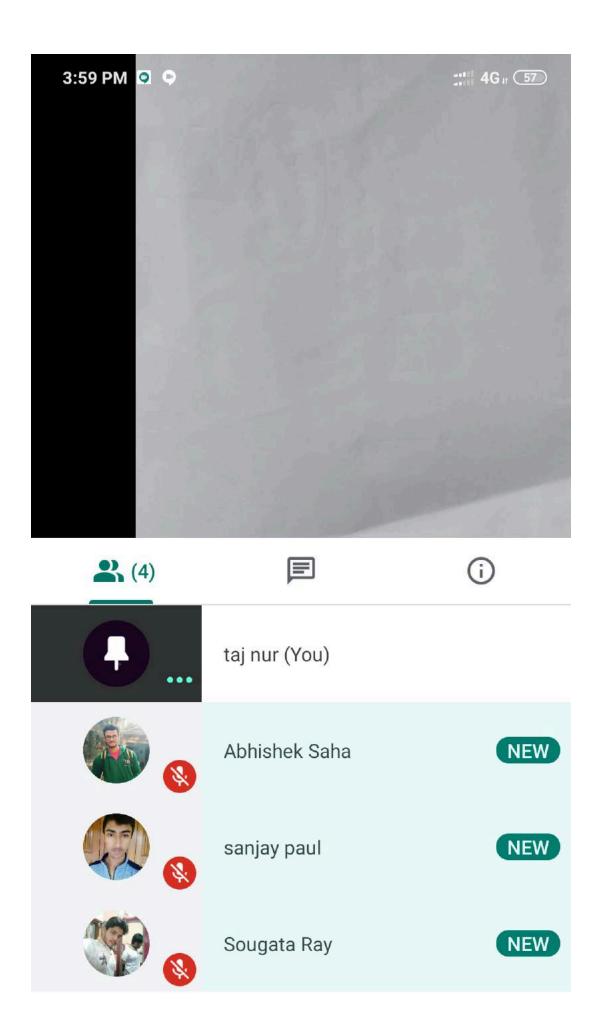


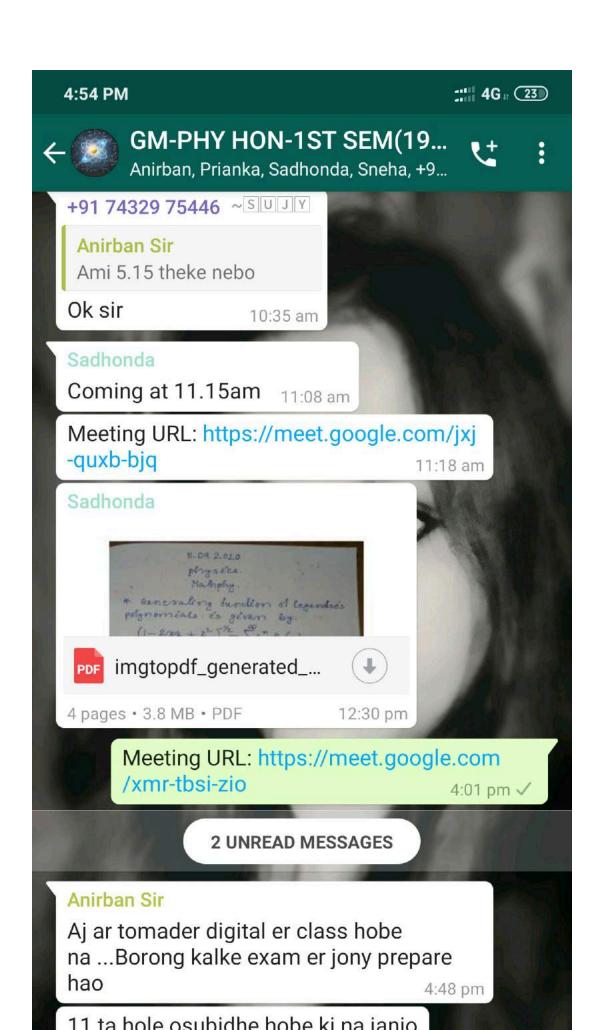


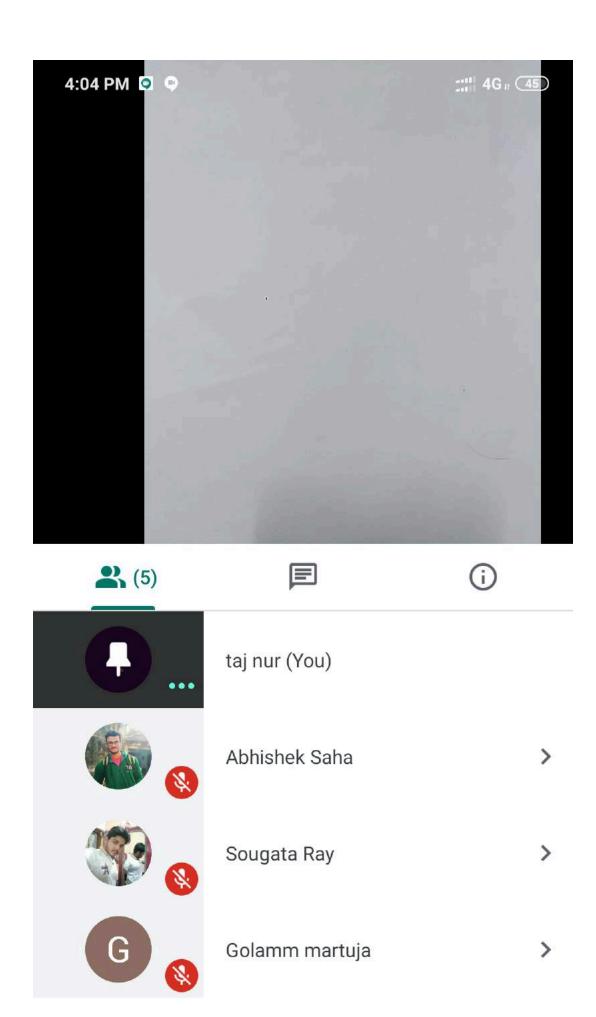
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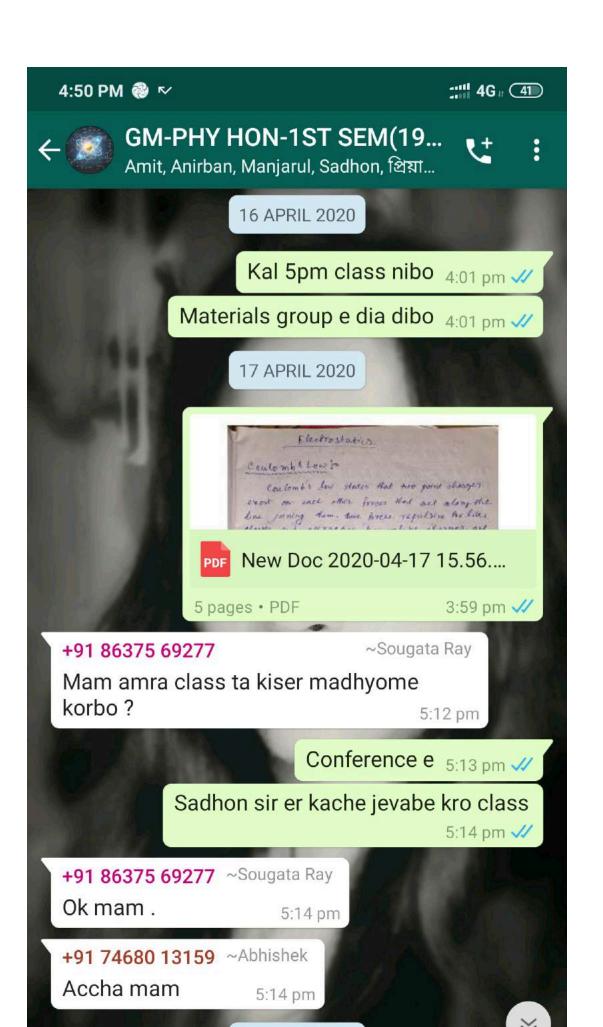
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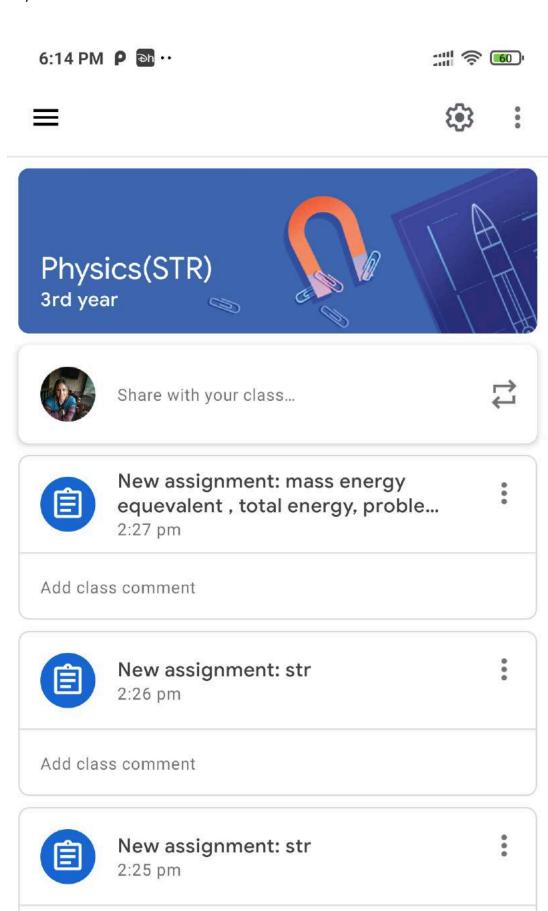


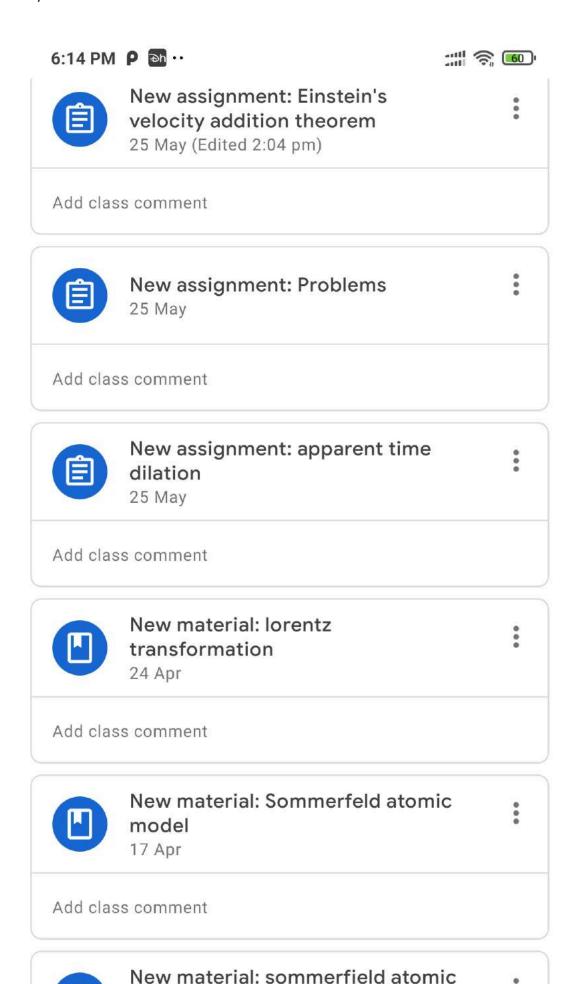


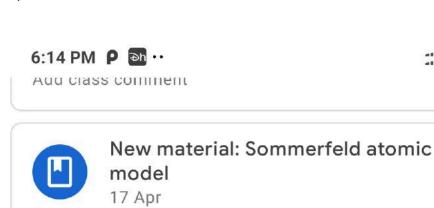




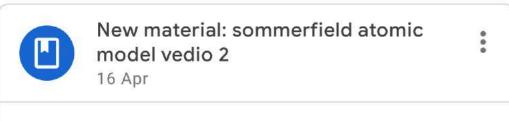
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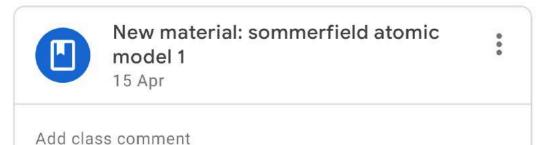


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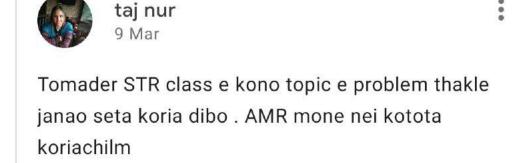


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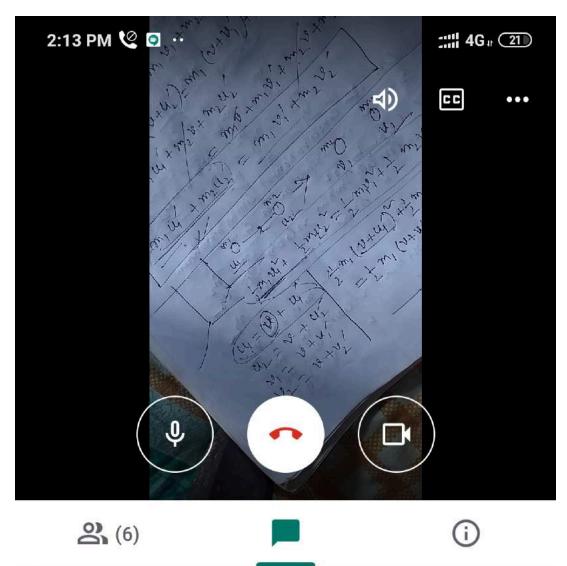
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3 class comments



Roni Adhikari 1 min

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Ok mam

Suamita roy 1 min

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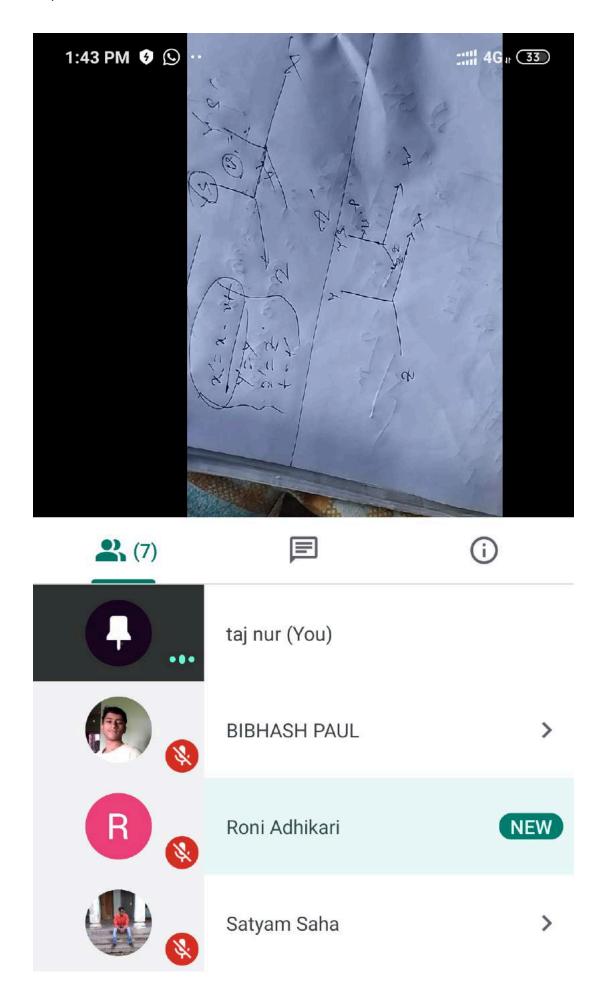
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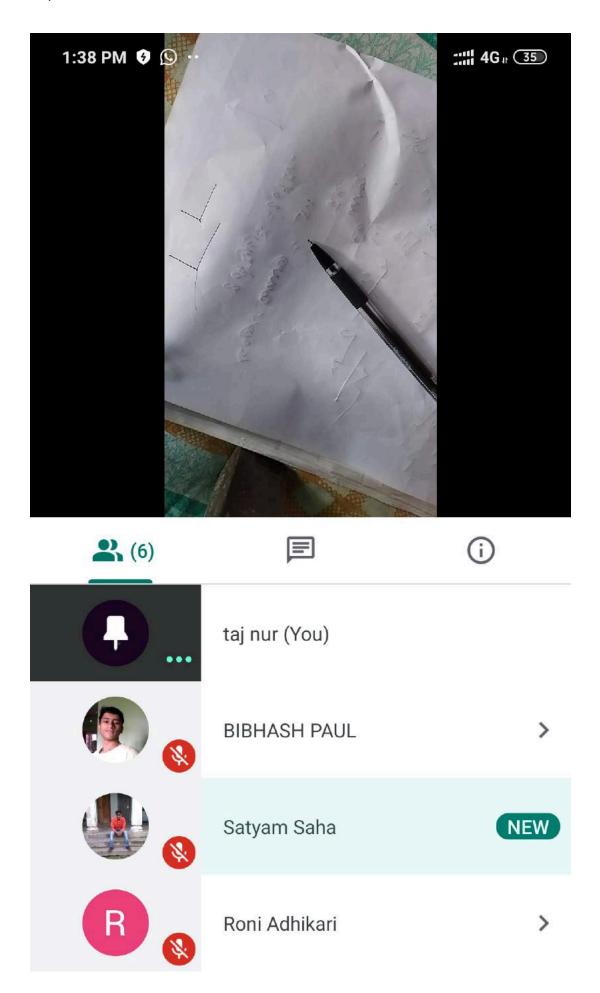
Satyam Saha 1 min

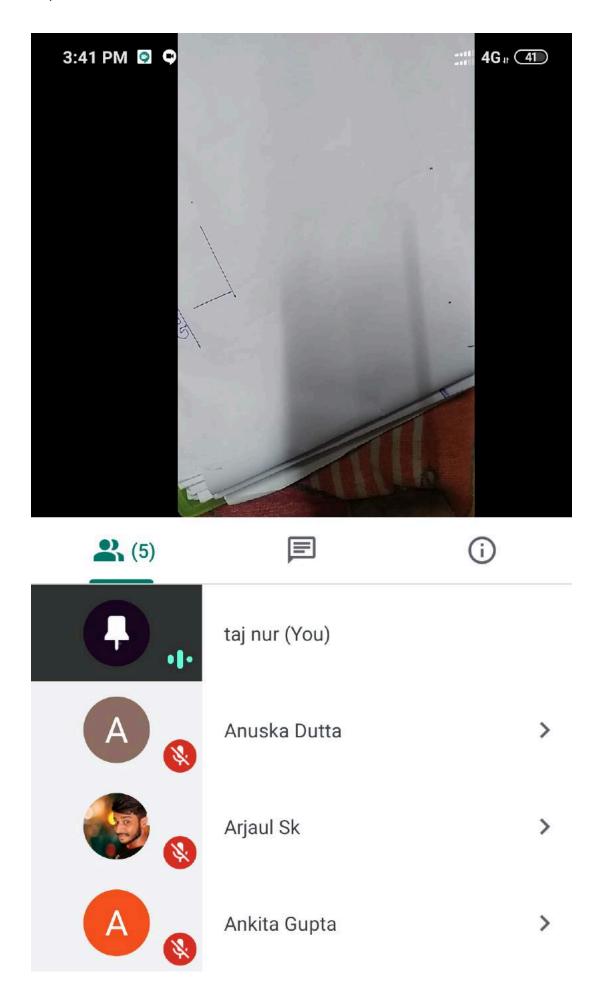
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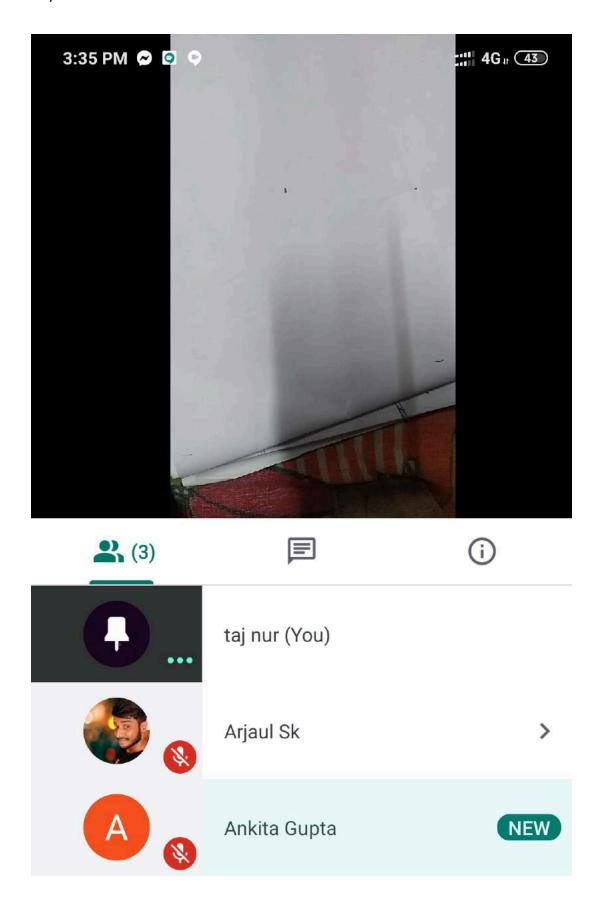
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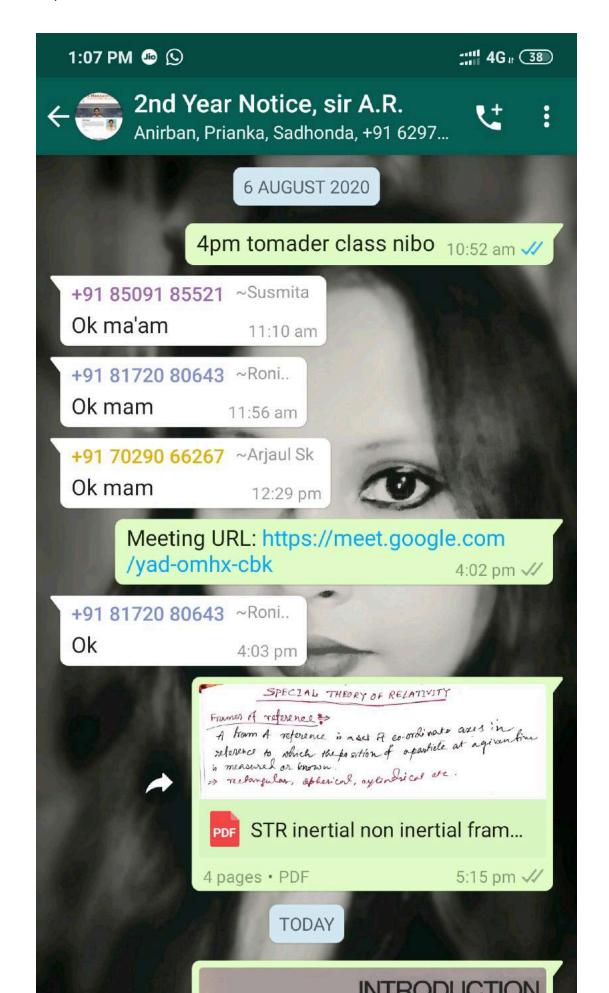
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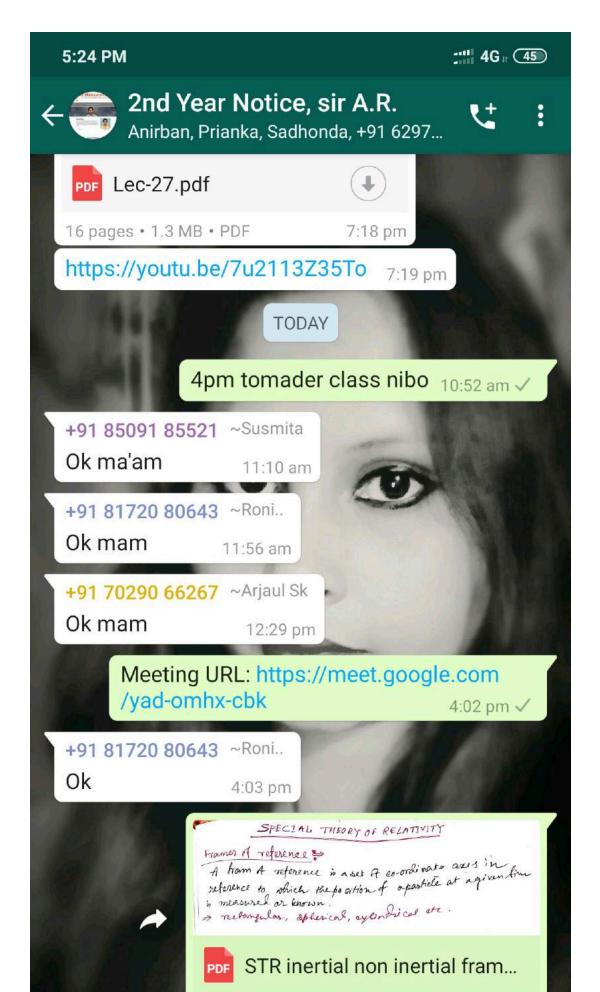


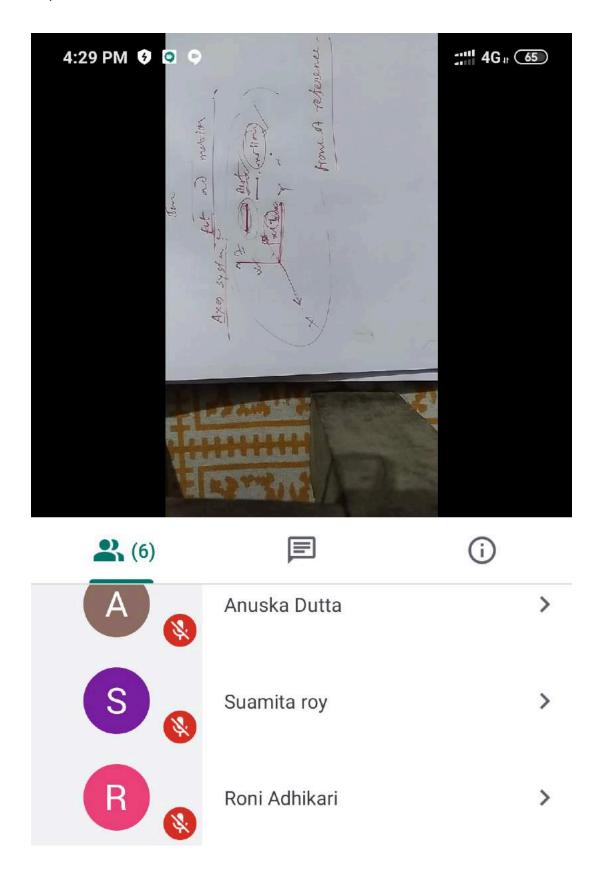




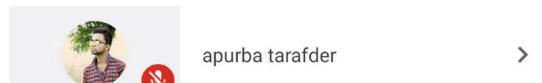


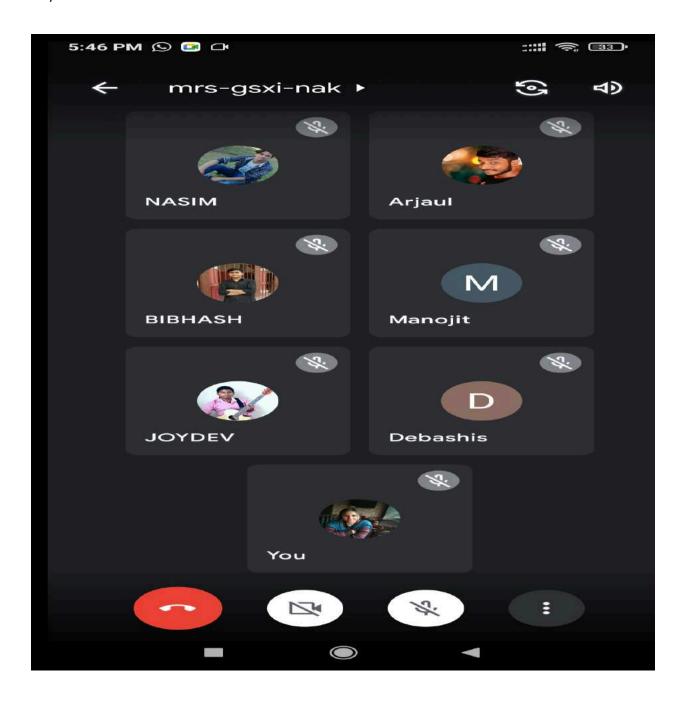






Others in the meeting (2)





4:14 PM 📼 P

Stream

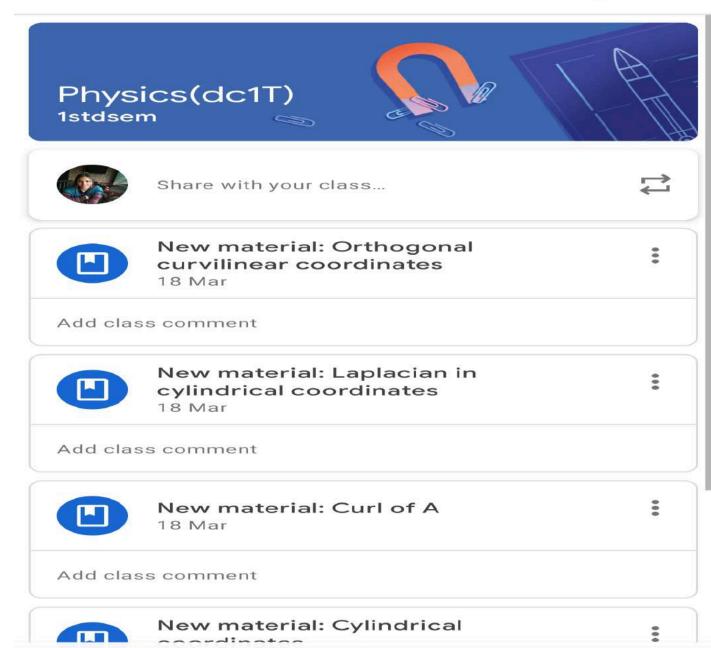






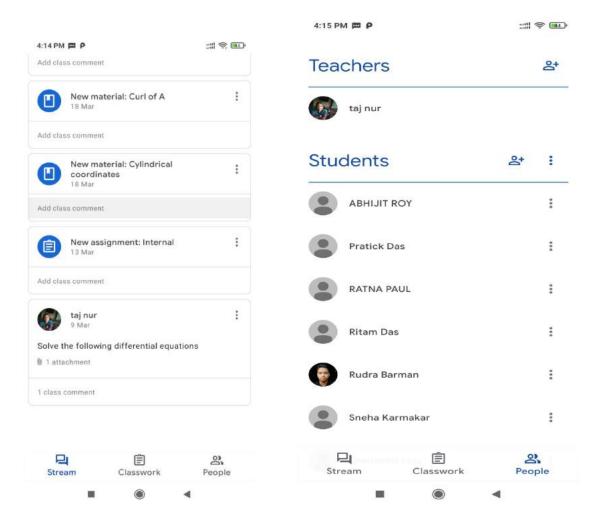
People



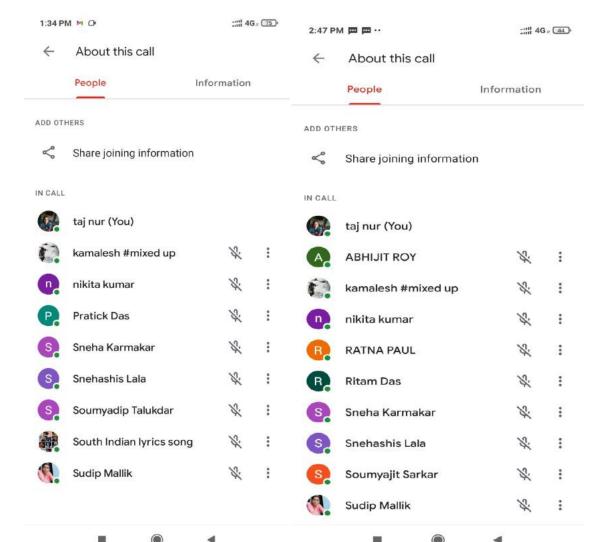




Classwork



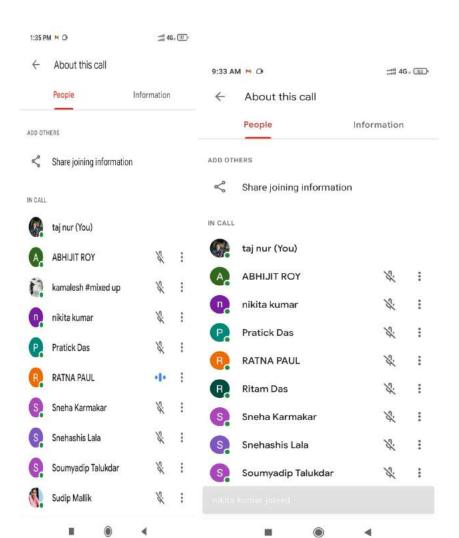


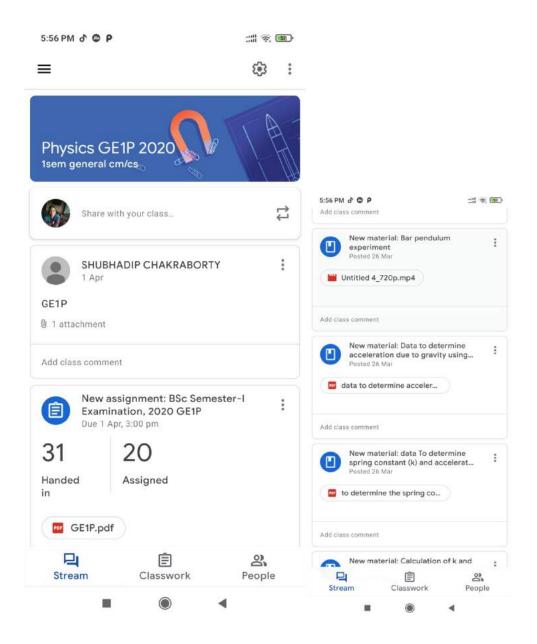


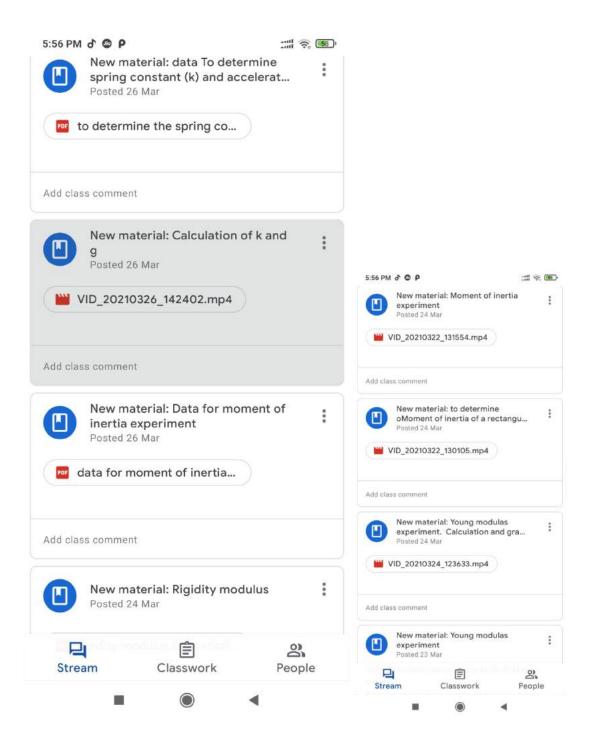
10:02 AM ⋈ □ ::::: 4G, 38)

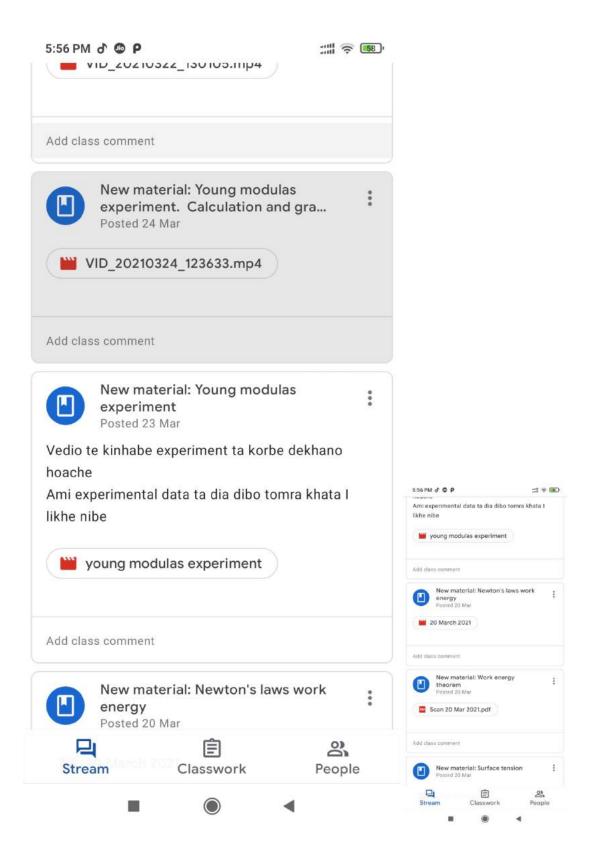
← About this call

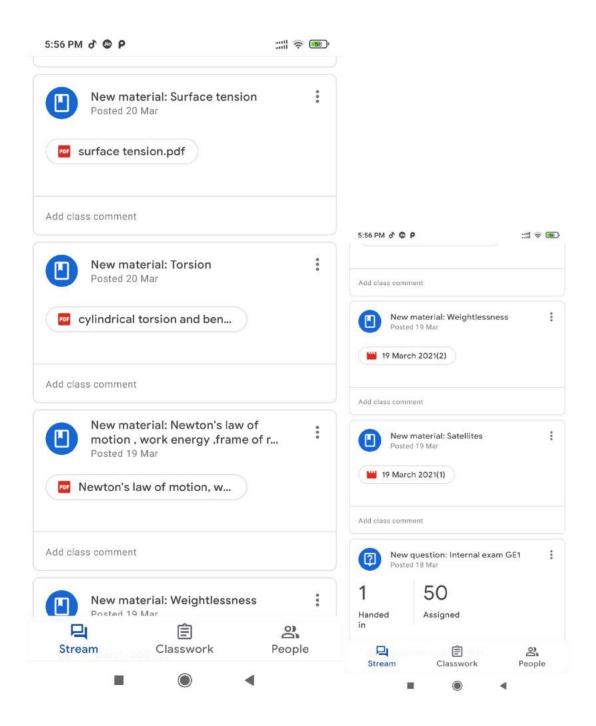
.01 97164	People	Information	
	taj nur (You)		
A	ADITI ROY	<i>₹</i> :	
A	Asit Mandal	<i>%</i> :	
4	Gourab Haldar	% :	
N	Nasiul Sk	<i>₹</i> :	
N	Nibedita Roy	<i>%</i> :	
N	Nisha Das	<i>₹</i> :	
	Purobi Rajbanshi	<i>₹</i> :	
4.	Ratna Gupta	<i>%</i> :	
	Sayan Saha	<i>₹</i> :	
	Shivam Das	% :	
S	SUJATA MANDAL	* :	
0	Sujata Sarkar	<i>%</i> :	

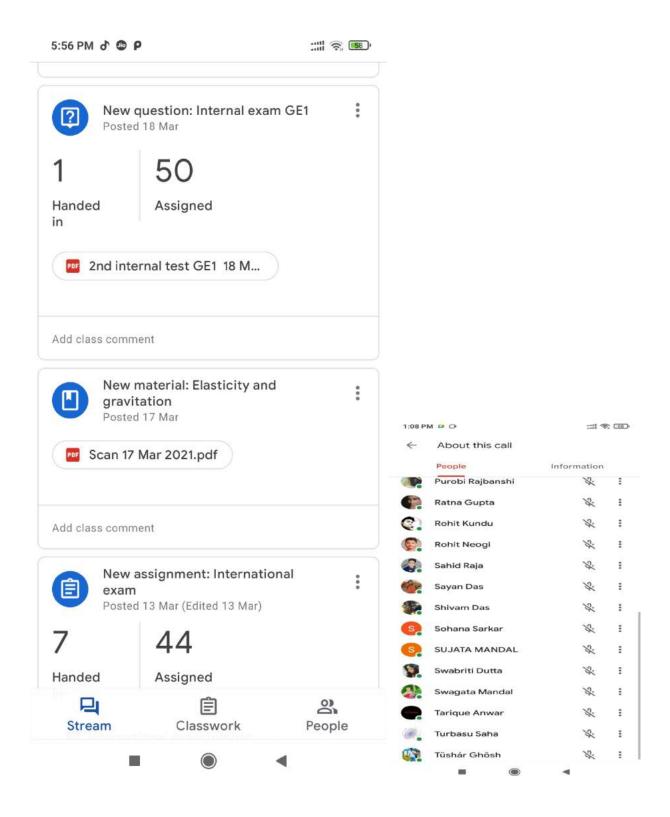


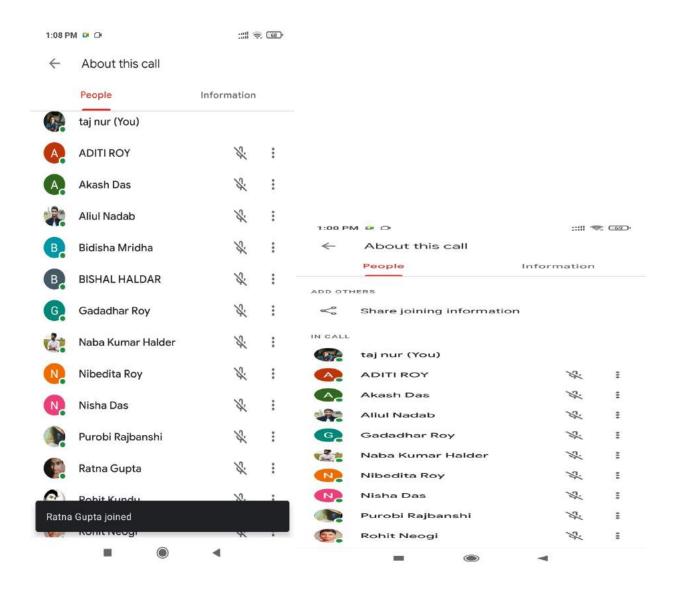




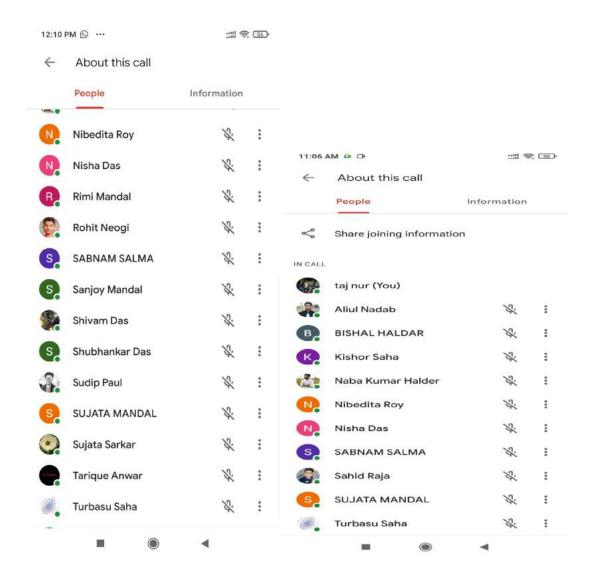


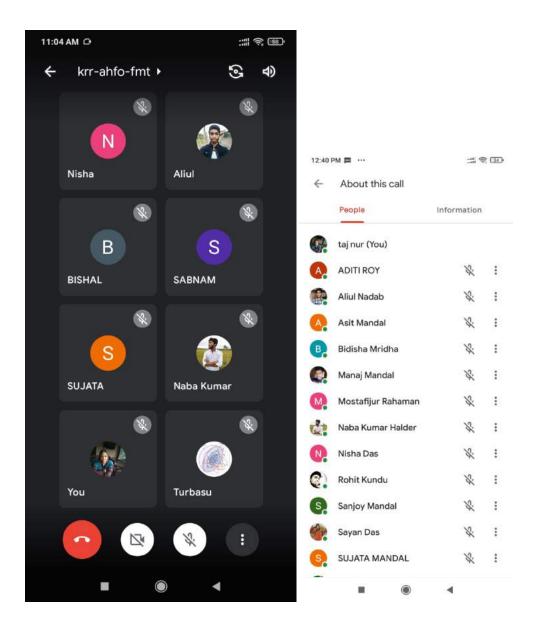


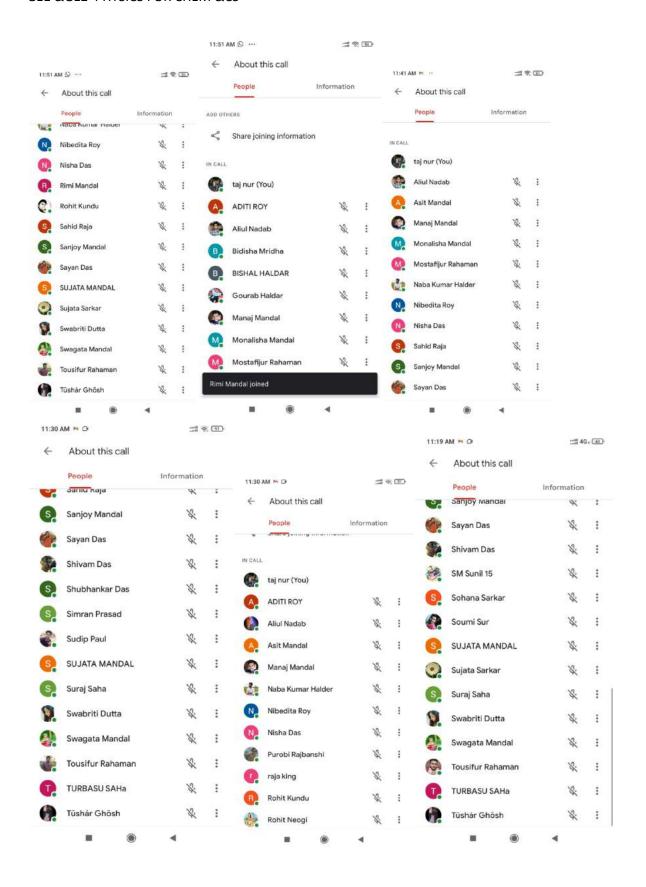


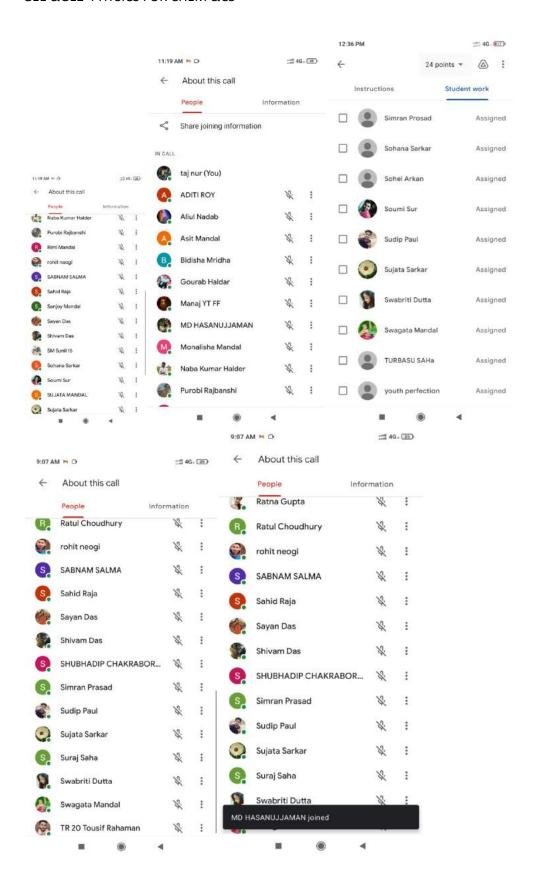


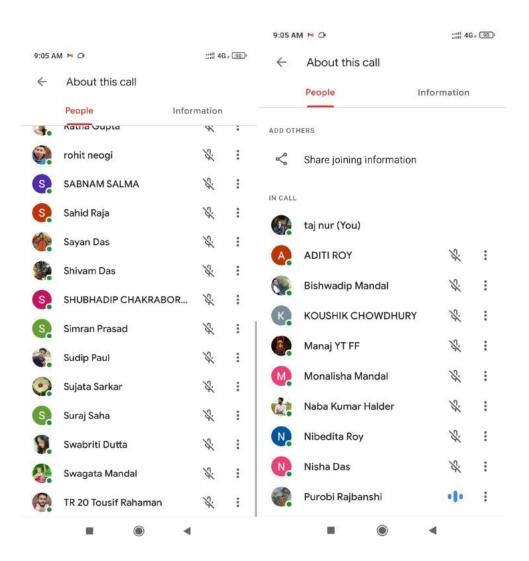
—	About this call		
	People	Information	
OD OT	HERS		
~	Share joining informati	on	
N CALL	-		
	taj nur (You)		
A	ADITI ROY	3.	≡ .
	Aliul Nadab	3.	Ξ
G	Gadadhar Roy	3.	Ξ
	Naba Kumar Halder	2.	Ξ
	Sayan Das	3.	=
	Shivam Das	13.	≡
S	SUJATA MANDAL	3.	≡
	Swabriti Dutta	2.	≡

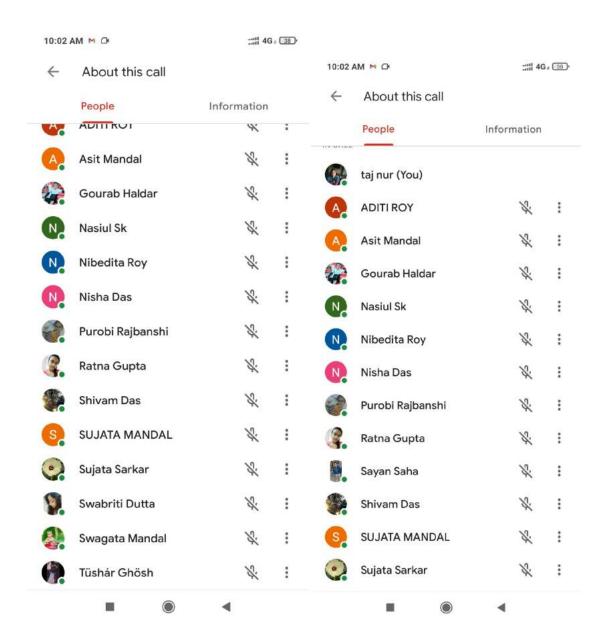


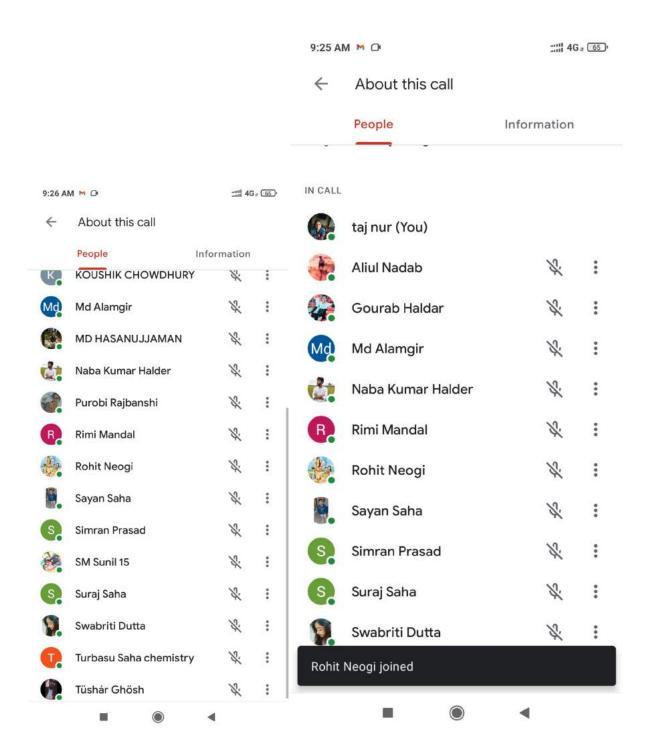


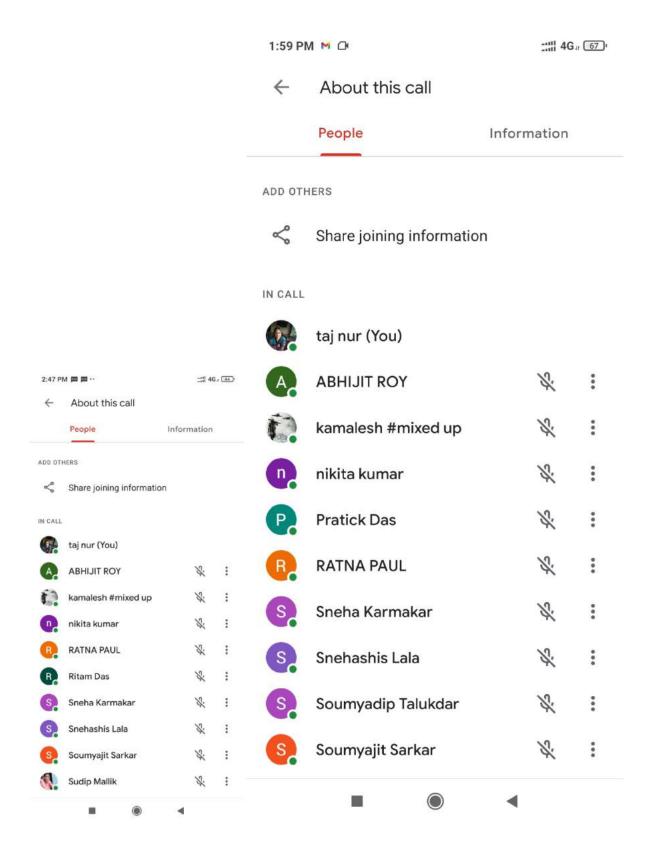


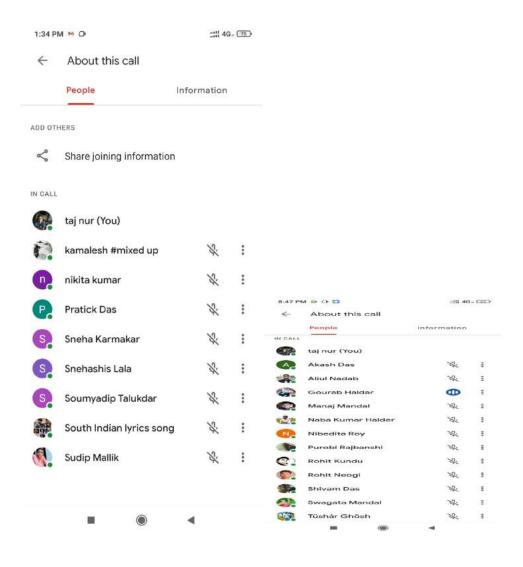


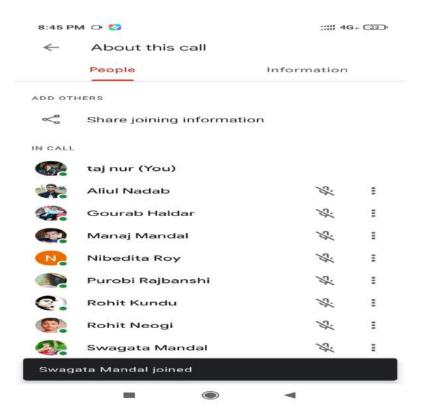












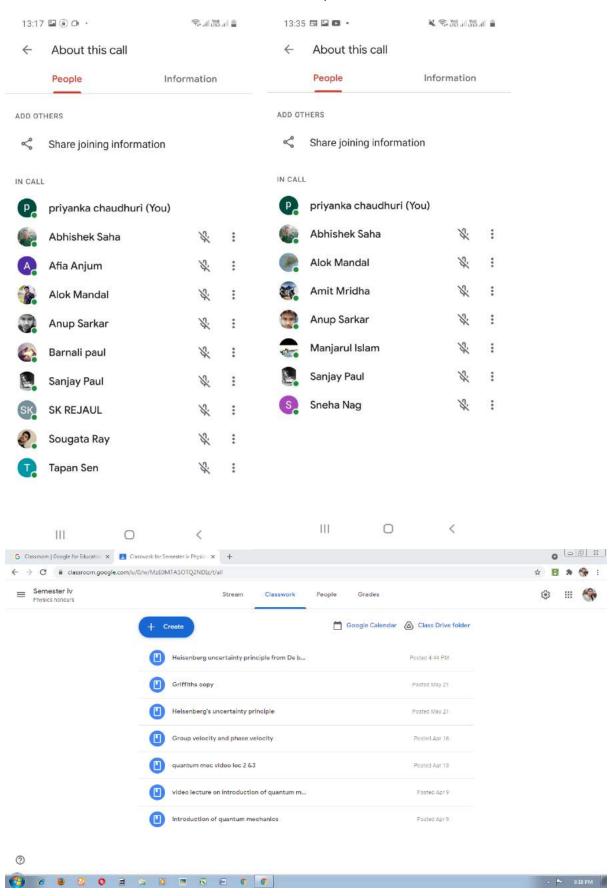
Online Class Details: B.SC 4TH SEMESTER PHYSICS HONOURS .2021

Paper Name: DC9 (quantum mechanics)

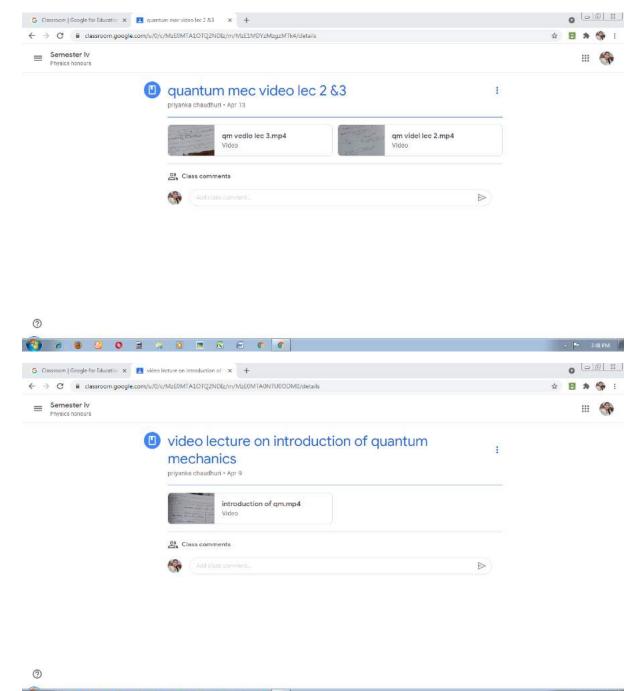
Semester: 4TH SEMESTER

Sl. No.	Date	Weblink	Duration
1	09/04/021	https://meet.google.com/uax-wcgg- ite	4.00pm – 5.00 pm
2	13/04/021	https://meet.google.com/nyd-tnit- amf	4.00pm – 5.01 pm
3	16/04/021	https://classroom.google.com/c/	1.10pm -2.15 pm
4	22/04/021	MTQ0ODQzMDM0MTMx?cjc=6tij2td https://classroom.google.com/c/	1.02pm -2.10 pm
5	12/05/021	MzE0MTA1OTQ2NDIz?cjc=5oc5mtf https://meet.google.com/esw-fdxb- vqo	12.10pm -1.12 pm
6	21/05/021	https://meet.google.com/sbv-qsok- odi	5.03pm - 6.10 pm
7	25/05/021	https://meet.google.com/dhi-iifs- zqx	4.00pm - 5.05pm

Some Snapshots of Online Class:

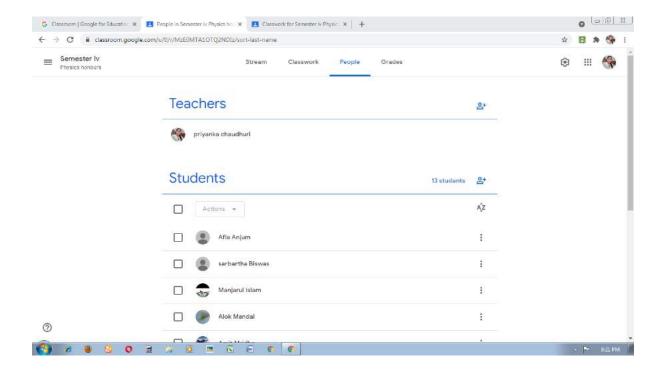


Some Snapshots of Study materials:



Whether teacher has used any LMS software: Yes/No

If Yes, then name the software: Google Class Room(If no, delete this)



Screen Shots of LMS software class:

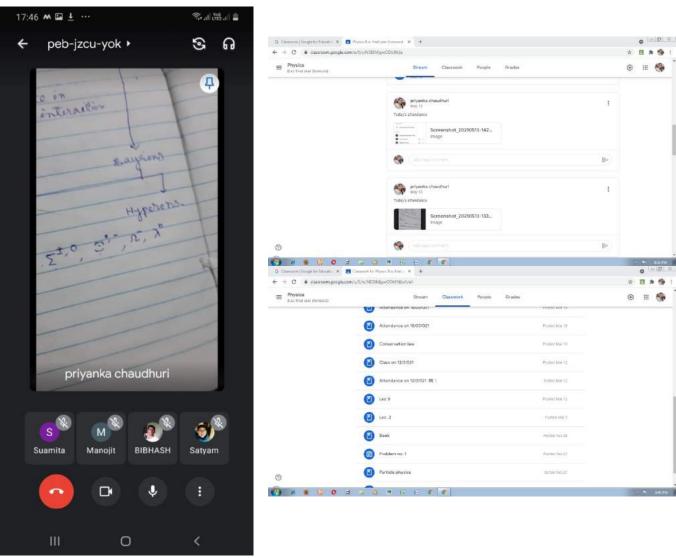
Online Class Details: B.sc final year physics honors , 2020-2021

Paper Name: X I (Atomic , Nuclear & elementary particle physic)

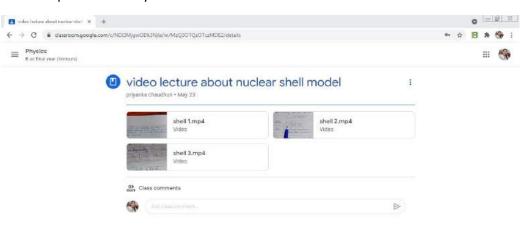
Semester: 3rd year

Sl. No.	Date	Weblink	Duration
1	14/07/020	https://meet.google.com/jhj-ifex- har	11.00 am -12.00 pm
2	15/07/020	https://meet.google.com/ccv- yqnt-hao	11.38 am -12.40 pm
3	18/07/020	https://meet.google.com/brz-aios- dyt	11.00 am - 12.10 pm
4	26/07/020	https://meet.google.com/huq-jixi- nhx	11.30 am – 12.40 pm
5	31/07/020	https://meet.google.com/xqm- erxv-gos	11.00 am- 12.00 pm
6	05/08/020	https://meet.google.com/gux-vrps- wey	11.00 am- 12.00 pm
7	11/08/020	https://meet.google.com/yae- purw-sdq	1.00 pm – 1.50 pm
8	20/08/020	http://meet.google.com/bqz-irwi- rpp	2.11 pm - 3.10 pm
9	21/08/020	http://meet.google.com/psg- owvp-jky	2.00 pm – 3.00 pm
10	24/09/020	http://meet.google.com/efe-dsin- swf	1.30 pm – 2.39 pm
11	11/01/021	https://meet.google.com/myp- yhbc-fwv	3.02 pm – 4.00 pm
12	26/02/021	https://meet.google.com/jhj-ifex- har	12.08 pm – 1.15 pm
13	05/03/021	https://meet.google.com/dnk- unmq-otg	4.06 pm – 5.10 pm
14	08/05/021	https://meet.google.com/ymz- btxp-zxt	3.30 pm – 4.30 pm

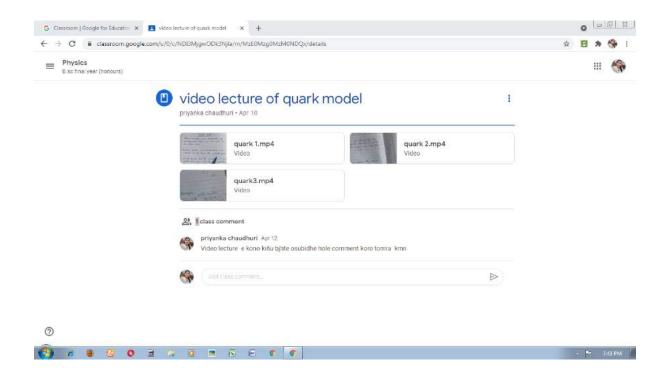
Some Snapshots of Online Class:



Some Snapshots of Study materials:



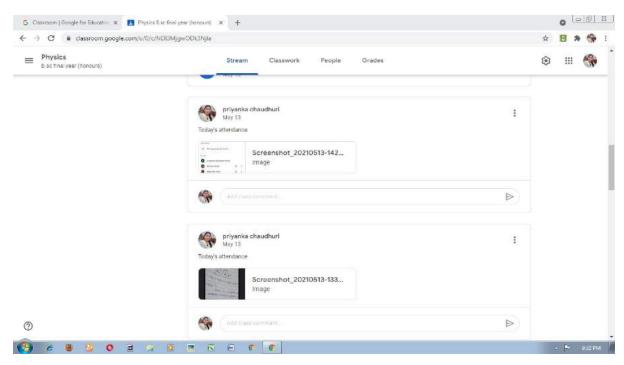


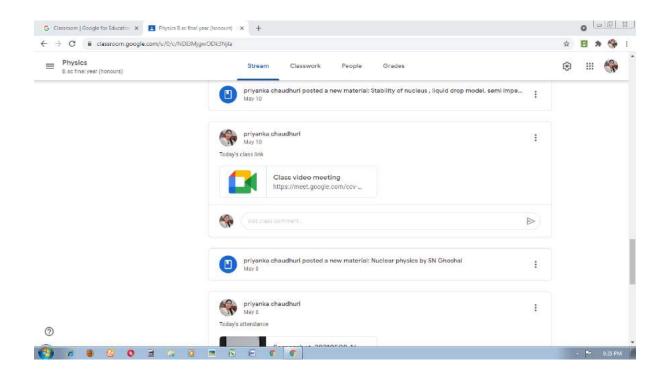


Whether teacher has used any LMS software: Yes/No

If Yes, then name the software: Google Class Room(If no, delete this)

Screen Shots of LMS software class:





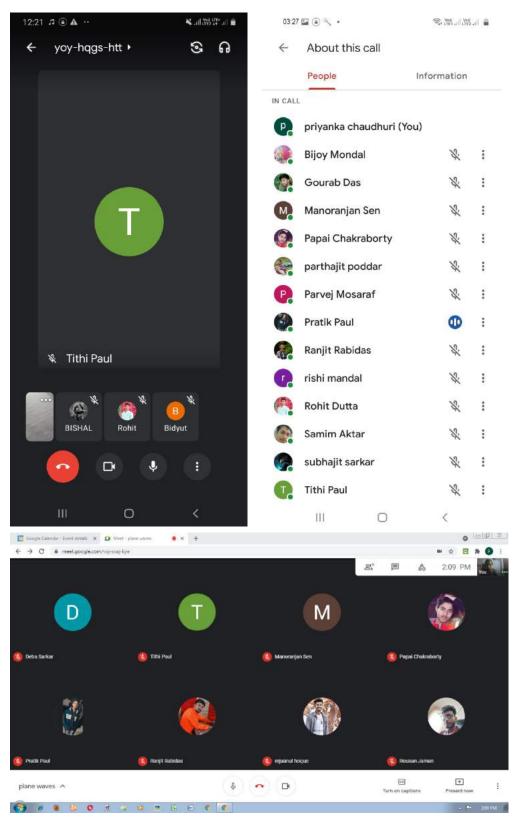
Online Class Details: B.SC 4^{TH} SEMESTER PHYSICS (wave mechanics and optics) .2021

Paper Name: GM- GE4/DC4A/DC4B/DC4C

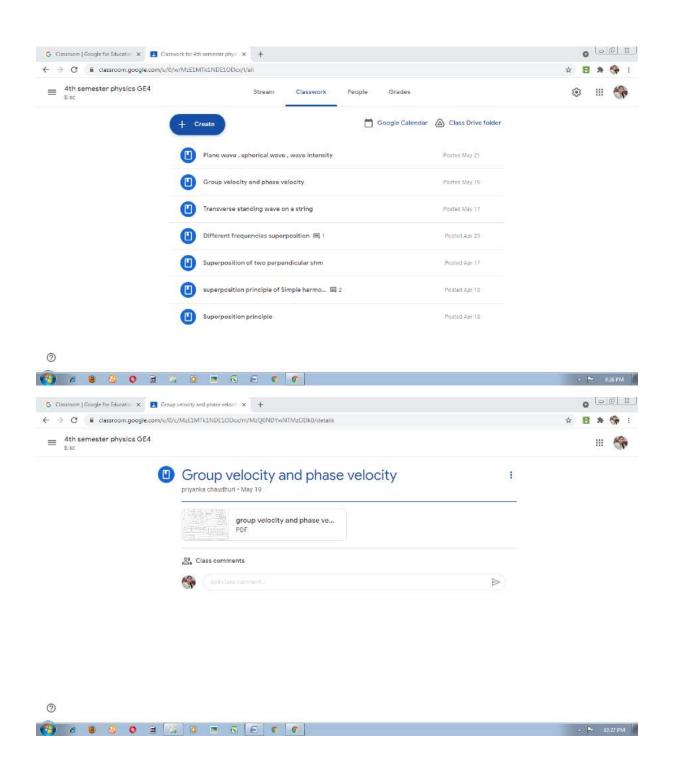
Semester: 4 th semester

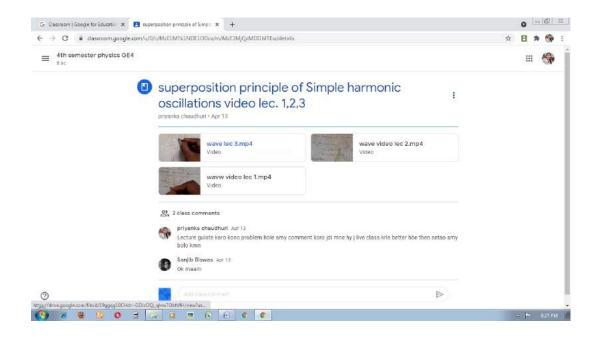
Sl. No.	Date	Weblink	Duration
1	12/04/021	https://classroom.google.com/c/	10.00 am -11.00 am
2	13/04/021	MzE1MTk1NDE1ODcx?cjc=5ue23p2 https://meet.google.com/yet-jnvq-kdp	8.00am -9.00 am
3	17/04/021	https://meet.google.com/ugd-uafj- orn	1.30 pm - 2.30 pm
4	23/04/021	https://meet.google.com/kor- ekez-ttz	12.00 pm -1.00 pm
5	17/05/021	https://meet.google.com/gio- uhnb-unw	1.30 pm - 2.30 pm
6	19/05/021	https://classroom.google.com/c/	2.00 pm – 3.00 pm
7	21/05/021	MzE1MTk1NDE1ODcx?cjc=5ue23p2 https://meet.google.com/vxj-sxaj-kye	3.00pm – 4.00 pm

Some Snapshots of Online Class:



Some Snapshots of Study materials:





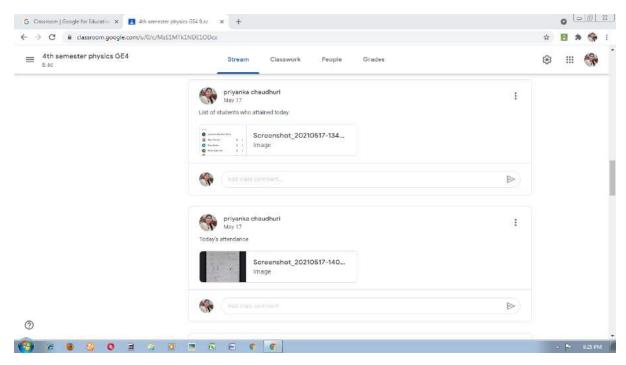
Whether teacher has used any LMS software: Yes/No

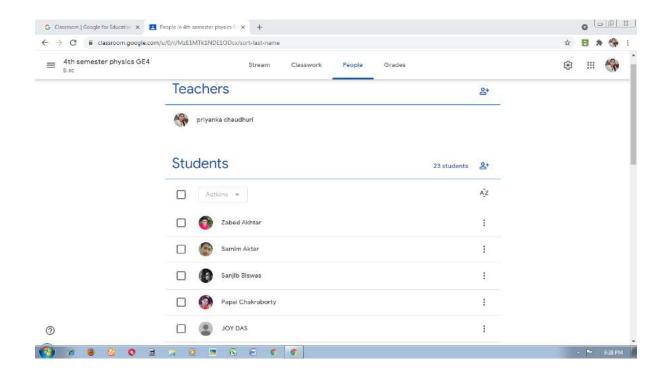
Yes

If Yes, then name the software: Google Class Room(If no, delete this)

Google class room

Screen Shots of LMS software class:





ay	Year	9.00-10.00	10.00-11.00	11.00-12.00	12.00-1.00	1.00-2.00	2.00-3.00	3.00-4.00	4.00-5.00	5.00-6.00
		1	2	3	4	5	6	7	8	9
	General	GE1T	GE1T	GE1T		GE1T				
	Sem-I	AC	AC	TK		TK				
	General	GE3T								
М	Sem-III	PC								
0	General 3rd			Course:	Course:					
n	Year			Teacher:	Teacher:					
d	Honours				DC1T	DC1T	Course:	Course:	Course:	Course:
а	Sem-I				TK	TK	Teacher:	Teacher:	Teacher:	Teacher:
у	Honours				DC6P	DC6P	DC6T	DC5T	DC7T	Course:
	Sem-III				AC	AC	PC	SB	AR	Teacher:
	Honours 3rd			Paper-VIII	Paper-X	Paper-X	Paper-IX		Paper-VIII	Course:
	Year			SB	AC	AC	TK		TK	Teacher:
ay	Year	9.00-10.00	10.00-11.00	11.00-12.00	12.00-1.00	1.00-2.00	2.00-3.00	3.00-4.00	4.00-5.00	5.00-6.00
		1	2	3	4	5	6	7	8	9
	General Sem-I		GE1T	GE1T						
			TK	AC						
	General		GE3P	GE3P						
Т	Sem-III		PC	PC						
u	General 3rd									
е	Year									
S	Honours				DC2P	DC2P		DC1P	DC1P	Course:
d	Sem-I				TK	TK		SB	SB	Teacher:
a y	Honours			DC5P	DC5P			Course:	DC6T	
	Sem-III			AR	AR			Teacher:	PC	
	Honours 3rd			Paper-IX	Paper-VII	Paper-XI	Paper-XI	Course:	Course:	Course:
	Year			TK	AC	AR	AR	Teacher:	Teacher:	Teacher:
ay	Year	9.00-10.00	10.00-11.00	11.00-12.00	12.00-1.00	1.00-2.00	2.00-3.00	3.00-4.00	4.00-5.00	5.00-6.00

4

Paper-VII

5

Paper-VII

6

Sec1

AC

8

9

2

GE1P

AC

GE3T

PC

General Sem-I

General

Sem-III

General 3rd

W

е

d

3

GE1P

AC GE3T

PC

Teachers's Name	Abbriviation	Total Class
Dr. Anirban Ray	AR	22
Dr. Arka Chaudhuri	AC	22
Mr. Sadhan Biswas	SB	16
Ms. Tajnur Khatun	TK	18
Ms. Priyanka Choudhury	PC	15
		0
		0
		0
Total Class		93

n	Year				AC	AC				
е	Honours		Course:	Course:	DC2T			Course:	DC2T	Course:
S	Sem-I		Teacher:	Teacher:	AR			Teacher:	AR	Teacher:
d			DC5T	DC7T			DC6T	DC6P	DC6P	
a	Honours Sem-III		SB	AR			PC	TK	TK	
У					Paper-X	Paper-X	Paper-VII	Paper-IX	Course:	Course:
	Honours 3rd Year				SB	SB	AC	AR	Teacher:	Teacher:
					SB	SB	ne -	THC .	reaction.	reaction.
Day	Year	9.00-10.00	10.00-11.00	11.00-12.00	12.00-1.00	1.00-2.00	2.00-3.00	3.00-4.00	4.00-5.00	5.00-6.00
		1	2	3	4	5	6	7	8	9
							GE1T			
	General Sem-I						AC			
			GE3P	GE3P						
Ţ	General Sem-III		PC	PC						
h			10							
u	General 3rd Year			Course:						
r	iear			Teacher:						
S	Honours				DC1T	DC1T	DC2P	DC2P	DC1P	DC1P
d	Sem-I				TK	TK	AC	AC	SB	SB
а	Honours	DC7P	DC7P		DC6T	DC5T	DC7T			Course:
У	Sem-III	AR	AR		PC	AC	AR			Teacher:
	Honours 3rd			Paper-XI	Paper-XI	Paper-VII	Paper-VIII	Paper-IX		Course:
	Year			AR	AR	AC	SB	PC		Teacher:
						·				
Day	Year	9.00-10.00	10.00-11.00	11.00-12.00	12.00-1.00	1.00-2.00	2.00-3.00	3.00-4.00	4.00-5.00	5.00-6.00
		1	2	3	4	5	6	7	8	9
	General		GE1P	GE1P						
	Sem-I		TK	TK						
	General		GE3T					Sec1		
F	Sem-III		PC					AC		
r	General 3rd						Paper-VIII	Paper-VIII		
i	Year						SB	SB		
d					Course:	DC2T		ENVS	Course:	DC2T
a	Honours Sem-I				Teacher:	AR		Teacher:	Teacher:	AR
у					DC7T	DC5T	Course:	DC5P	DC5P	
,	Honours Sem-III				AR	SB	Teacher:	AR	AR	
				Paper-VIII	Paper-VIII	Paper-VII	Paper-IX	Paper-IX	Course:	Course:
	Honours 3rd Year			PC	SB	AC	PC PC	TK		Teacher:
	Teal			rc	SB	AC	rc	1K	Teacher:	reacher:

Day	Year	9.00-10.00	10.00-11.00	11.00-12.00	12.00-1.00	1.00-2.00	2.00-3.00	3.00-4.00	4.00-5.00	5.00-6.00
		1	2	3	4	5	6	7	8	9
	G 10 I	Course:	GE1T							
	General Sem-I	Teacher:	TK							
S	General			Course:	Course:					
a	Sem-III			Teacher:	Teacher:					
t	General 3rd				Course:					
u	Year				Teacher:					
r	Honours Sem-I Honours Sem-III				Course:	DC1T+DC2T	Course:			
d					Teacher:	AR+TK	Teacher:			
а				DC7P	DC7P	DC5T+DC6T+DC	Course:			
У				AR	AR	AR+PC+SB+AC	Teacher:			
	Honours 3rd		Paper-IX	Paper-VII	Paper-VIII	Paper-VIII				
	Year		AR	AC	SB	SB				