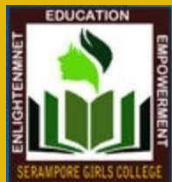


BLENDED MODE TEACHING

CRITERIA 1.1.1



Serampore Girls College

13, T.C. Goswami Street,
Serampore, Hooghly – 712201, West Bengal
Re- Accredited by NAAC : Grade B (2nd Cycle)
Email: serampore_girls_college@yahoo.co.in
Website: www.seramporegirlscollege.org

PRACTICAL CLASSES USING VIRTUAL LAB



An Initiative of Ministry of Education Under the National Mission on Education through ICT

Practical classes using Virtual Lab of Sem VI , date: 05/05/2023

de-iitr.vlabs.ac.in/exp/half-full-adder/simulation.html

Gmail YouTube Maps W dubai SOC

Virtual Labs
Construction of half/ full adder using XOR and NAND gates and verification of its..

Simulator 1 Simulator 2

INSTRUCTIONS

Experiment to perform logic of Full Adder on kit

Truth Table

Serial No.	Input A	Input B	Sum	Carry
1	0	0	0	0
2	0	1	1	0
3	1	0	1	0
4	1	1	0	1

de-iitr.vlabs.ac.in/exp/half-full-adder/simulation.html

Gmail YouTube Maps W dubai SOC

Virtual Labs
Construction of half/ full adder using XOR and NAND gates and verification of its..

INSTRUCTIONS

Experiment to perform logic of half adder on kit

Truth Table

Serial No.	Input A	Input B	Sum	Carry
1	0	0	0	0
2	0	1	1	0
3	1	0	1	0
4	1	1	0	1

Practical classes using Virtual Lab of Sem VI , date: 05/05/2023

Soma Roy,
Principal
Serampore Girls' College
Serampore, Hooghly

Serampore Girls' College

13, T.C. Goswami Street Serampore Hooghly - 712201 West Bengal

NAAC Criteria 1.1.1 BLENDED MODE TEACHING (ONLINE CLASS)



DEPARTMENT OF PHYSICS (class on JAMBOARD using Google Meet: 2021)

jamboard.google.com/d/1W68v2H9UoKmRincrQLV5W0XoOilXergoXILsObzcll/viewer?tf=4

crx-byxs-pex - 21 Apr 2021

Set background Clear frame

✓ Gradient of Scalar field
 $at (x, y, z) \quad r = [x, y, z]$

$$\text{grad } u = \frac{\partial u}{\partial x} \hat{i} + \frac{\partial u}{\partial y} \hat{j} + \frac{\partial u}{\partial z} \hat{k}$$
$$\nabla = \hat{i} \frac{\partial}{\partial x} + \hat{j} \frac{\partial}{\partial y} + \hat{k} \frac{\partial}{\partial z}$$

Activate Windows
Go to Settings to activate Windows.

jamboard.google.com/d/15jr1s5SKYjmsREPnemaXqUD5AGgWB9zPDMocOeYld4/viewer?tf=11

crx-byxs-pex - 21 Apr 2021

Set background Clear frame

$$\vec{\nabla} \times \vec{a} = \text{curl}(a)$$
$$\vec{\nabla} \times \vec{a} = \begin{vmatrix} \hat{i} & \hat{j} & \hat{k} \\ \frac{\partial}{\partial x} & \frac{\partial}{\partial y} & \frac{\partial}{\partial z} \\ a_x & a_y & a_z \end{vmatrix} = \left(\frac{\partial a_y}{\partial x} - \frac{\partial a_x}{\partial y} \right) \hat{k} + \left(\frac{\partial a_z}{\partial y} - \frac{\partial a_y}{\partial z} \right) \hat{j} + \left(\frac{\partial a_x}{\partial z} - \frac{\partial a_z}{\partial x} \right) \hat{i}$$

Activate Windows
Go to Settings to activate Windows.

jamboard.google.com/d/15jr1s5SKYjmsREPnemaXqUD5AGgWB9zPDMocOeYld4/viewer?tf=13

crx-byxs-pex - 18 May 2021

Set background Clear frame

$$\vec{E} = c \vec{B} \quad c = \frac{1}{\sqrt{\mu_0 \epsilon_0}}$$
$$u_E = \frac{1}{2} \epsilon_0 E^2 = \frac{1}{2} \epsilon_0 c^2 B^2$$
$$u_E = \frac{1}{2} \times \frac{1}{\mu_0 \epsilon_0} B^2 = \frac{B^2}{2 \mu_0} = u_B$$

Activate Windows
Go to Settings to activate Windows.

Soma Roy,
Principal
Serampore Girls' College
Serampore, Hooghly

Signature of Principal

Serampore Girls' College

13, T.C. Goswami Street Serampore Hooghly - 712201 West Bengal

NAAC Criteria 1.1.1 BLENDED MODE TEACHING (ONLINE CLASS)



DEPARTMENT OF PHYSICS (class on JAMBOARD using Google Meet: 2023)

jamboard.google.com/d/1dvcMKAr24kqg8RMCwZQ28j6_VZGFUT1fn58IPmc/viewer?fr=2

uia-dnfm-wqt - Apr 20, 2023

electric field due to a infinite line charge using gauss law

$$\lambda = \frac{q}{L}$$
$$q = \lambda L$$
$$\int E \cdot dA = \frac{q}{\epsilon_0} \quad (3)$$
$$EA = \frac{q}{\epsilon_0} \quad (4)$$
$$E \cdot 2\pi r L = \frac{q}{\epsilon_0} \quad (5)$$
$$E = \frac{1}{\epsilon_0 2\pi r L} \frac{q}{L} \quad (6)$$

jamboard.google.com/d/1t2vcMk1F819Ea6jRBH-B91ABgthwEoE6Xj04gANLY/viewer?fr=2

uia-dnfm-wqt - Apr 19, 2023

NOT Gate

V _{IN}	V _{OUT}
H	L
L	H

INVERTER

jamboard.google.com/d/1b-FFIRV41tL_wicMidvB0ZbNCAD4DSstbUMDZyY9w/viewer?fr=4

uia-dnfm-wqt - Apr 19, 2023

GAUSS LAW

Flux $\Delta\phi = E \cdot \Delta A$

$$\Delta\phi = E \cdot \Delta A$$
$$\text{total flux} = \phi = \sum E \cdot \Delta A$$

Soma Roy.
Principal
Serampore Girls' College
Serampore, Hooghly

Signature of Principal

Serampore Girls' College

13, T.C. Goswami Street Serampore Hooghly - 712201 West Bengal

NAAC Criteria 1.1.1 BLENDING MODE TEACHING (ONLINE CLASS)



DEPARTMENT OF PHYSICS (ATTENDANCE OF ONLINE CLASS 2023)

Google Meet Attendance Tracking Report

Meeting Name: iua-dnfm-wqt Date: 19-Apr-2023

Attendance Tracking Started At : 11:48:10
Attendance Tracking Stopped At : 12:47:09
Total Number of people Attended : 4
Total Meeting Duration : 58 min 33s

Detailed Attendance Report

Number Of People Attended More Than 65% Of Meeting: 4 Number Of People Attended Less Than 65% Of Meeting: 0

S.No	Participant Name	Attended Duration	Attended Percentage
1	ASIYA PARVIN	55 min 40s	96%
2	DR. SANDIP MAJUMDAR	58 min 33s	100%
3	NAWAB ALI	55 min 2s	94%
4	NISHU BHAGAT	56 min 48s	98%

Meeting Name: iua-dnfm-wqt Date: 20-Apr-2023

Attendance Tracking Started At : 10:44:31
Attendance Tracking Stopped At : 11:44:29
Total Number of people Attended : 8
Total Meeting Duration : 59 min 38s

Detailed Attendance Report

Number Of People Attended More Than 65% Of Meeting: 6 Number Of People Attended Less Than 65% Of Meeting: 2

S.No	Participant Name	Attended Duration	Attended Percentage
1	ANUSHREE DUTTA	58 min 27s	99%
2	ARPITA JHA	58 min 41s	99%
3	DR. SANDIP MAJUMDAR	59 min 38s	100%
4	GUNGN MISHRA	38 min 20s	65%
5	NISHU BHAGAT	0 min 14s	1%
6	POUSALI SARKAR	57 min 37s	97%
7	SUBHRA SADHUKHAN	59 min 31s	100%
8	SUCHETA KUNDU	57 min 21s	97%

Soma Roy.
Principal
Serampore Girls' College
Serampore, Hooghly

Signature of Principal

Google classroom for Physics classes of mechanics, Classical mechanics, Electricity and Magnetism etc.

The screenshot displays the Google Classroom web interface. On the left is a navigation sidebar with the following items: Home, Calendar, Teaching, To review, Mechanics (SEC A), classical mechanics (sec b), Quantum Mechanics (Sec B), ELECTRICITY AND MAGNETIS... (SEC A), Waves and optics (Sec B), Archived classes, and Settings. The main content area features a grid of five class cards:

- Mechanics SEC A**: Card with a wrench icon.
- classical mechanics sec b**: Card with a wrench icon.
- Quantum Mechanics Sec B**: Card with a wrench icon.
- ELECTRICITY AND M... SEC A**: Card with a lightbulb icon.
- Waves and optics Sec B**: Card with a camera lens icon.

Each card includes a title, a section identifier, and a small icon in the top right corner. The bottom right corner of the interface contains an "Activate Windows" watermark with the text "Go to Settings to activate Windows."

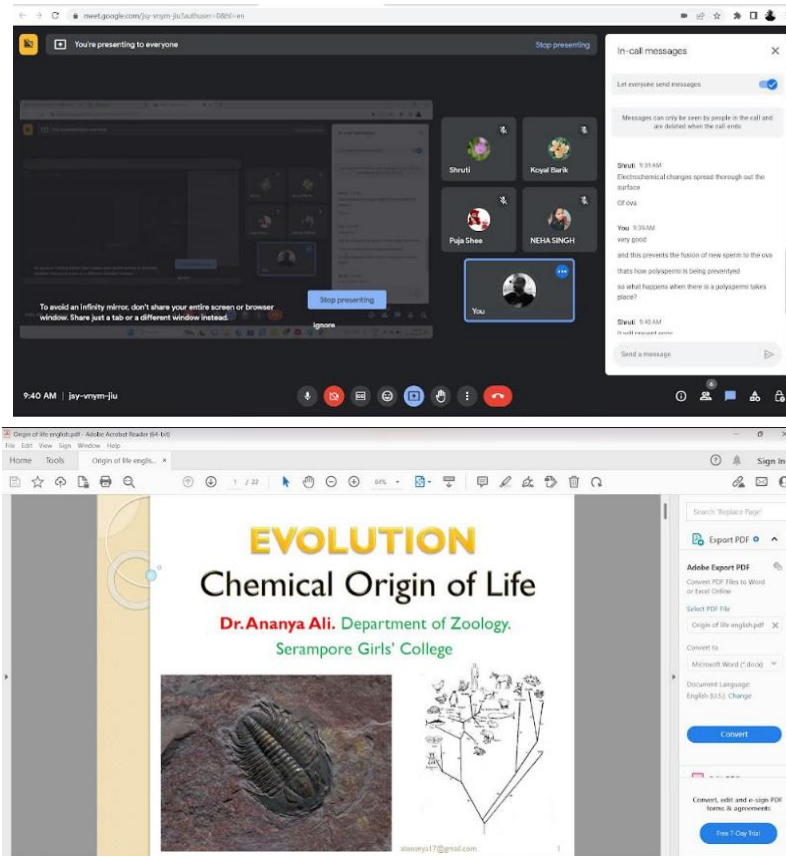
Serampore Girls' College

13, T.C. Goswami Street Serampore Hooghly - 712201 West Bengal

NAAC Criteria 1.1.1 BLENDING MODE TEACHING (ONLINE CLASS)



DEPARTMENT OF ZOOLOGY (SCREENSHOT OF ONLINE CLASSES)



The screenshot displays an online class session. The top portion shows a Google Meet interface with a presentation window, a chat window, and a grid of participants. The bottom portion shows a PDF document titled "EVOLUTION Chemical Origin of Life" by Dr. Ananya Ali, Department of Zoology, Serampore Girls' College. The PDF content includes a trilobite fossil and a phylogenetic tree.

Soma Roy,
Principal
Serampore Girls' College
Serampore, Hooghly

Signature of Principal

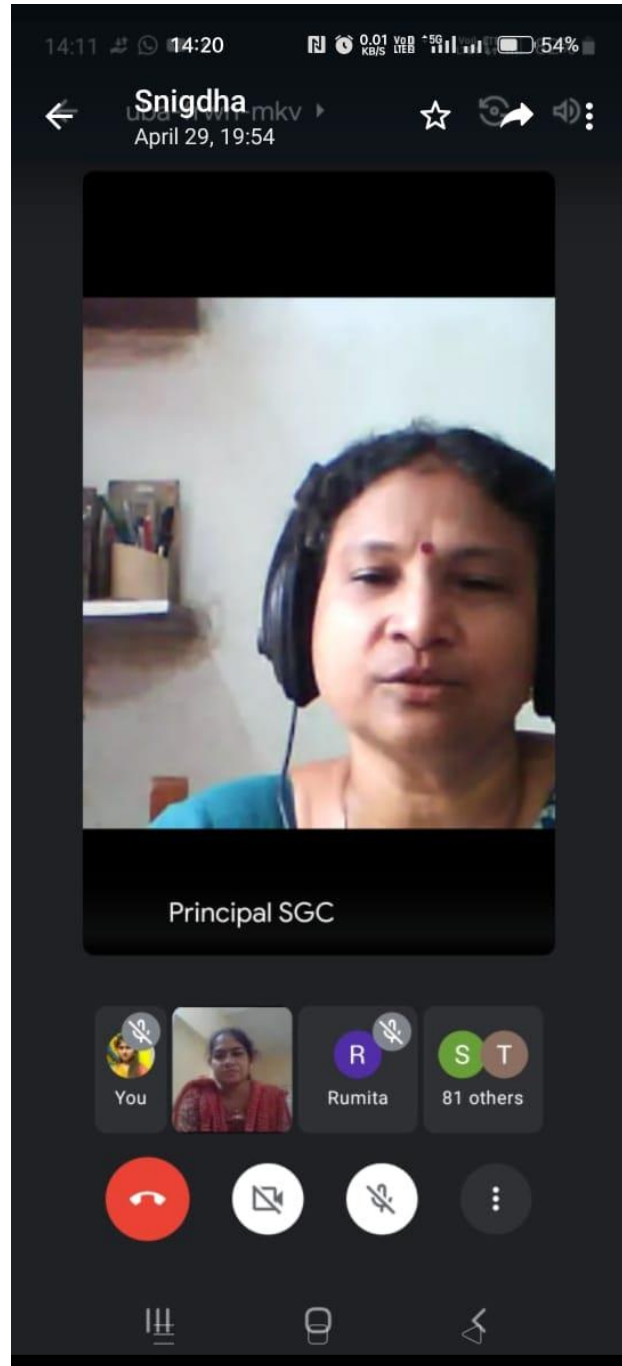
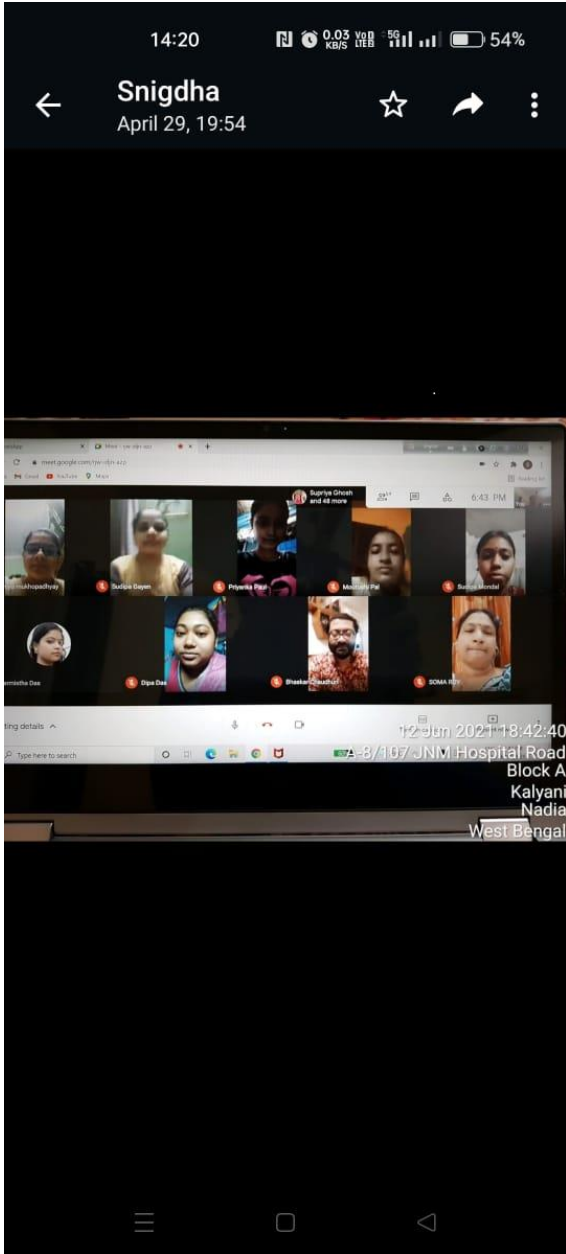
Serampore Girls' College

13, T.C. Goswami Street Serampore Hooghly - 712201 West Bengal

NAAC Criteria 1.1.1 BLENDING MODE TEACHING (ONLINE CLASS)



DEPARTMENT OF BENGALI (SCREENSHOT OF ONLINE CLASSES)



Soma Roy,
Principal
Serampore Girls' College
Serampore, Hooghly

Signature of Principal

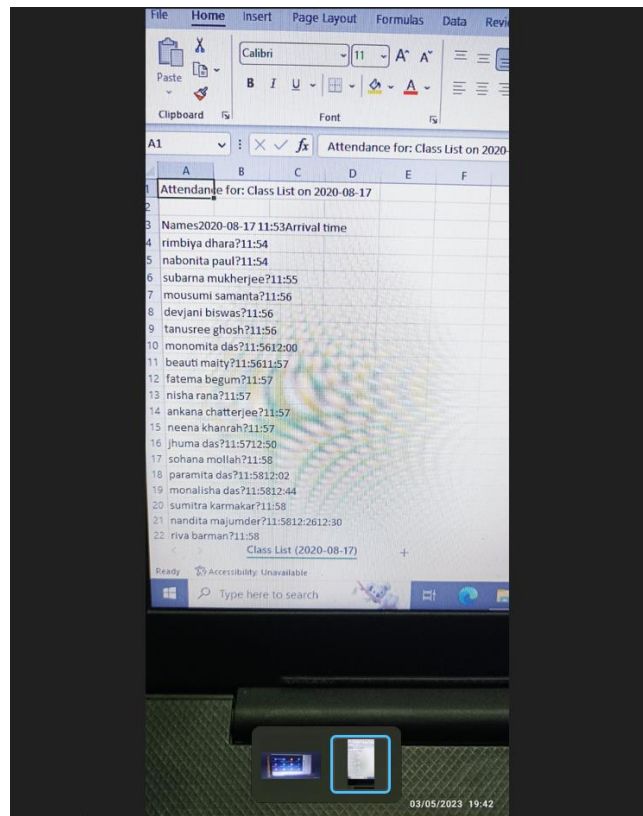
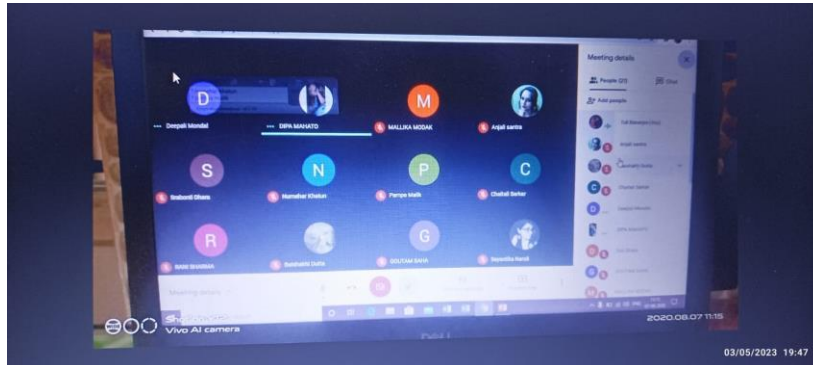
Serampore Girls' College

13, T.C. Goswami Street Serampore Hooghly - 712201 West Bengal

NAAC Criteria 1.1.1 BLENDDED MODE TEACHING (ONLINE CLASS)



DEPARTMENT OF EDUCATION (SCREENSHOT OF ONLINE CLASSES)



Soma Roy,
Principal
Serampore Girls' College
Serampore, Hooghly

Signature of Principal

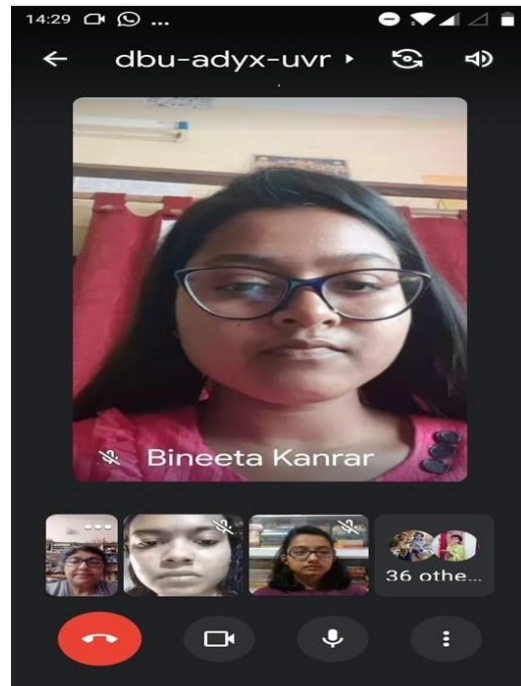
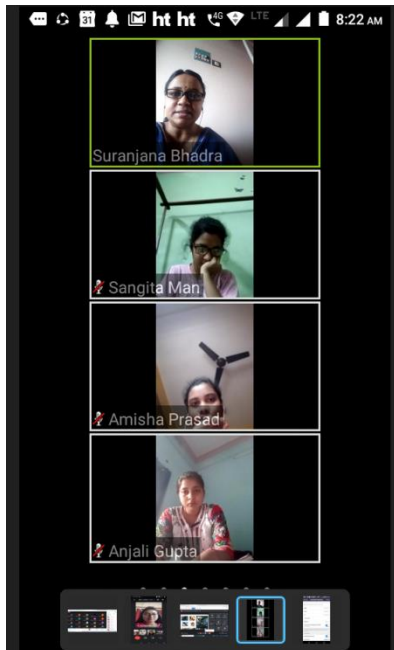
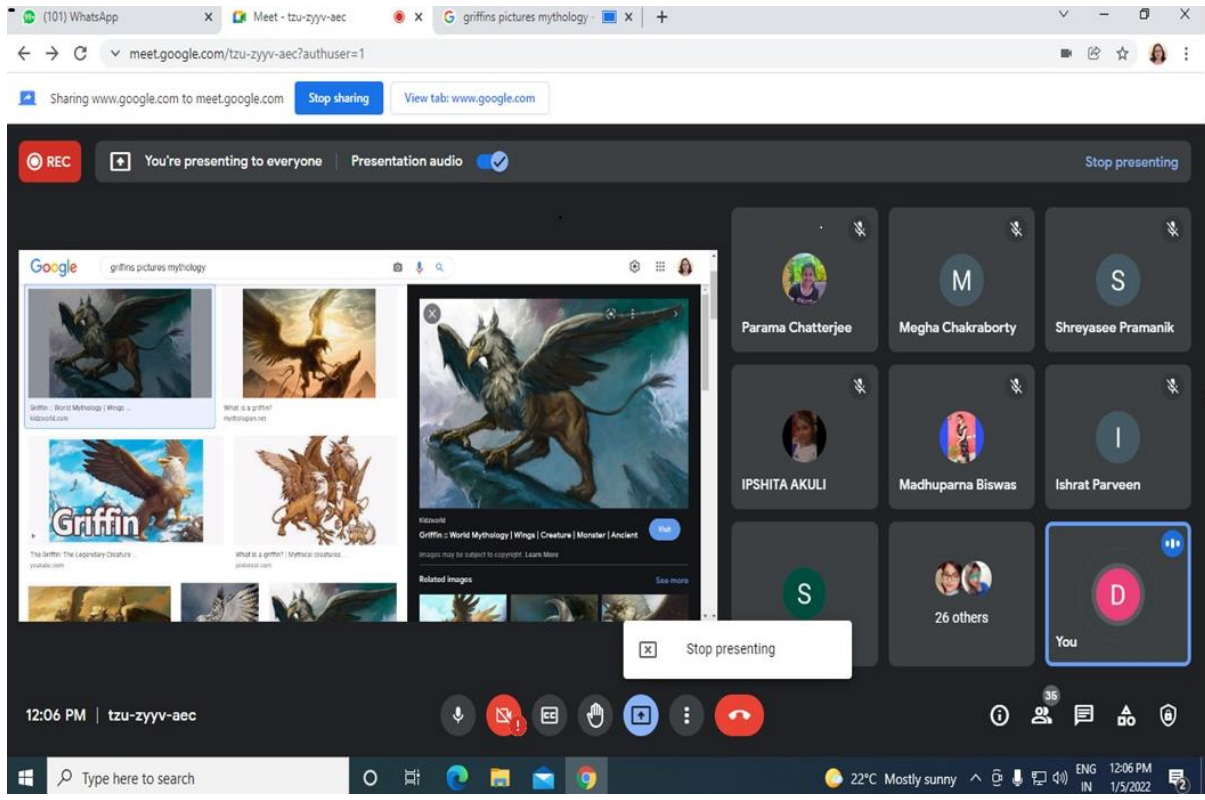
Serampore Girls' College

13, T.C. Goswami Street Serampore Hooghly - 712201 West Bengal

NAAC Criteria 1.1.1 BLENDING MODE TEACHING (ONLINE CLASS)



DEPARTMENT OF ENGLISH (SCREENSHOT OF ONLINE CLASSES)



Soma Roy,
Principal
Serampore Girls' College
Serampore, Hooghly

Signature of Principal

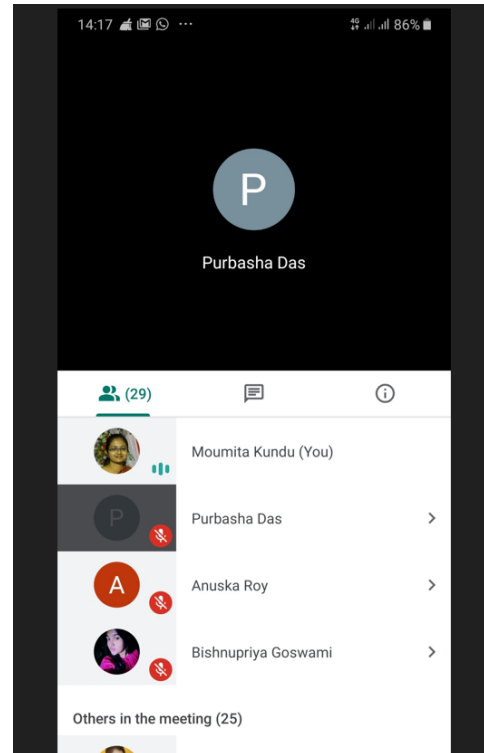
Serampore Girls' College

13, T.C. Goswami Street Serampore Hooghly - 712201 West Bengal

NAAC Criteria 1.1.1 BLENDING MODE TEACHING (ONLINE CLASS)



DEPARTMENT OF GEOGRAPHY (SCREENSHOT OF ONLINE CLASSES)



Soma Roy,
Principal
Serampore Girls' College
Serampore, Hooghly

Signature of Principal

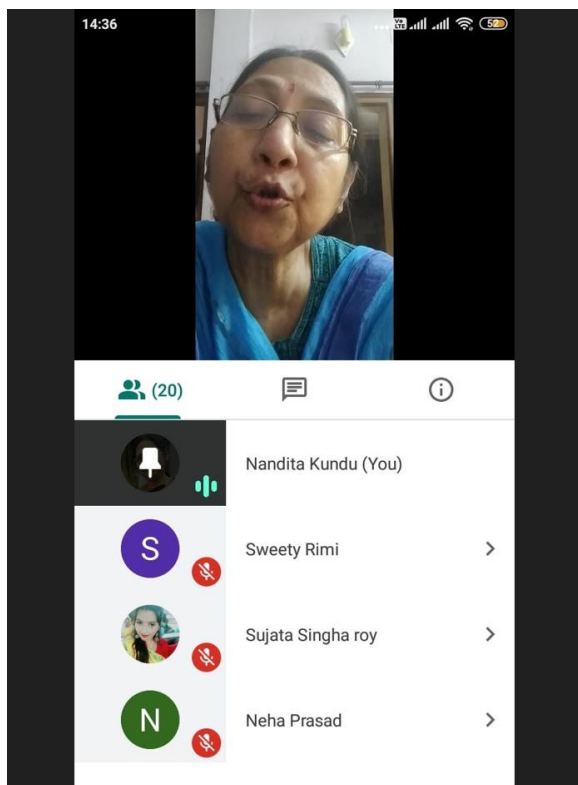
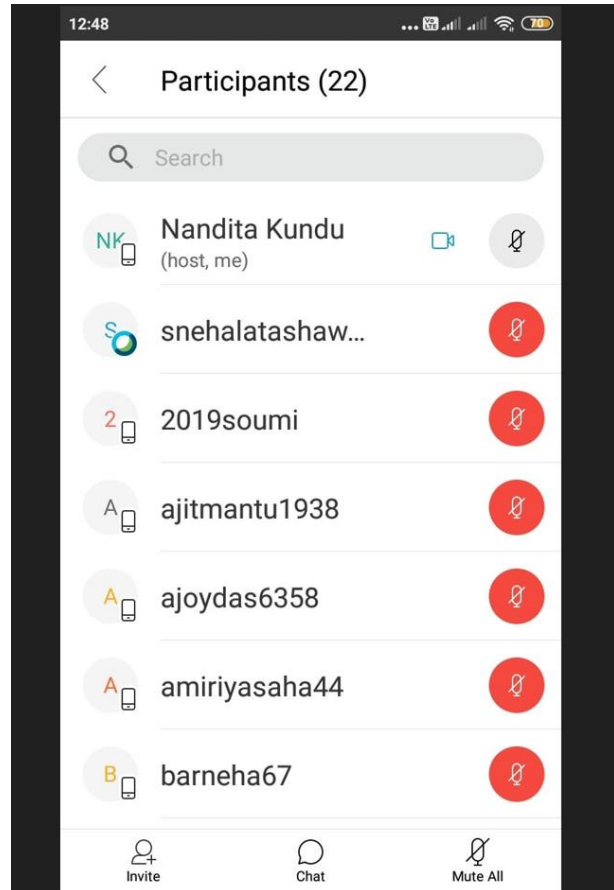
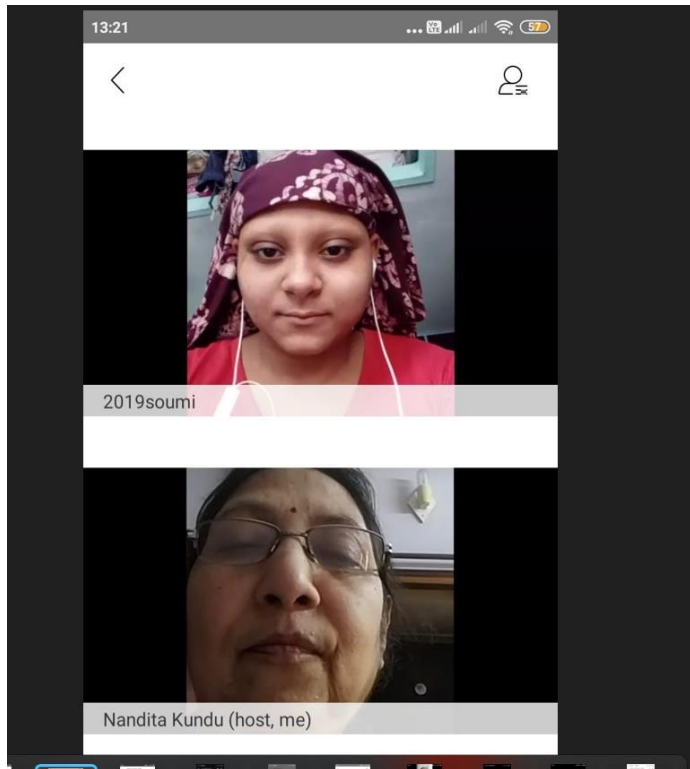
Serampore Girls' College

13, T.C. Goswami Street Serampore Hooghly - 712201 West Bengal

NAAC Criteria 1.1.1 BLENDDED MODE TEACHING (ONLINE CLASS)



DEPARTMENT OF HISTORY (SCREENSHOT OF ONLINE CLASSES)



Soma Roy,
Principal
Serampore Girls' College
Serampore, Hooghly

Signature of Principal

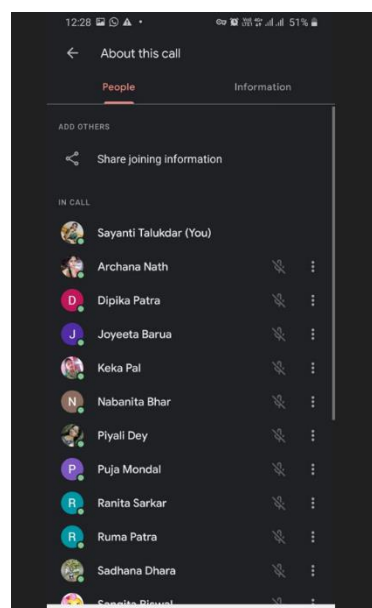
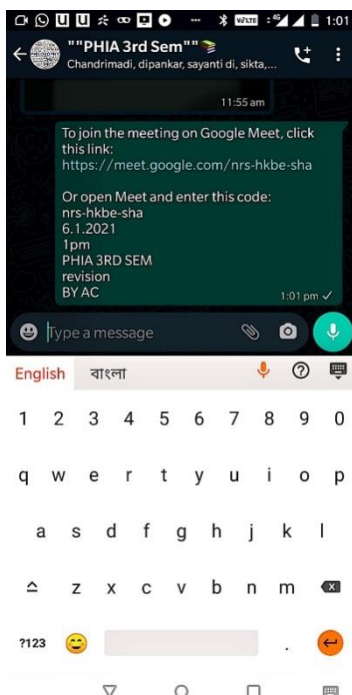
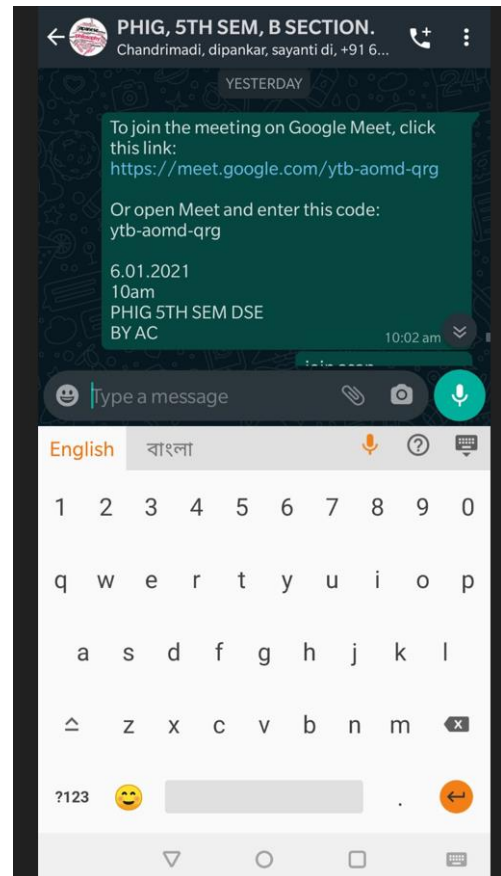
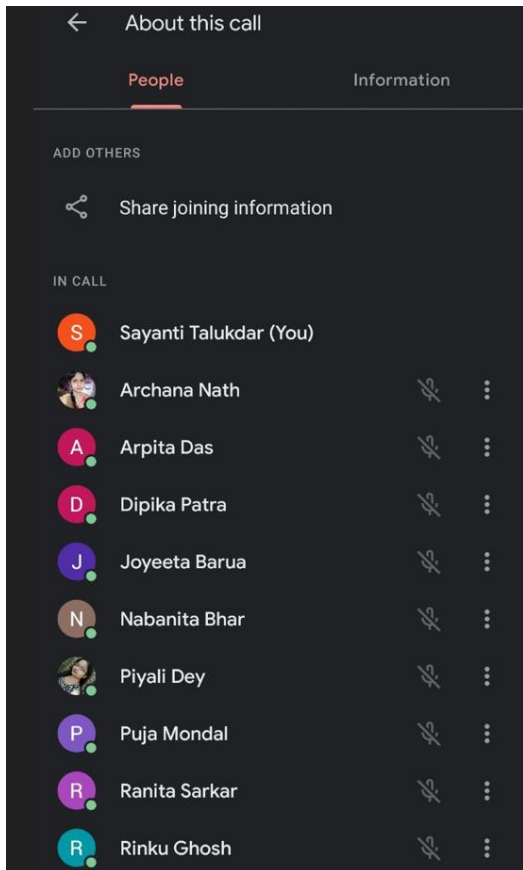
Serampore Girls' College

13, T.C. Goswami Street Serampore Hooghly - 712201 West Bengal

NAAC Criteria 1.1.1 BLENDING MODE TEACHING (ONLINE CLASS)



DEPARTMENT OF PHILOSOPHY (SCREENSHOT OF ONLINE CLASSES)



Soma Roy
Principal
Serampore Girls' College
Serampore, Hooghly

Signature of Principal

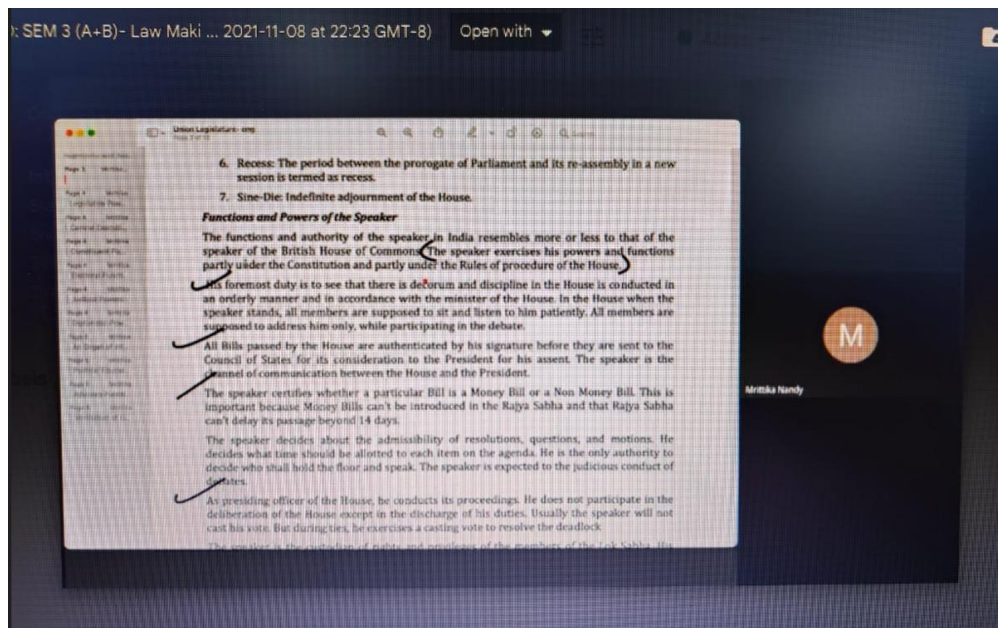
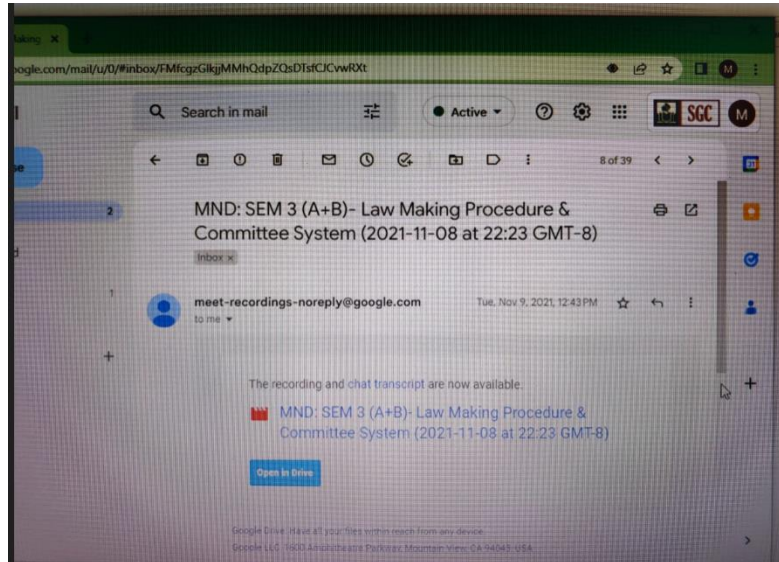
Serampore Girls' College

13, T.C. Goswami Street Serampore Hooghly - 712201 West Bengal

NAAC Criteria 1.1.1 BLENDING MODE TEACHING (ONLINE CLASS)



DEPARTMENT OF POLITICAL SCIENCE (SCREENSHOT OF ONLINE CLASSES)



Soma Roy,
Principal
Serampore Girls' College
Serampore, Hooghly

Signature of Principal