



**Criterion : II - Teaching- Learning and Evaluation**  
**Metric : 2.3 Teaching Learning Process**



## **Online Classes through Google Classroom, Google Meet and Zoom Platform**

**M.V. MUTHIAH GOVERNMENT ARTS COLLEGE FOR WOMEN, DINDIGUL**  
**AFFILIATED TO MOTHER TERESA WOMEN'S UNIVERSITY, KODAIKANAL**  
**RE-ACCREDITED WITH 'A' GRADE BY NAAC**  
**PG AND RESEARCH DEPARTMENT OF COMPUTER SCIENCE**

## Online Classes - Report

**23.09.2020**

Faculty members of our department conducted online classes for UG I Year, II year & III Year and II PG students using various online educational tools like Google classroom, Zoom App, YouTubeVideos and GoogleMeet. Students actively participated, interacted and posted their comments in the online classes and submitted their attendance through the Google Form. Though we tried our best, we are limited to achieve 100% attendance of students due to

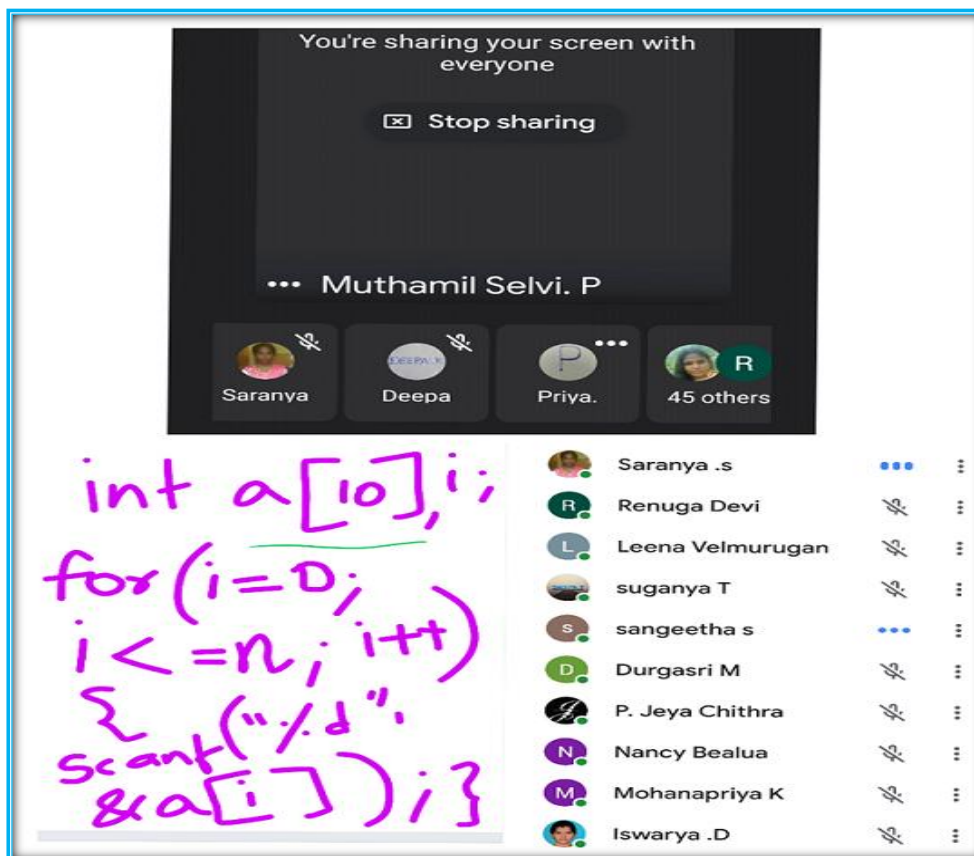
- Network issues in remote areas
- Non availability of smart phones or laptops
- Power shutdown

### Details of Live Online Classes

S.No	Class	Total No. of students	Total No. of Students Attended	No. of students Absent	% of Attendance Present	% of Attendance Absent	MODE
1.	I UG(A & B) - C	60	52	8	86	14	GMEET
2.	I UG(A & B) - DM	60	52	8	86	14	GMEET
3.	I UG(A & B) - DP&CO	60	60	NIL	100	NIL	GCR
4.	II UG(A& B) -FCA	74	74	NIL	100	NIL	GCR
5.	II UG(A& B) -OR	74	74	NIL	100	NIL	GCR
6.	II UG(A& B) -FDS	74	74	NIL	100	NIL	GCR
7.	III UG(A & B)-SS	67	53	14	79	21	ZOOM
8.	IIIUG(A&B)-MM	67	67	NIL	100	NIL	GCR
9.	IIIUG(A&B)-DM	67	54	13	81	19	GMEET
10.	IIIUG(A&B)-VB	67	53	14	79	21	GMEET
11.	II PG - CD	23	23	NIL	100	NIL	GCR
12.	II PG - BDA	23	23	NIL	100	NIL	GCR
13.	II PG - SE	23	23	NIL	100	NIL	GCR

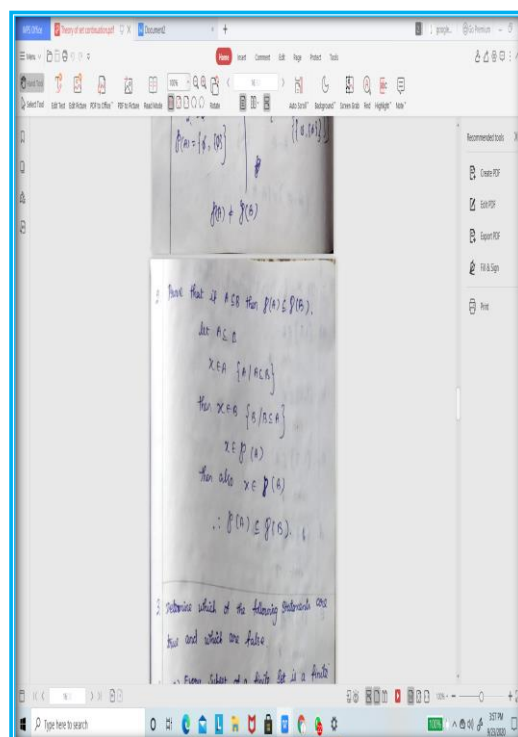
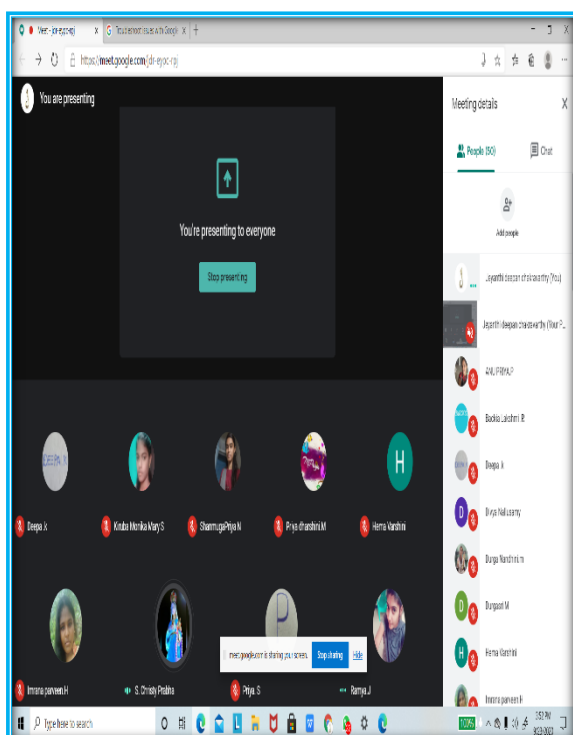
**GCR – GOOGLE CLASS ROOM**

**1. Class & Subject: I B.Sc (A & B) – Programming in C**  
**Staff Name: Ms. P.Muthamil Selvi**



**2. Class & Subject: I B.Sc (A & B) – Discrete Mathematics**

**Staff Name : Mrs. D.Jeyanthi**



### 3. Class & Subject: I B.Sc (A & B) – Digital Principles & Computer Organization

Staff Name: Mrs. T.Thamayanthi

3:15 PM 5.6KB/s


I B.Sc.CS (A & B)  
Batch:2020-2023


## Clocked RS Flip Flop


Thama Josnika • 2:34 PM

IMG\_20200923\_142801-...  
PDF

16 class comments

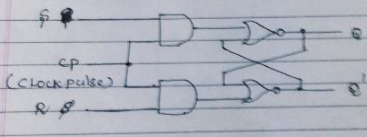
 Poornima. P 2:35 PM  
Poornima. P  
Application no:187764  
Shift:1

 Vishnupriya K 2:37 PM  
Vishnupriya.k  
Application no:218093  
Shift:1

 Muthumani .J 2:38 PM  
Muthumani. J  
App no:262525  
Shift1

CLOCKED R-S FLIP FLOP

- \* It is also called a Gated R-S Flip Flop.
- \* The problem with R-S flip flops using NOR and NAND gates is the Invalid State.
- \* This problem can be overcome by using a bistable R-S flip flop that can change output when certain invalid states are met, regardless of the condition either the Set or the Reset inputs.
- \* For this, a clocked R-S flip flop is designed by adding two AND gates to a basic NOR gate flip flop.



Input			Output
clk	R	S	Q(t+1)
0	0	0	0
0	0	1	0
0	1	0	1
0	1	1	Indeterminate
1	0	0	1
1	0	1	0
1	1	0	1
1	1	1	Indeterminate

### 4. Class & Subject: II B.Sc (A & B) – Fundamentals of Computer Algorithms

Staff Name: Dr. B.Ashadevi

11:00 AM

II B.Sc A > All students >

Title

## Revision Test 23-09-2020

Description

Today u r having revision test in 4th hour. Complete the test and submit before 4.00 p. m today. |

Topic Fundamentals of Computer A...

Attachments

PDF Revision Test 23-09-2020

4:16 PM

## Revision Test...

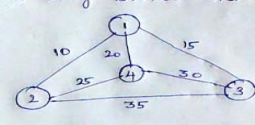
FCA - Revision Test 23.09.2020

1. Solve the following problem (Knapsack) Using Backtracking.

Item	A	B	C	D
Profit	280	100	120	120
Weight	40	10	20	24

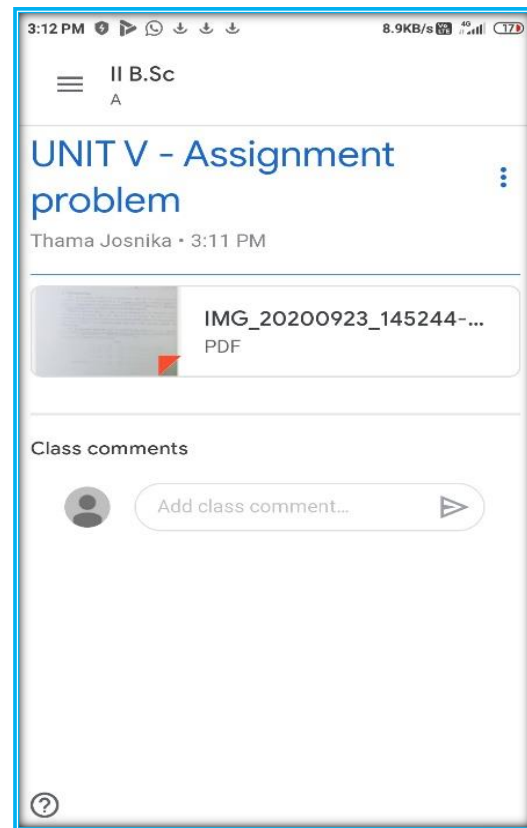
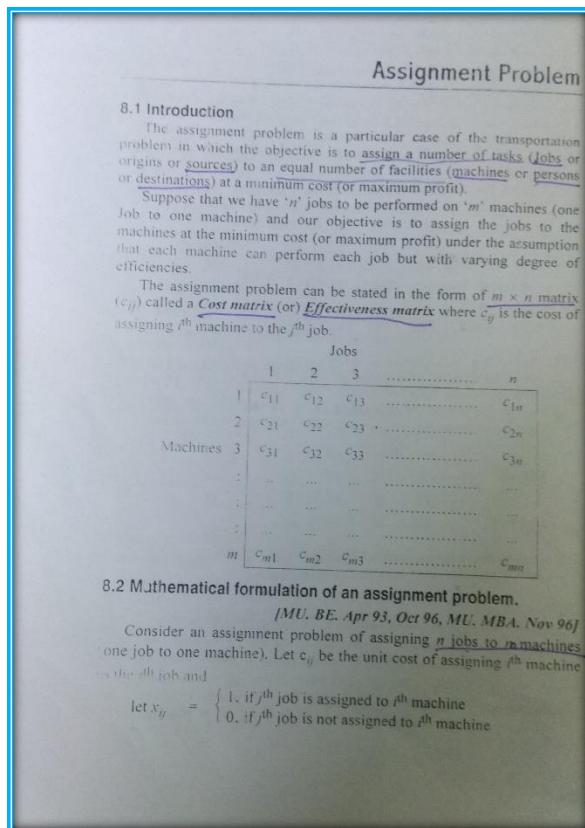
Knapsack Capacity (W) = 60

2. Solve the following Travelling salesman Problem Using Branch-and-Bound.



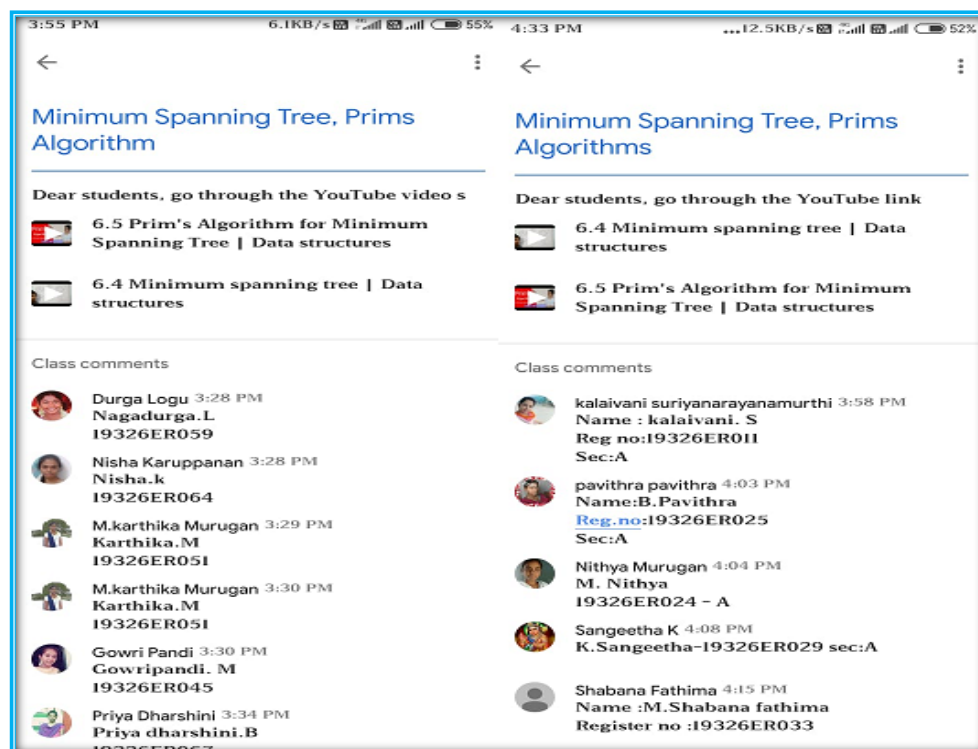
## 5. Class & Subject: II B.Sc (A & B) – Operations Research

Staff Name: Mrs. T.Thamayanthi



## 6. Class & Subject: II B.Sc (A & B)– Fundamentals of Data Structures

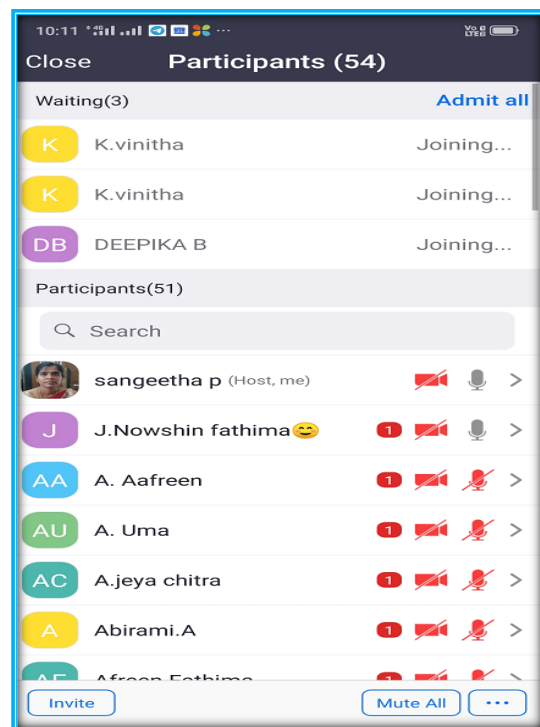
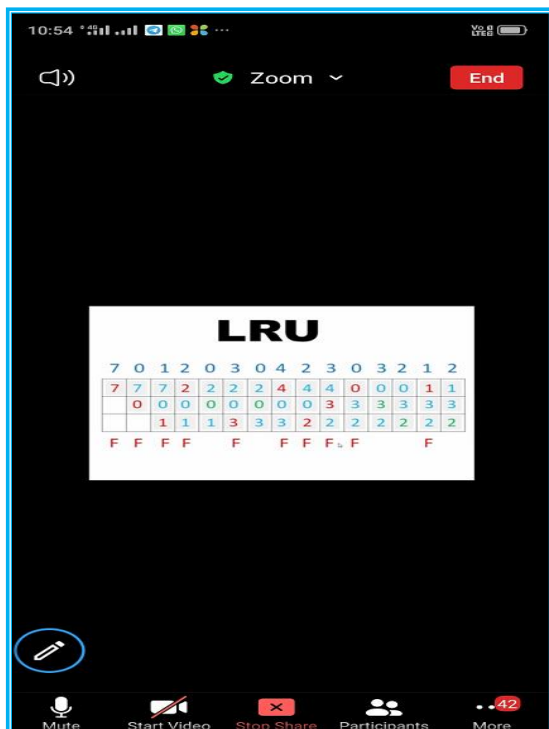
Staff Name: Dr.A.Subramani





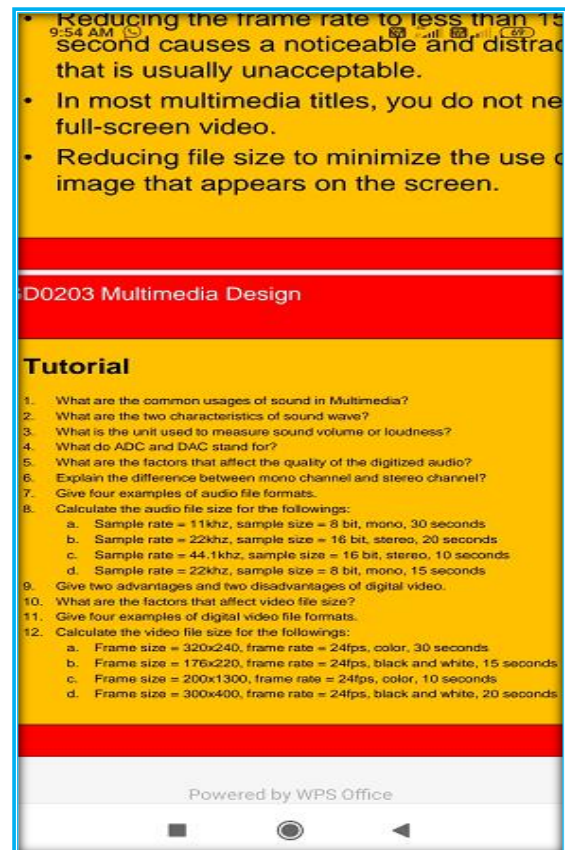
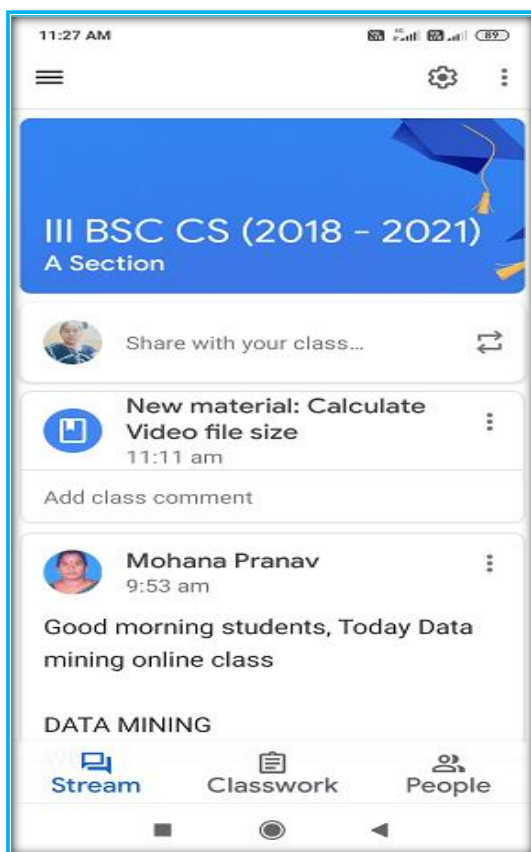
## 7. Class & Subject: III B.Sc (A & B) – System Software

Staff Name: Mrs. P.Sangeetha



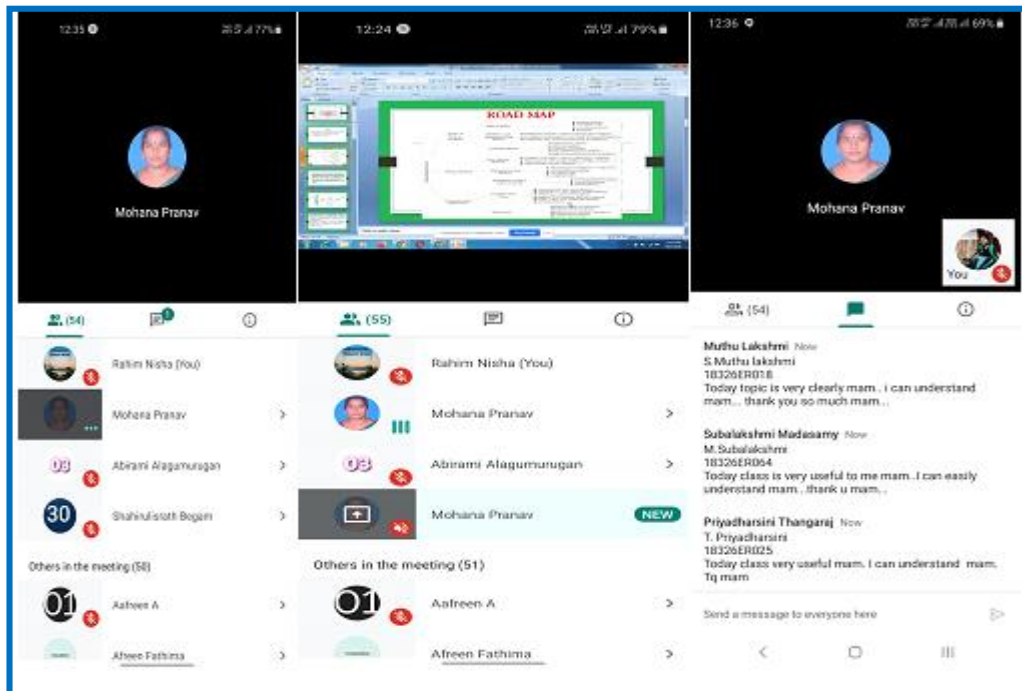
## 8. Class & Subject: III B.Sc (A & B) – Multimedia Technology and its Applications

Staff Name: Mrs. A.P.Nagalakshmi



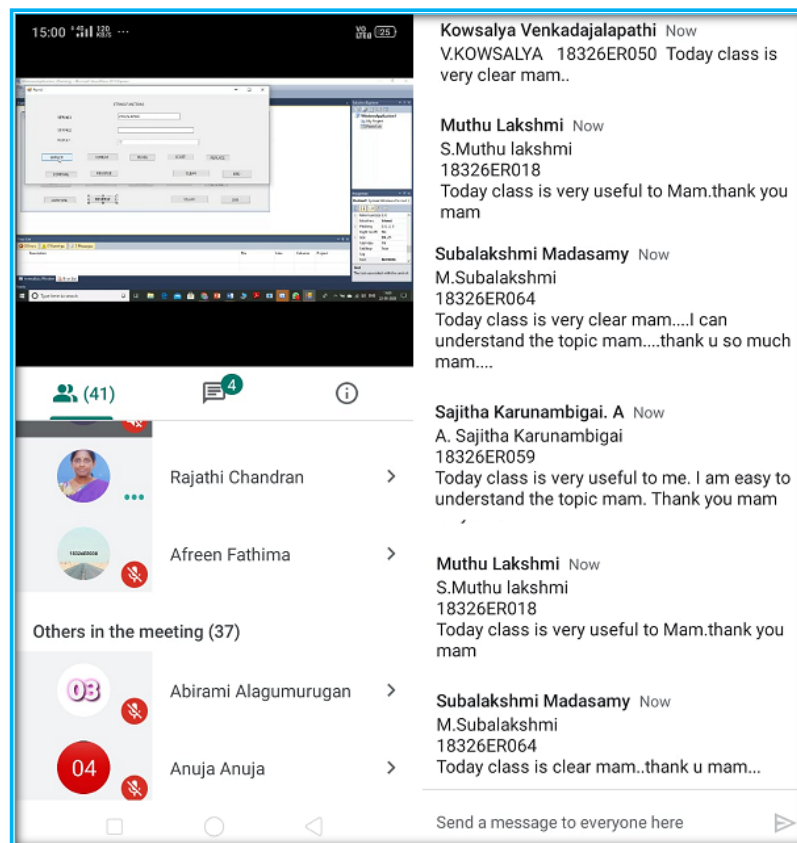
## 9. Class & Subject: III B.Sc (A & B) – Data Mining

Staff Name: Mrs. S.Mohanambal



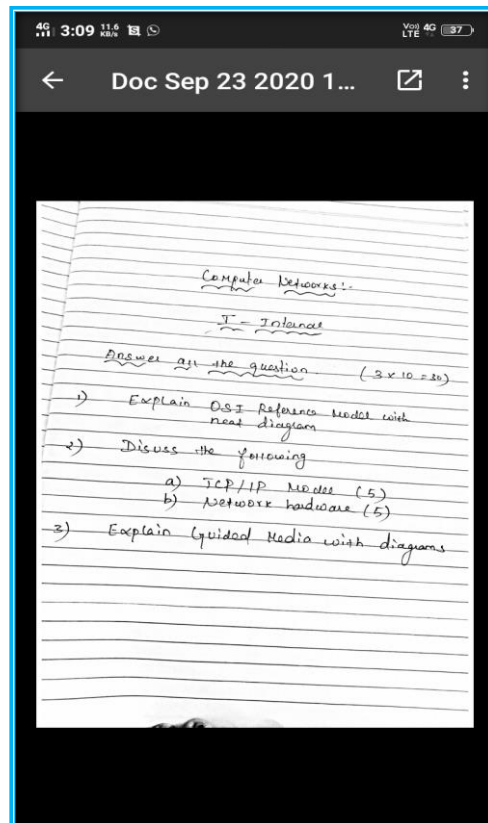
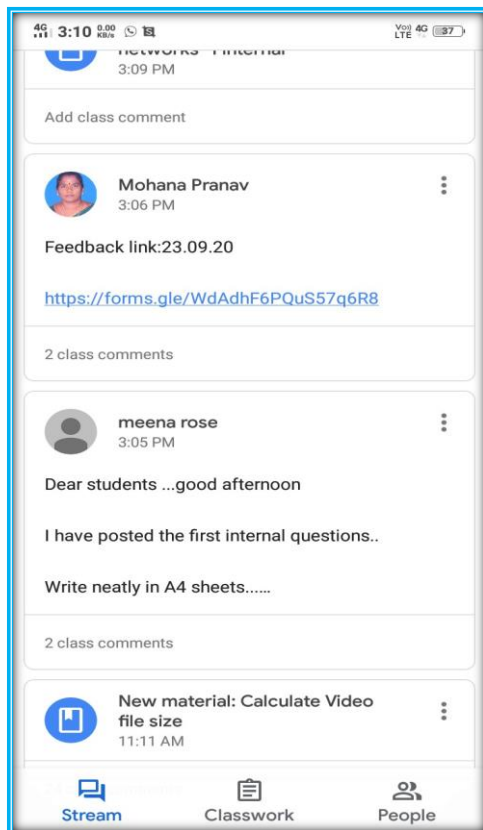
## 10. Class & Subject: III B.Sc (A & B) – Software Engineering

Staff Name: Mrs. S.Rajathi



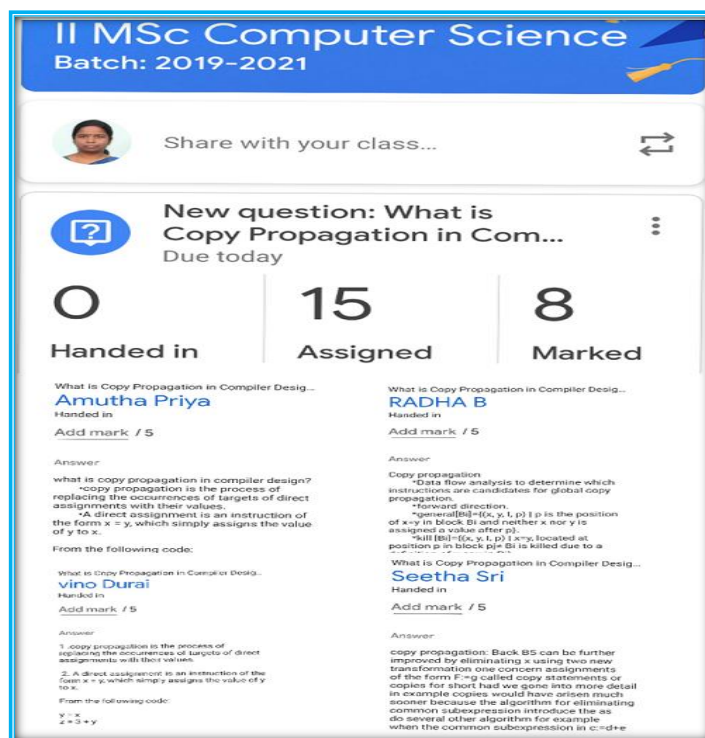
## 11. Class & Subject: III B.Sc (A & B) – Computer Networks

Staff Name: Mrs. S.Meena



## 12. Class & Subject: II M.Sc. – Compiler Design

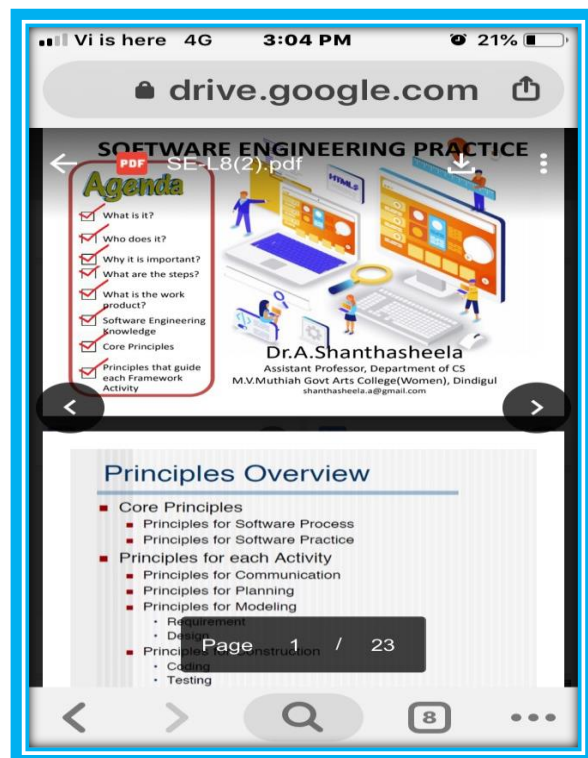
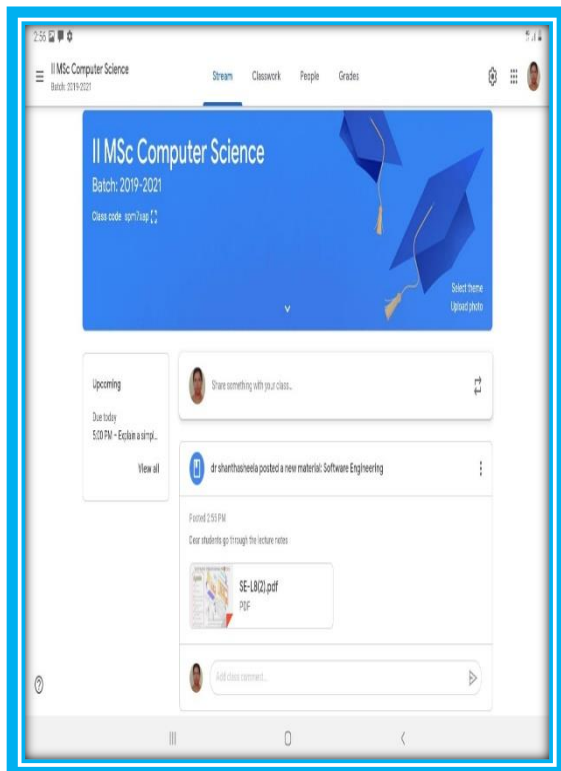
Staff Name: Ms. P.Muthamil Selvi





### 13. Class & Subject: II M.Sc – Software Engineering

Staff Name: Dr.A.Shanthasheela



Dr.S.Krishnaveni

Assistant Professor and Head

PG and Research Department of Computer Science

**M.V.MUTHIAH GOVERNMENT ARTS COLLEGE FOR WOMEN,  
DINDIGUL**

**DEPARTMENT OF CHEMISTRY**

**REPORT ON ONLINE CLASSES**

**EVEN SEMESTER**

**05.02.2021**

**1. Name of the Staff : Dr.M.Dhanalakshmi**  
**Designation : Assistant Professor and Head**

**I M.Sc. – II SEMESTER - INORGANIC CHEMISTRY II – UNITS I & V.**

**I M.Sc. – II SEMESTER - INORGANIC CHEMISTRY PRACTICALS**

**III B.Sc. – VI SEMESTER - GRAVIMETRIC ESTIMATION AND ORGANIC PREPARATION.**

**II M.Sc. – IV SEMESTER – PROJECT.**

S.No	Date/ Day Order	Hour	Class	Topic	Online platform	Total strength	No. present	No. absent
1.	05.02.2021 IV	I –VI  Gravimetric Estimation & Organic Preparation (UCHP64)	III B.Sc.	Gravimetric Estimation: Ex.No:1. Estimation Of Barium as Barium Chromate. Organic Preparation: Ex.No: 1.Hydrolysis I Preparation of Salicylic acid.	----- <b>21 Students came to College with all safety measures and performed the experiments in the laboratory.</b>	23	21	02



**Dr.M.Dhanalakshmi**  
**Assistant Professor and Head**

**2. Name of the Staff : Dr.P.Gnanasoundari**  
**Designation : Assistant Professor**

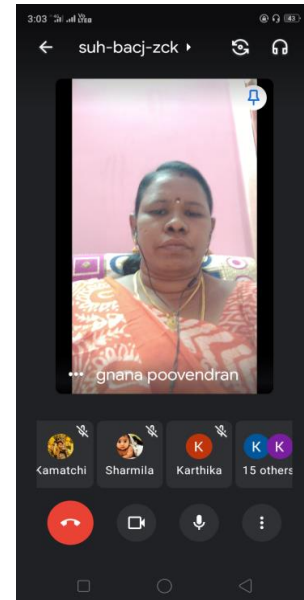
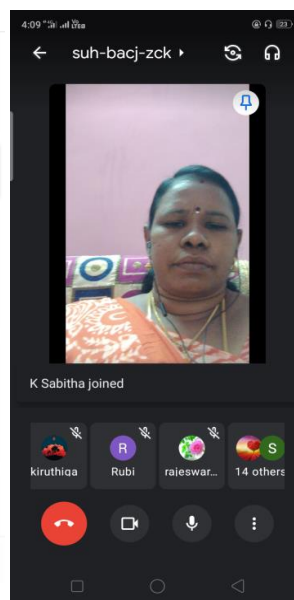
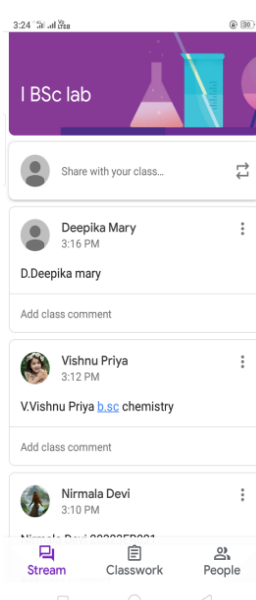
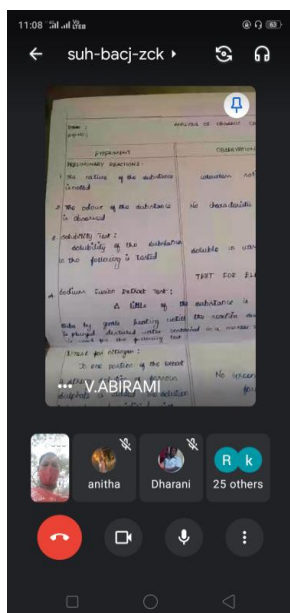
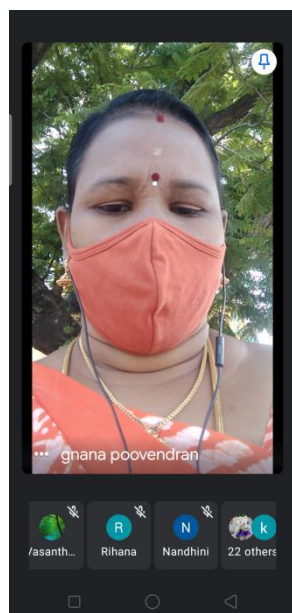
**I M.Sc. II SEMESTER – ORGANIC CHEMISTRY-II (UNIT – I - IV)**

**II M.Sc. IV SEMESTER – PROJECT**

**I B.Sc. II SEMESTER – VOLUMETRIC AND ORGANIC ANALYSIS LAB**

**III B.Sc. VI SEMESTER - PHYSICAL CHEMISTRY EXPERIMENTS**

S.No	Date/ Day Order	Hour	Class	Topic	Online platform	Total strength	No. present	No. absent
1.	05.02.2021 IV	I - III	I B.Sc.	<b>Test for carboxylic acids – mono &amp; di</b> <b>Test for Phenols</b> <b>Procedure explained</b> <ul style="list-style-type: none"> <li>- Procedure posted</li> <li>- Procedure written by the students-verified</li> </ul>	Google Meet	28	28	NIL
					Google classroom	28	28	NIL
					Google Meet	28	28	NIL
		V	I M.Sc.	Decalins	Google Meet	20	20	NIL
		VI	II M.Sc.	Revision-Structure of Proteins	Google Meet	20	18	02



**Dr.P.Gnanasoundari**  
**Assistant Professor**

**3. Name of the staff : Mrs. J.Jeyaseeli**  
**Designation : Guest lecturer**

**I M.Sc. II SEMESTER - PHYSICAL CHEMISTRY-II (UNIT- I-V)**

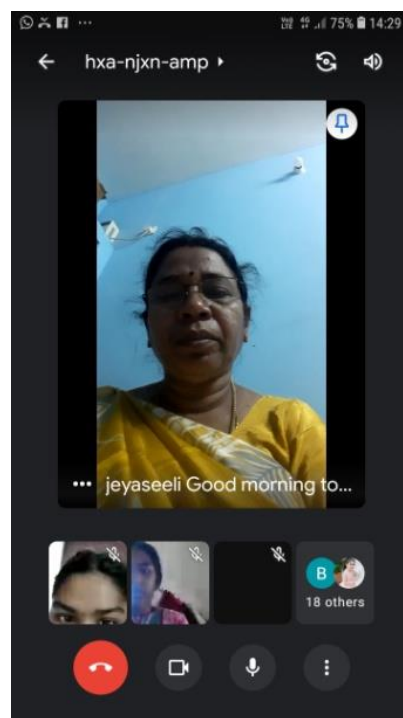
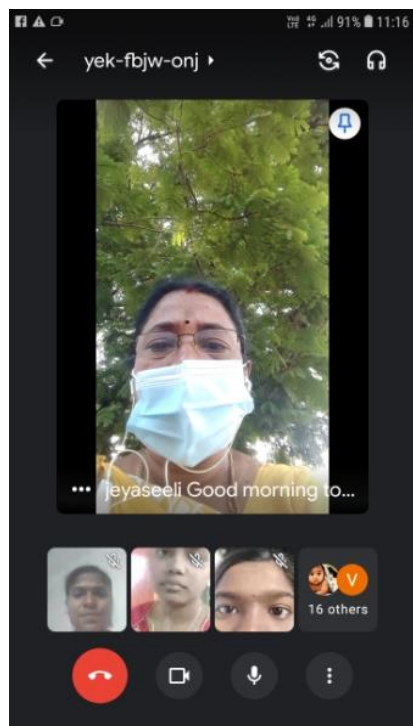
**II B.A/B.Sc./B.COM IV SEMESTER - NME (APPLIED CHEMISTRY PAPER-II) (UNIT – I - V)**

**II B.Sc. IV SEMESTER – INORGANIC QUALITATIVE ANALYSIS LAB**

**II B.Sc. BOTANY IV SEMESTER – VOLUMETRIC ANALYSIS LAB**

**II B.Sc. PHYSICS IV SEMESTER – VOLUMETRIC ANALYSIS LAB**

S.No	Date/ Day Order	Hour	Class	Topic	Online Platform	Total Strength	No. Present	No. Absent
1.	05.02.2021 IV	II	I M.Sc.	Quantum theory- Hermitian operator	Google meet	20	19	01
		III-V	II B.Sc. Botany	Explain about Estimation of Oxalic acid	Google meet	34	21	13



**Mrs.J.Jeyaseeli**  
**Guest Lecturer**



**4. Name of the Staff : Mrs.G.Nandhini**  
**Designation : Guest Lecturer**

**II M.Sc. IV SEMESTER – CHEMISTRY OF NATURAL PRODUCTS AND  
 BIOINORGANIC CHEMISTRY (UNIT – I - V)**

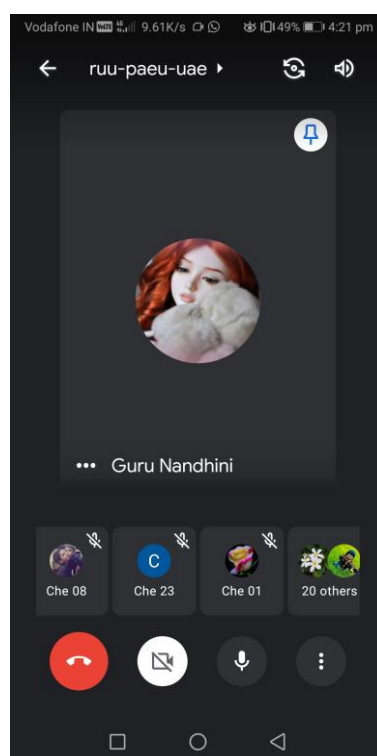
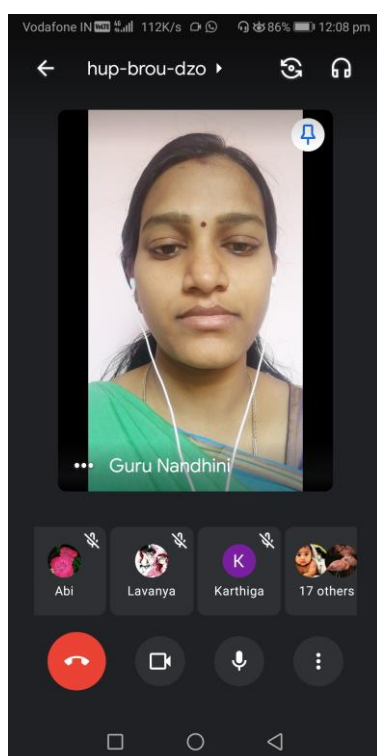
**I M.Sc. II SEMESTER – INORGANIC CHEMISTRY - II (UNIT – II, III & IV)**

**I M.Sc. II SEMESTER – ORGANIC CHEMISTRY - II (UNIT – V)**

**I M.Sc. II SEMESTER – ANALYTICAL TECHNIQUES (UNIT – I – V)**

**II B.Sc. IV SEMESTER – SBS - CLINICAL CHEMISTRY (UNIT – I - V)**

S.No	Date/ Day Order	Hour	Class	Topic	Online Platform	Total Strength	No. Present	No. Absent
1.	05.02.2021 IV	III & IV	I M.Sc.	Electron transfer reaction – Marcus Theory	Google Meet	20	20	NIL
		VI	II B.Sc.	Revision – Vitamins	Google Meet	24	23	01



**Mrs.G.Nandhini**  
**Guest Lecturer**

**5. Name of the staff : Mrs.A.Rincy**  
**Designation : Guest lecturer (PTA)**

**II M.Sc. IV SEMESTER - NANO CHEMISTRY AND SUPRAMOLECULAR CHEMISTRY (UNIT – I - V)**

**III B.Sc. VI SEMESTER - SBS - EVERYDAY CHEMISTRY (UNIT – I - V)**

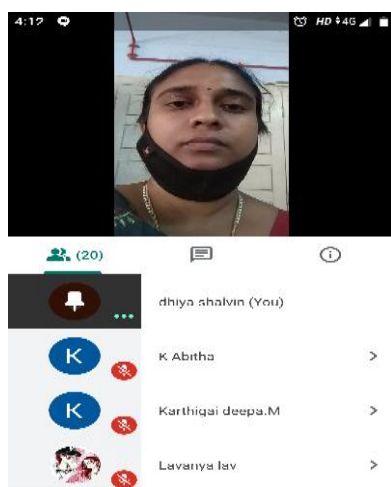
**III B.Sc. VI SEMESTER - GRAVIMETRIC ESTIMATION AND ORGANIC PREPARATION**

**II B.Sc. ZOOLOGY IV SEMESTER - VOLUMETRIC ANALYSIS LAB**

**II B.Sc. BOTANY IV SEMESTER - VOLUMETRIC ANALYSIS LAB**

**I M.Sc. II SEMESTER – LIBRARY**

S.No	Date/ Day Order	Hour	Class	Topic	Online Platform	Total Strength	No. Present	No. Absent
1.	05.02.2021 IV	I-V	III B.Sc.	Estimation of Barium as Barium chromate, Hydrolysis-I	-----	23	21 (21 Students came to College with Safety Measures and Performed Experiments In the Laboratory)	02
		VI	I M.Sc.	Revision for electron transfer reaction	Google meet	20	19	01



**Mrs.A.Rincy**  
**Guest Lecturer (PTA)**

**6. Name of the staff : Mrs.P.Bharathi**  
**Designation : Guest lecturer (PTA)**

**I B.Sc. II SEMESTER - GENERAL CHEMISTRY PAPER - III (UNIT - I – V)**

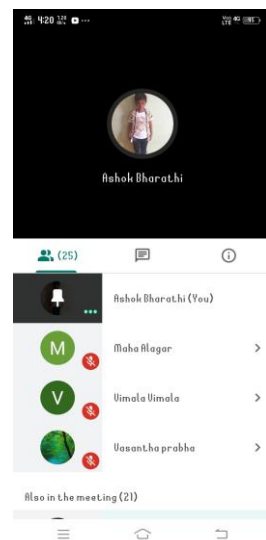
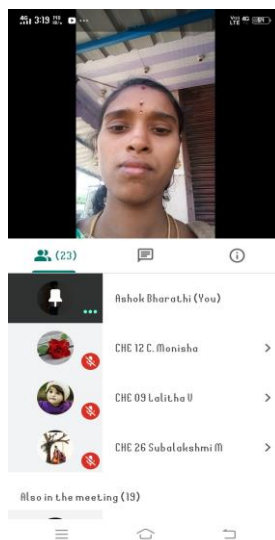
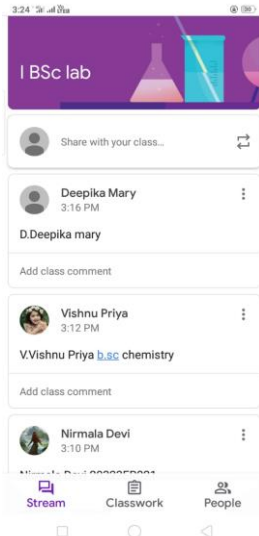
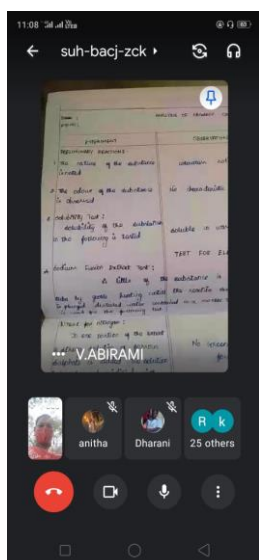
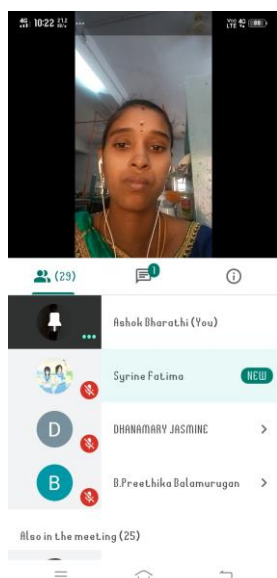
**II B.Sc. IV SEMESTER - INORGANIC CHEMISTRY (UNIT – I – V)**

**I B.Sc. II SEMESTER – PROFESSIONAL ENGLISH (UNIT - I - V)**

**I B.Sc. II SEMESTER – VOLUMETRIC & ORGANIC ANALYSIS LAB**

**II B.Sc. ZOOLOGY IV SEMESTER – VOLUMETRIC ANALYSIS LAB**

S.No	Date/ Day Order	Hour	Class	Topic	Online platform	Total strength	No. present	No. absent
1.	05.02.2021 IV	I - III	I B.Sc.	Test for carboxylic acid -mono and Di. Test for phenol procedure explained. -procedure posted - procedure written by the students verified	Google meet	28	28	NIL
					Google class room	28	28	NIL
					Google class room	28	28	NIL
		V	II B.Sc.	Super conductor.	Google meet	24	22	2
		VI	I B.Sc.	Critical thinking skills	Google meet	28	24	4

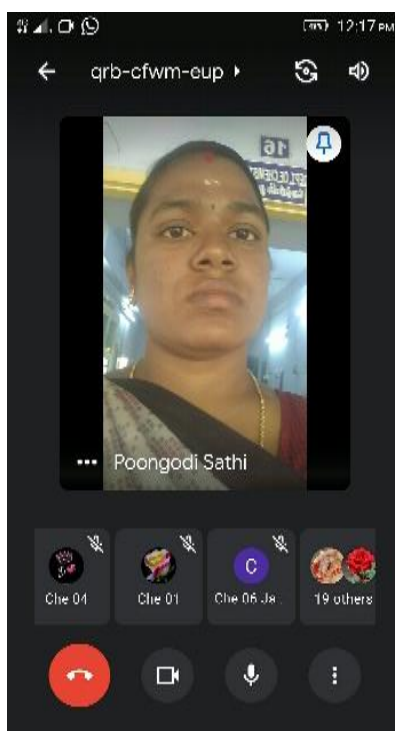
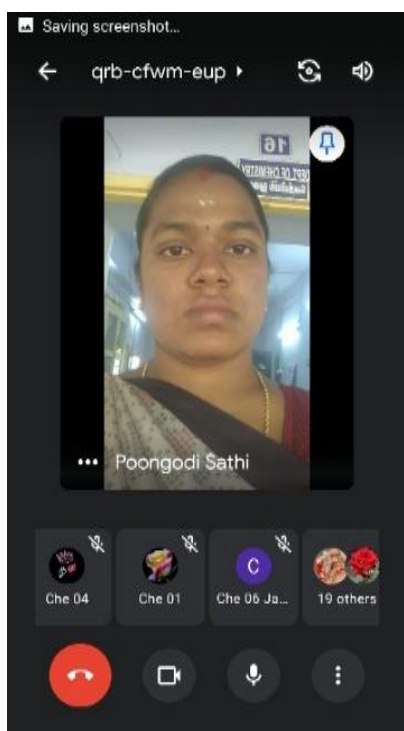


**Mrs.P.Bharathi**  
**Guest lecturer (PTA)**

**7. Name of the staff : Mrs.M.Poongodi**  
**Designation : Guest lecturer (PTA)**

III B.Sc. VI SEMESTER – ORGANIC CHEMISTRY (UNIT - I-V)  
 III B.Sc. VI SEMESTER - NANOSCIENCE AND TECHNOLOGY (UNIT – I, II & V)  
 II B.Sc. IV SEMESTER - MEDICINAL CHEMISTRY (UNIT - I – V)  
 I B.Sc. II SEMESTER – ENVIRONMENTAL STUDIES (UNIT – IV & V)  
 I M.Sc. II SEMESTER - INORGANIC CHEMISTRY PRACTICAL  
 II B.Sc. IV SEMESTER – INORGANIC QUALITATIVE ANALYSIS

S.No	Date/Day Order	Hour	Class	Topic	Online Platform	Total Strength	No. Present	No. Absent
1.	05.02.2021 IV	III & IV	II B.Sc.	Vitamin A, Vitamin B	Google meet	24	23	01

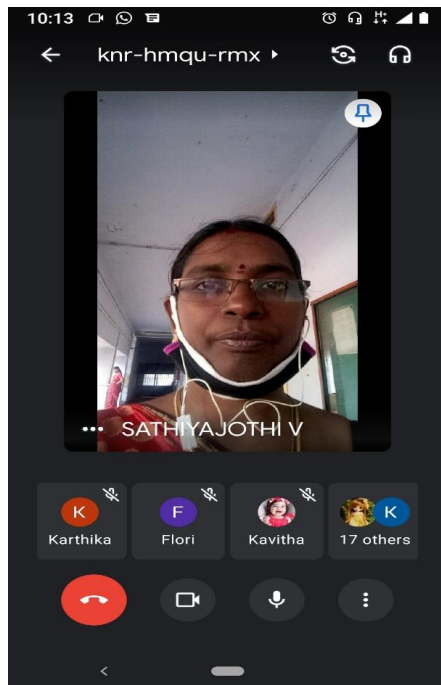


**Mrs.M.Poongodi**  
**Guest lecturer (PTA)**

**8. Name of the staff : Mrs.V.Sathiyajothi**  
**Designation : Guest lecturer (PTA)**

III B.Sc. VI SEMESTER - INDUSTRIAL CHEMISTRY (UNIT- I-V)  
 III B.Sc. VI SEMESTER - PHYSICAL CHEMISTRY- II (UNIT- I-V)  
 III B.Sc. VI SEMESTER - NANOSCIENCE AND TECHNOLOGY (UNIT- III & IV)  
 I B.Sc. II SEMESTER – ENVIRONMENTAL STUDIES (UNIT – I - III)  
 III B.Sc. VI SEMESTER – PHYSICAL CHEMISTRY EXPERIMENTS  
 II B.Sc. PHYSICS IV SEMESTER – VOLUMETRIC ANALYSIS LAB

S.No	Date/ Day Order	Hour	Class	Topic	Online Platform	Total Strength	No. Present	No. Absent
1.	05.02.2021 IV	I	I M.Sc.	Nomenclature of co-ordination complexes	Google meet	20	20	NIL



**Mrs.V.Sathiyajothi**  
**Guest lecturer (PTA)**





## ONLINE CLASS REPORT

Department of **English**

M.V.Muthiah Government Arts College for Women,

Dindigul

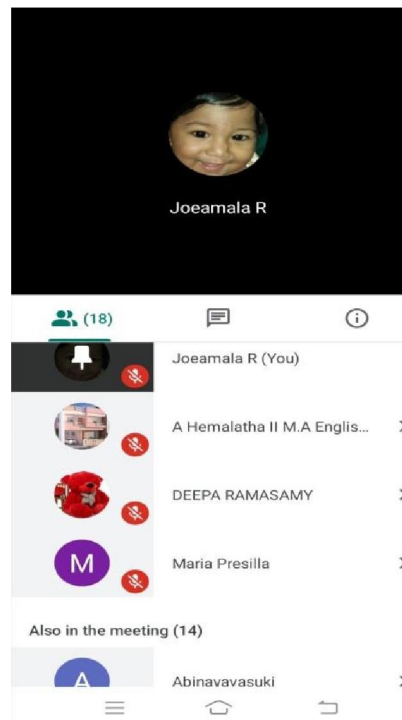
Date: 08.09.2021

### PICTURES OF TEACHERS TAKING CLASS THROUGH GOOGLE MEET

(Shift I)

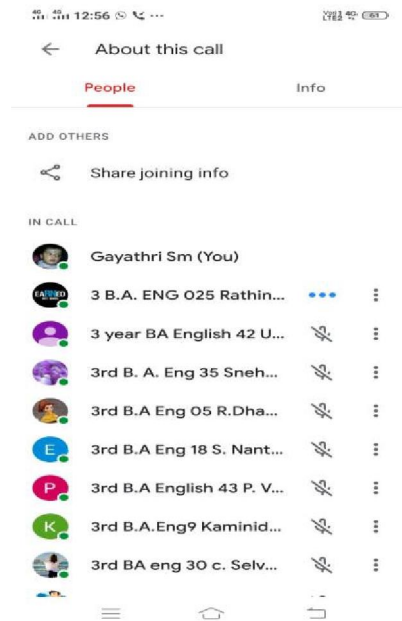
Mrs. R.Joeamala taking class for II MA English

<https://meet.google.com/oxg-cggv-jyd>



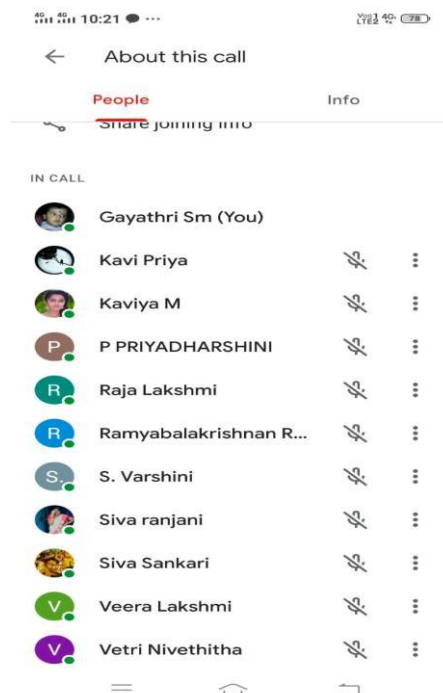
Mrs. SM. Gayathri taking class for III BA English

<https://meet.google.com/iov-mxgf-gkb>



Mrs. SM. Gayathri taking class for II BA English

<https://meet.google.com/iov-mxgf-gkb>

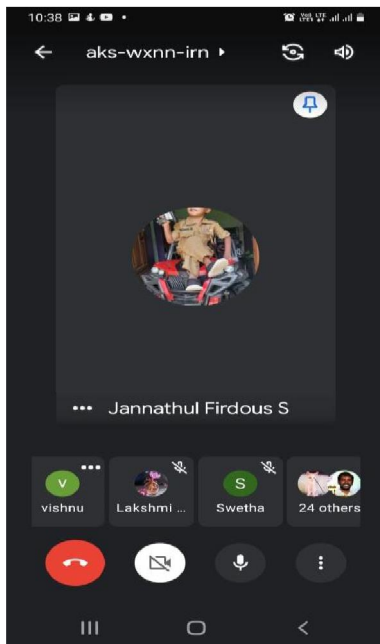


## PICTURES OF TEACHERS TAKING CLASS THROUGH GOOGLE MEET

(Shift II)

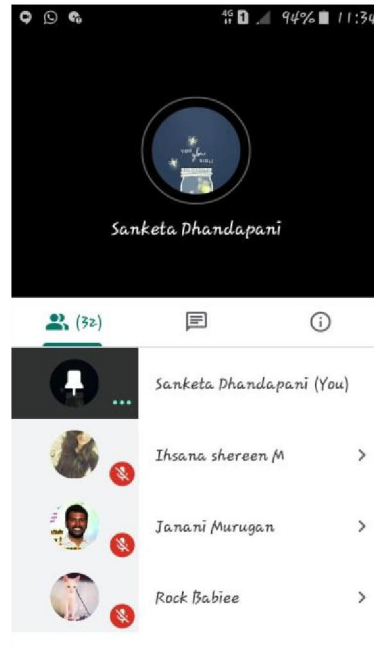
Mrs. S.Jannathul Firdous taking class  
for III BA English

<https://meet.google.com/aks-wxnn-irn>



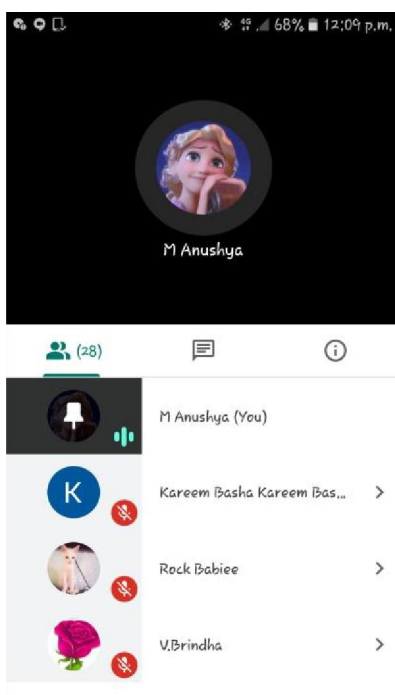
Ms. D. Sangeetha taking class  
for III BA English

<https://meet.google.com/cre-buvz-igf>



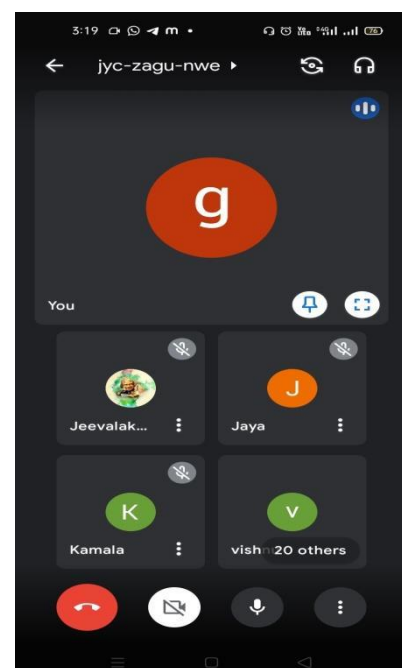
Ms. M.Anushya taking class  
For III BA English

<https://meet.google.com/yku-dtdu-dux>



Mrs. R. Gayathiri taking class for  
III BA English

<https://meet.google.com/jyc-zagu-nwe>



**M.V.Muthiah Government Arts College for Women, Dindigul**

**Department of Geography**

**The online classes on 26.11.2020**

As per the time table, the details of the online classes are attached herewith

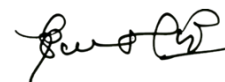
**Online Classes Time Table**

26.11.2020					
Time	10-11am	11am-12pm	12pm-1pm	2-3pm	3-4pm
II M.Sc	Mrs.PK	Dr.CF	Mrs.MJ	Dr.JT	Dr.JT
IM.Sc	Dr.JT	Mrs.MJ	Mrs.SS	Dr.CF	Dr.CF
III B.Sc EM	Mrs.RG	Dr.MK	Mrs.RG	Dr.JM	Mrs.RG
III B.Sc, TM	Dr.JV	Dr.JM	Dr.MK	Dr.RP	Mrs.PK
II B.Sc EM	TAM	ENG	ALLIED	Mrs.PK	Dr.JV
II B.Sc TM	TAM	ENG	ALLIED	Dr.MK	Dr.JM
I B.Sc EM	Dr.RP	ALLIED	Mrs.PK	ENG	TAM
I B.SCTM	ALLIED	Mrs.MJ	Mrs.PK	ENG	TAM

**Department of Geography**

**Students attended the online classes on 26.11.2020**

Class	Total No. of Students	No. of. Students Present	No. of. students Absent	% of students attended online classes
II M.Sc	20	13	7	65
I M.Sc	10	9	1	90
III B.Sc E/M	33	26	7	79
III B.Sc T/M	27	23	4	85
II B.Sc E/M	32	27	5	84
II B.Sc T/M	30	24	6	80
I B.Sc E/M	36	26	10	72
I B.Sc T/M	36	28	8	76

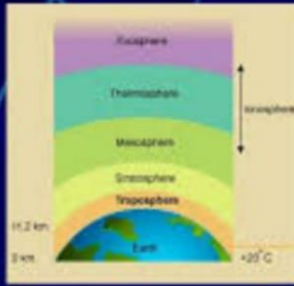


**Dr. J. Thenmozhi**  
**Head of the Department**





## Structure of the Atmosphere

- Scientists who study the atmosphere are called meteorologists.
- They have found that the atmosphere is striated, that is, it has several different layers.
- Each layer differs from the others in:
  - 1. temperature,
  - 2. chemical composition,
  - 3. physical properties.



## Composition and Structure of Earth's Atmosphere

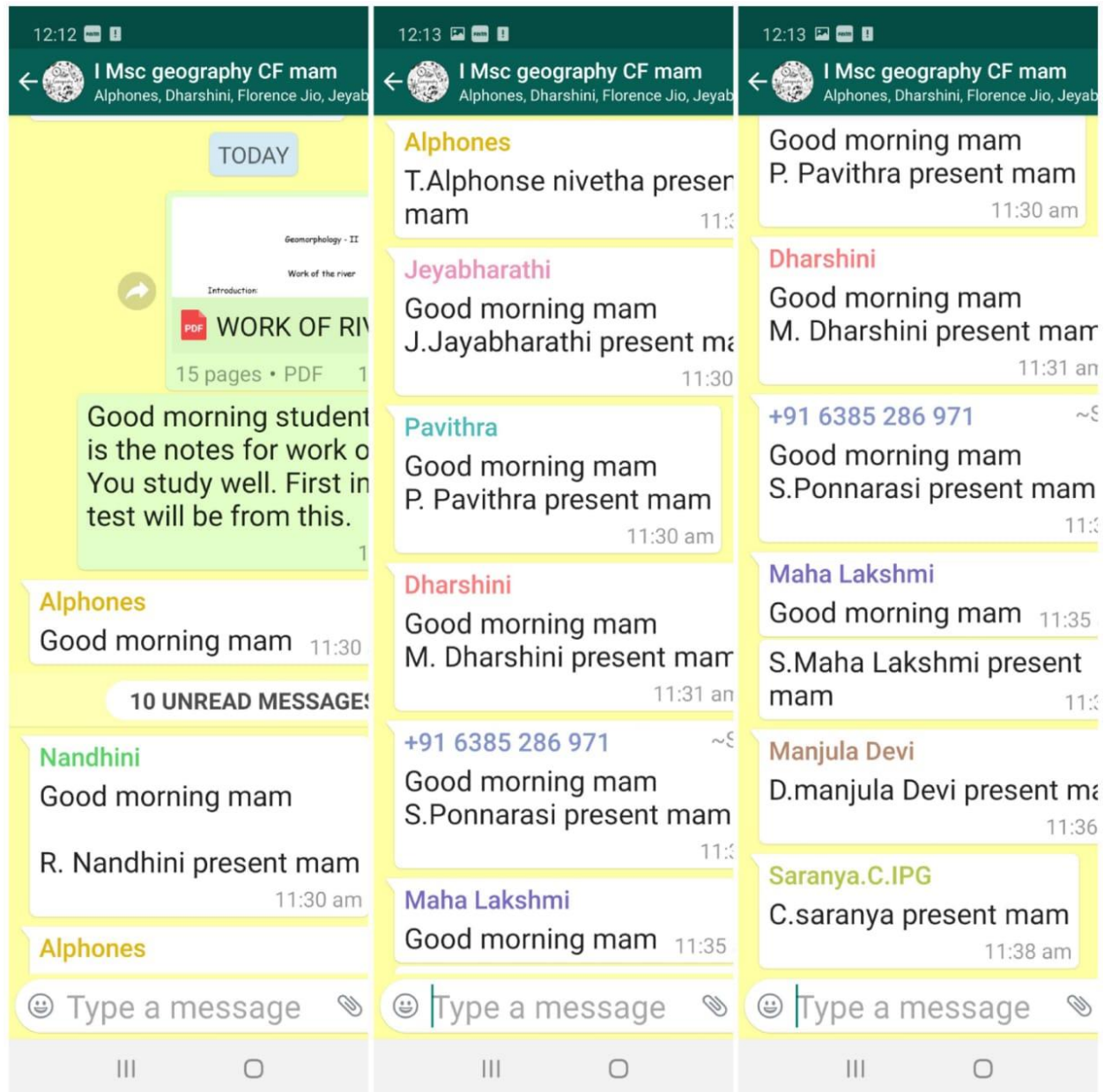
- A mixture of gases with some suspended solids (dust, salt, ice) and liquids (water droplets in clouds).
- Extends from surface to outer space – hundreds of km's.
- Very thin layer around Earth

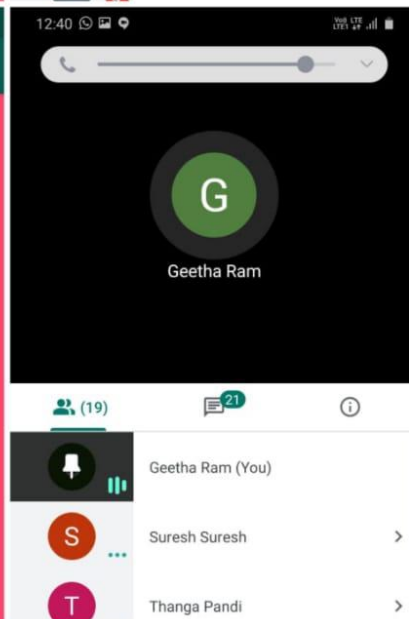
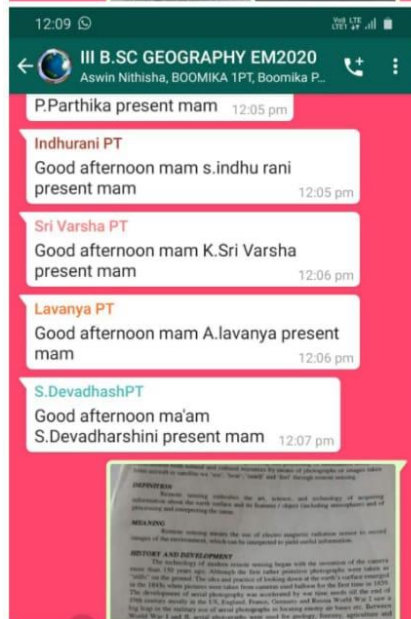
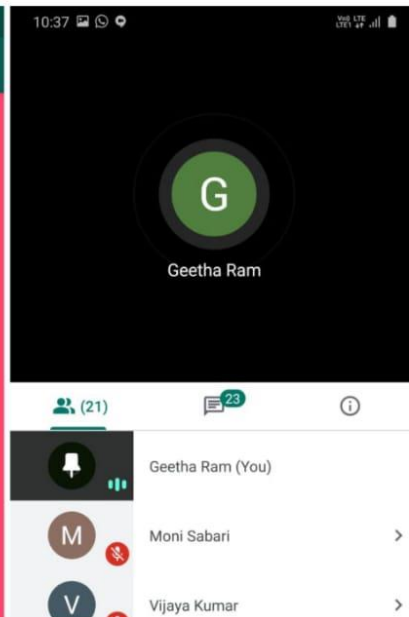




6:46

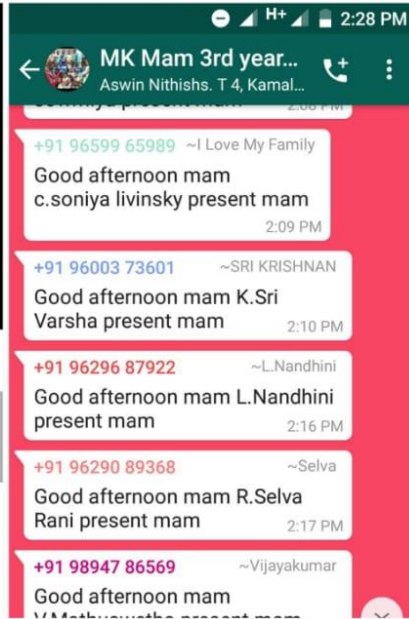
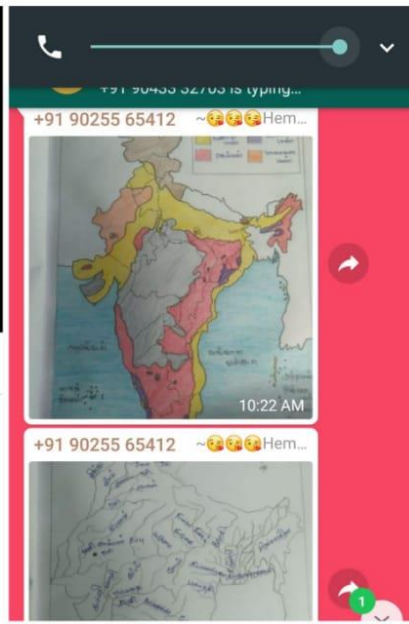
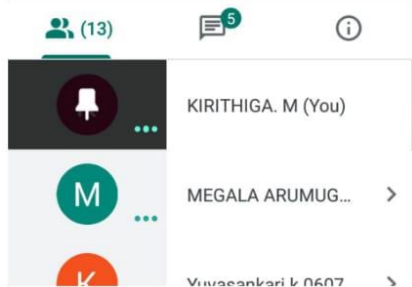
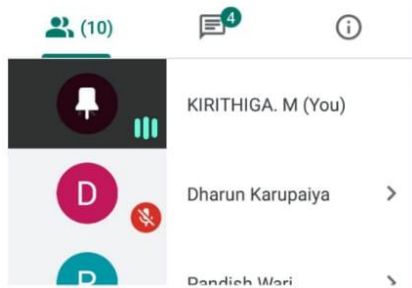
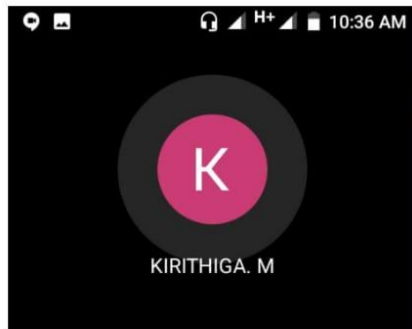
all / 8%

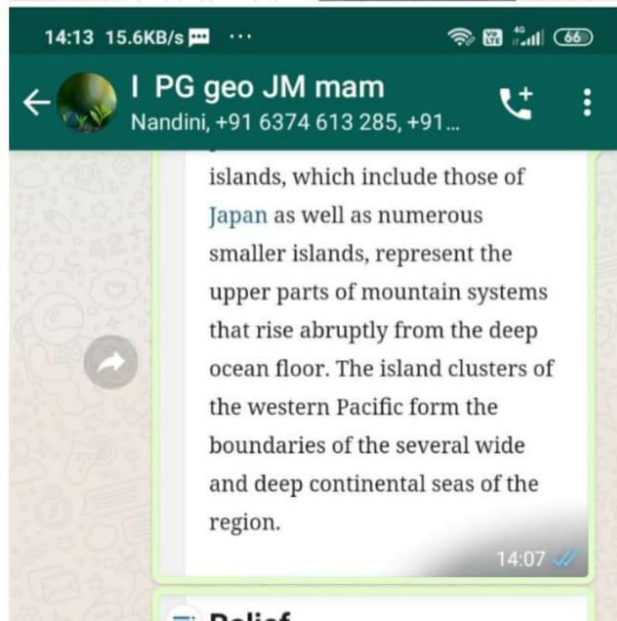
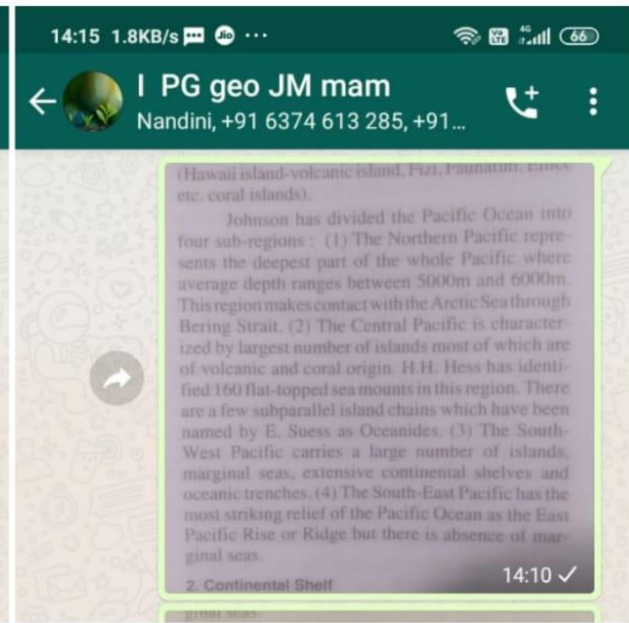
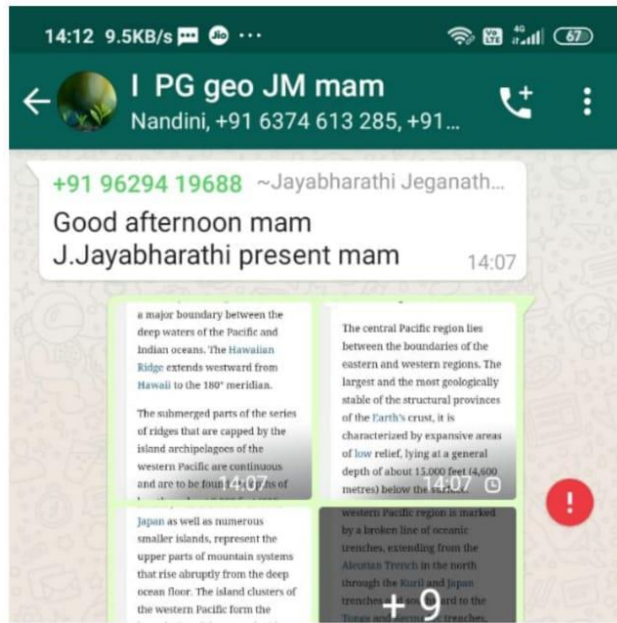
## Atmosphere Layers Diagram PowerPoint Template



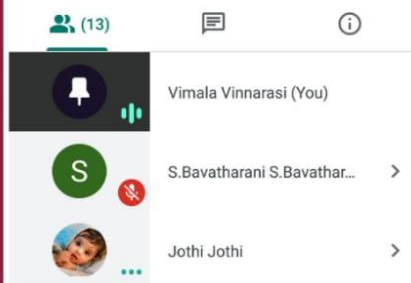
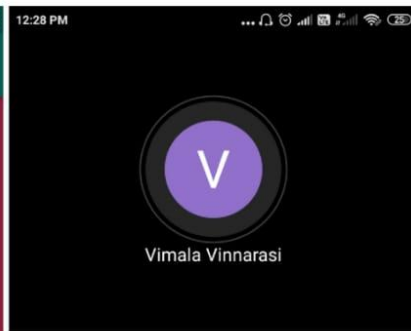
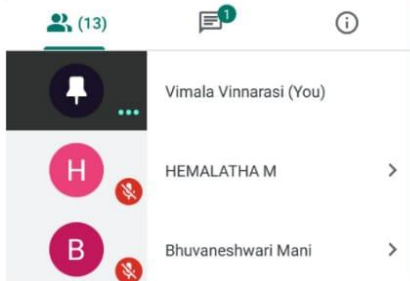
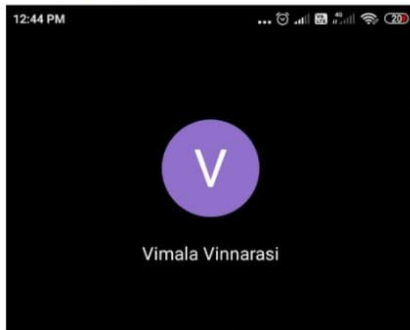
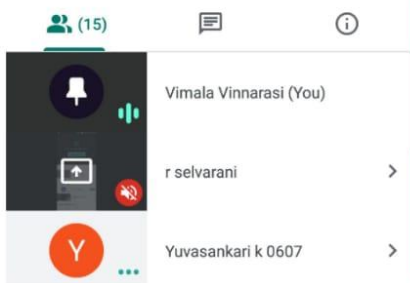
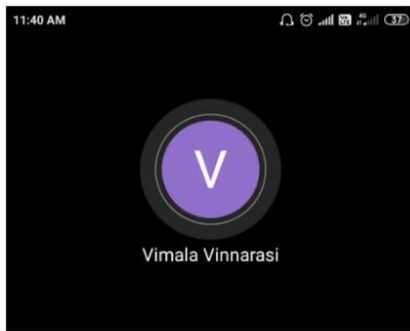












% Volume	# Of Parts	Unit
78.1%	78 parts per	Hundred
20.9%	21 parts per	Hundred
14%	9 parts per	Thousand
1%	400 parts per	million
139%	370 parts per	million
1182%	18 parts per	Million
10524%	5 parts per	Million
101842%	2 parts per	Million
10114%	1 part per	Million
101%	1 part per	million
100315%	315 parts per	billion
1002%	200 parts per	billion
100087%	87 parts per	billion
10005%	34 parts per	billion
10002%	20 parts per	billion
10002%	20 parts per	billion
10001%	10 parts per	billion
100003%	3 parts per	billion
100003%	3 parts per	billion
100002%	2 parts per	billion
1000015%	2 parts per	billion
100001%	1 part per	billion

## Composition of the

### Permanent constituents

- Gases that remain essentially constant
- Nitrogen, Oxygen, Argon, Neon, Helium

### Variable constituents

- Gases that have changing concentrations
- Water vapour, carbon dioxide, methane
- Water vapor is < 0.25% in the atmosphere - surface values vary (<1% in mid-latitudes) – found only in liquid form
- CO<sub>2</sub> level 390 ppm (mass) and growing
- Ozone concentration near the surface it can reach 15 ppm in the upper atmosphere

### Aerosols

- Dust, smoke, ash, pollen, microbes, sea droplets, ice crystals, H<sub>2</sub>SO<sub>4</sub>, etc.

### Atmosphere

Atmospheric science is the study of

- atmosphere and its processes and phenomena
- effects of atmosphere on other systems and effects of other systems on the atmosphere

Atmosphere is an envelope or blanket of air extending upto and beyond 600 km

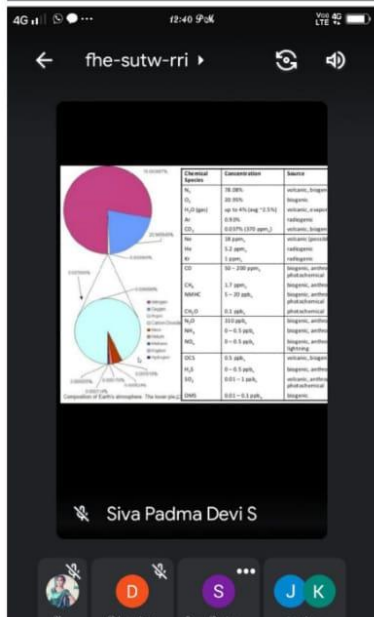
- When the earth is scaled down to the size of an apple, its atmosphere is no thicker than the skin on the apple
- Gravitational pull holds the earth's atmosphere in place and relatively thicker at equator and thinner at poles
- Atmosphere has no top – it gradually thins out with altitude

Atmosphere is mixture of permanent and variable gases (major trace gases) and aerosols (liquid droplets and solid particulate)

- Primitive atmosphere was reduced and had H<sub>2</sub>, He, CH<sub>4</sub> & NH<sub>3</sub>
- Volcanoes contributed N<sub>2</sub> and Argon
- Life produced oxygen and cycled carbon

Atmosphere drives the weather and the climate

Siva Padma Devi S



Chemical Species	Concentration	Source
N <sub>2</sub>	78.08%	volcanic,
O <sub>2</sub>	20.95%	biogenic
H <sub>2</sub> O (gas)	up to 4% (avg ~2.5%)	volcanic,
Ar	0.93%	radiogeni
CO <sub>2</sub>	0.037% (370 ppm <sub>v</sub> )	volcanic,
Ne	18 ppm <sub>v</sub>	volcanic (
He	5.2 ppm <sub>v</sub>	radiogeni
Kr	1 ppm <sub>v</sub>	radiogeni
CO	50 – 200 ppm <sub>v</sub>	biogenic,
CH <sub>4</sub>	1.7 ppm <sub>v</sub>	photoche
NMHC	5 – 20 ppb <sub>v</sub>	biogenic,
CH <sub>2</sub> O	0.1 ppb <sub>v</sub>	photoche
N <sub>2</sub> O	310 ppb <sub>v</sub>	biogenic,
NH <sub>3</sub>	0 – 0.5 ppb <sub>v</sub>	biogenic,
NO <sub>x</sub>	0 – 0.5 ppb <sub>v</sub>	biogenic,
OCS	0.5 ppb <sub>v</sub>	volcanic,
H <sub>2</sub> S	0 – 0.5 ppb <sub>v</sub>	biogenic,
SO <sub>2</sub>	0.01 – 1 ppb <sub>v</sub>	volcanic,
DMS	0.01 – 0.1 ppb <sub>v</sub>	biogenic

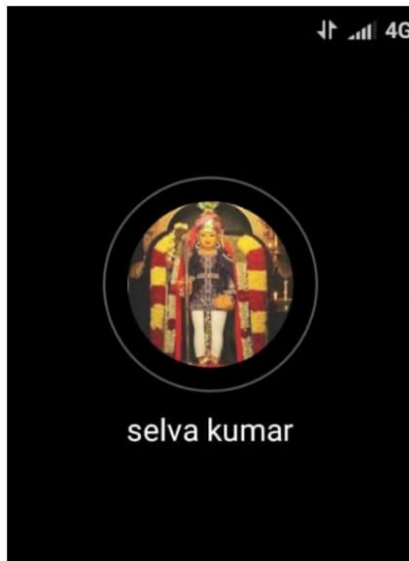
## Atmos

Atmospheric science is the study of

- atmosphere and its processes and
- effects of atmosphere on other systems on the atmosphere

Atmosphere is an envelope or blank beyond 600 km

- When the earth is scaled down to the size of an apple, its atmosphere is no thicker than the skin on the apple
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  - Atmosphere has no top – it gradually thins out with altitude
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  - Life produced oxygen and cycled carbon
- Atmosphere drives the weather and the climate



selva kumar

5)



selva kumar (You)

Jaya Ram

Dharshini Dharshini

Ponnarasi

GEOGRAPHY I PG GRO...  
C. Saranya I, Dharshini, Jeyabhara...

Meeting URL: <https://meet.google.com/kyi-ukyz-ryh>

Lakshmi I PG  
a Lakshmi present mam 2:11 PM

ini I PG  
dhini present mam 2:11 PM

nozhi I PG  
nozhi present mam 2:11 PM

nse I P G  
onse nivetha present mam 2:11 PM

Devi D I P G  
ula Devi present mam 2:12 PM

ARASI I P G  
arasi present mam 2:12 PM

arathi J I PG  
bharathi present mam 2:15 PM

ie a message



GEOGRAPHY I PG GRO...  
C. Saranya I, Dharshini, Jeyabhara...

nozhi I PG  
nozhi present mam 2:11 PM

nse I P G  
onse nivetha present mam 2:11 PM

Devi D I P G  
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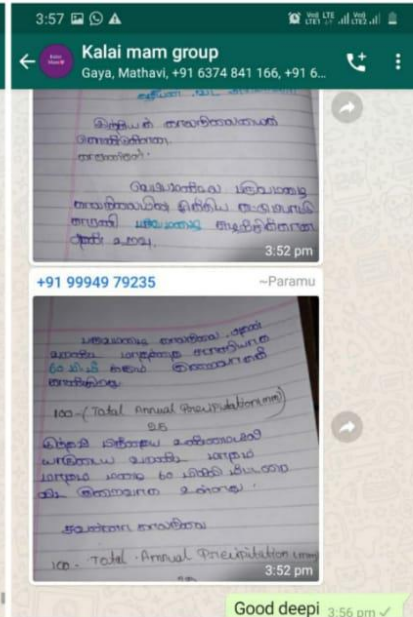
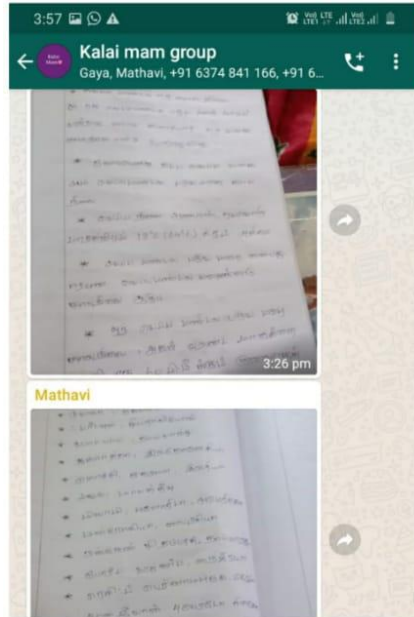
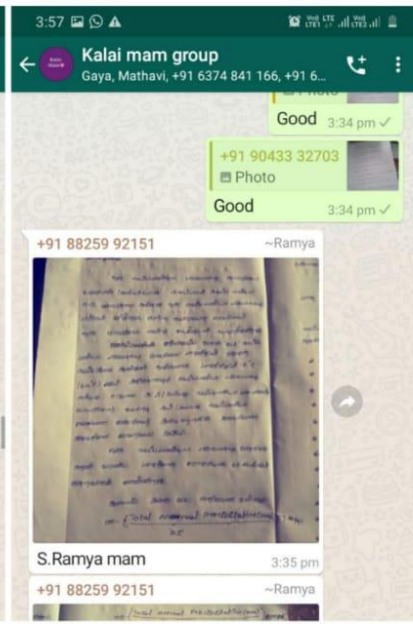
cultural imperialism | Definition, Hi  
Examples, & Facts  
Cultural imperialism, the imposition  
[www.britannica.com](https://www.britannica.com)

<https://www.britannica.com/to/cultural-imperialism>

ie a message







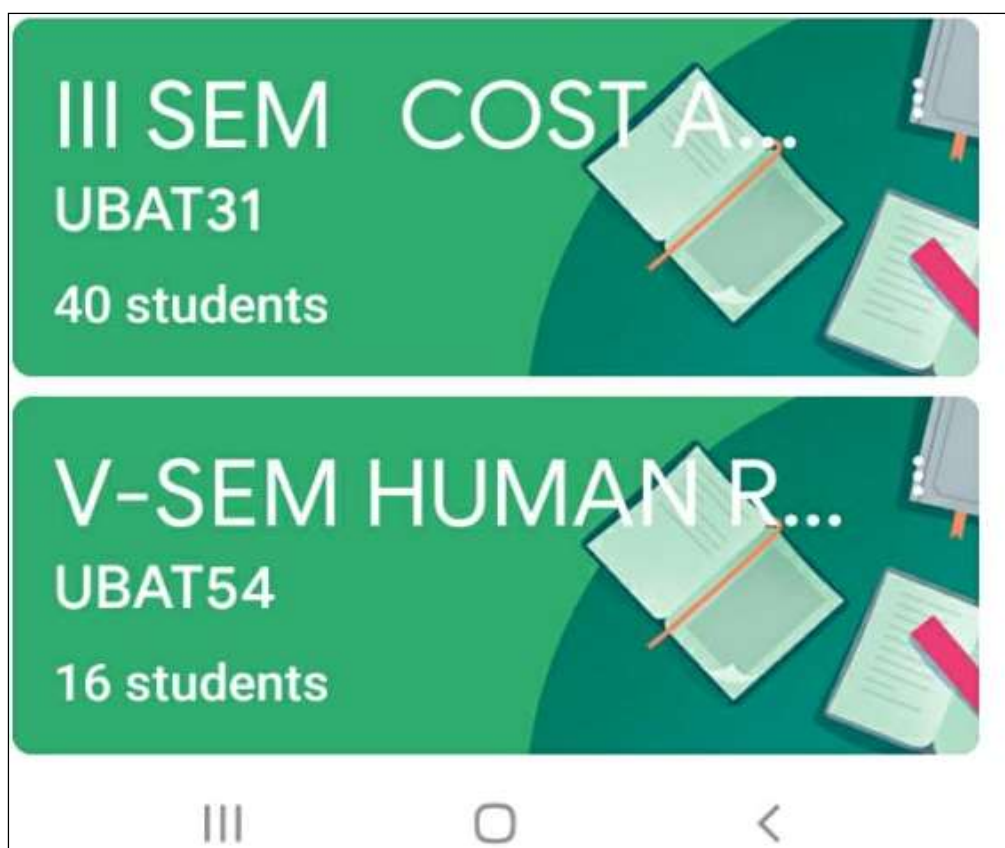
**M.V. MUTHIAH GOVERNMENT ARTS COLLEGE FOR WOMEN.**

**DEPARTMENT OF BUSINESS ADMINISTRATION.**

**REPORT ON ONLINE CLASSES (04/07/2020)**

S.NO	YEAR	CLASS STRENGTH(EXCLUDING LONG ADSENT)	PRESENT FOR ONLINE CLASS	ABSENT
1.	IIYEAR	43	40	3
2.	IIIYEAR	20	16	4

- GOOGLE CLASSROOM.
- NO OF STAFF AVAILABLE-1



## Department of Commerce

II M.Com(2020-22 Batch)  
Indirect taxation



Share with your class...



reni prishka  
Dec 18, 2021



Give attendance here at 12.15pm

18 class comments

III B.Com shift 1  
2018-21 Batch



Share with your class...



pothum ponnu  
Jan 12, 2021



EDP(III A)-20  
2018-21 Batch



Share with y



reni prishka  
Apr 9, 2021

Revise

Give attendance her

35 class comments



reni prishka  
Apr 8, 2021

Revise

Give attendance her

26 class comments



reni prishka  
Mar 31, 2021

Girls revise unit 5

Put special effort to



**M. V. MUTHIAH GOVERNMENT ARTS COLLEGE FOR WOMEN.**

**DINDIGUL**

**DEPARTMENT OF ZOOLOGY- ONLINE CLASS REPORT-**

**20.02.2021 STUDENTS ATTENDANCE**

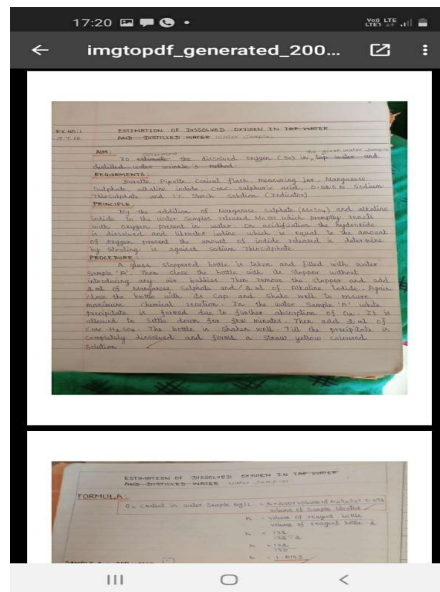
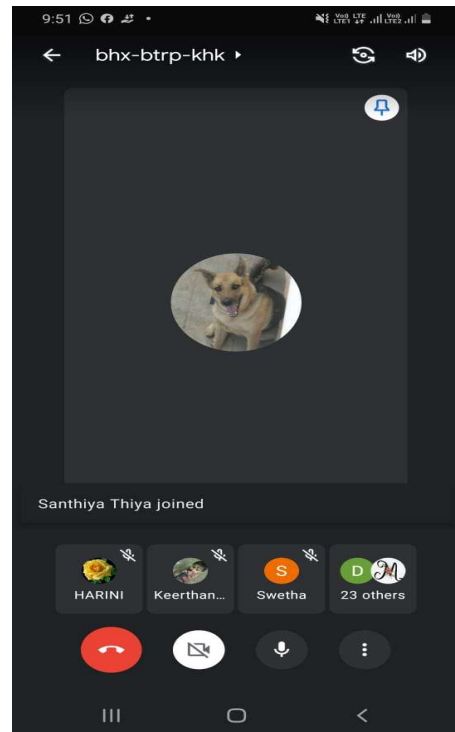
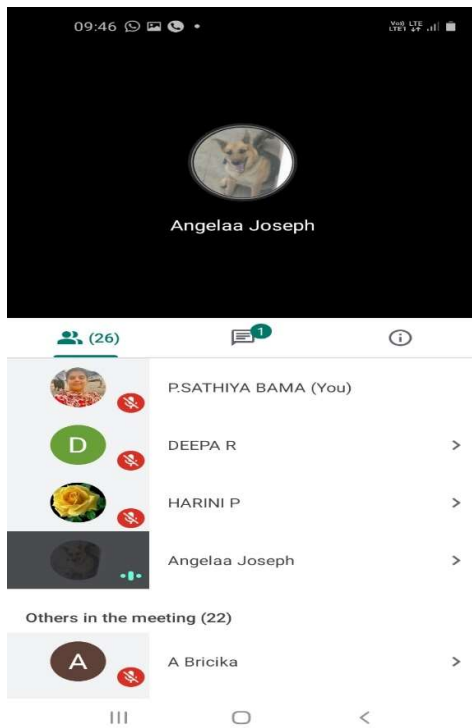
<b>I B.Sc</b>		<b>II B.Sc</b>		<b>III B.Sc</b>		<b>I M.Sc</b>		<b>II M.Sc</b>		<b>Total</b>	<b>Present</b>	<b>Percentage</b>
TOTAL	PRESENT	TOTAL	PRESENT	TOTAL	PRESENT	TOTAL	PRESENT	TOTAL	PRESENT			
31	25	27	25	31	26	16	11	18	16	123	103	83.73%

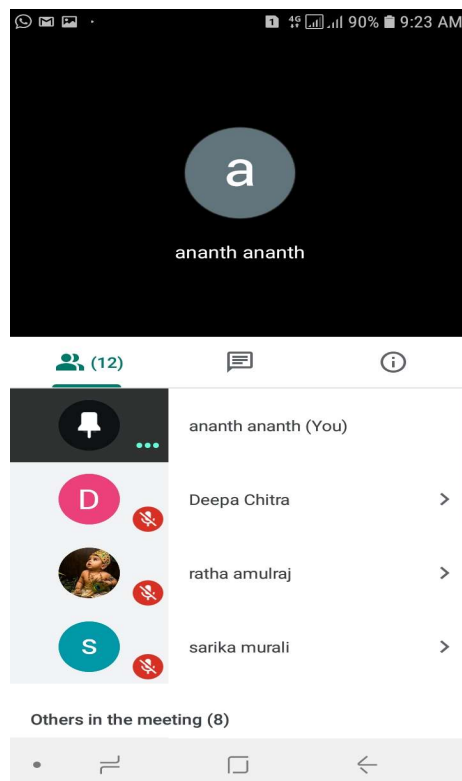
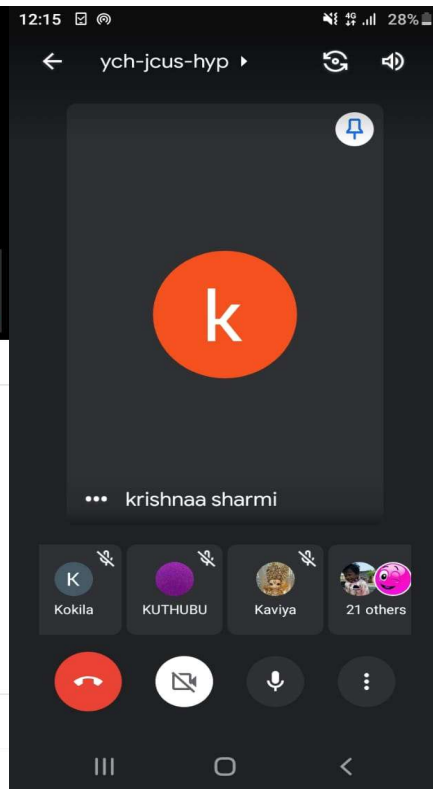
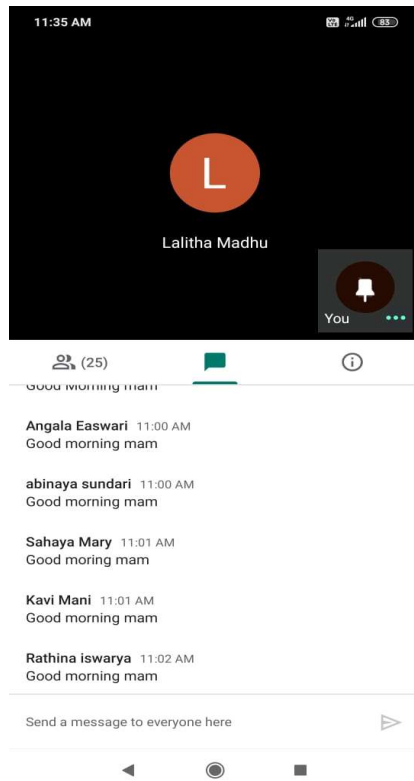
**DETAILS OF ONLINE CLASSES AND TOPICS COVERED**

<b>year</b>	<b>Platform</b>	<b>Name of the staff</b>	<b>Topics covered</b>
I B.Sc	Google meet	Dr. P. Sathiya Bama	Invertebrata-I revision
III B.Sc	Google class room- work	Dr. P. Sathiya Bama	Environmental practical
I M.Sc	Offline	Dr. R. Vahitha	Biochemistry: spotters and gram staining
II MSc	Offline	Dr. M. Eathel Poline	Essential steps in research
III BSc	Google meet	Dr.S. Ananth	Genetic engineering and biotechnology: Types of culture medium
II BSC	Google meet	R.k.Sharmila	Earth worm harvesting
I M.Sc	Offline	Mrs.R.Lalitha	Practical: gram staining
II B.Sc	Google meet	Mrs.R.Lalitha	Food microbiology: food preservation methods
II MSc	Google meet	Mrs.S.Angela Lincy	Research Methodology: Revision
III BSC	Google meet	Mrs.S.Angela Lincy	Cell biology: cell division methods

**Dr.P.Sathiya Bama**  
**Associate Professor & Head**  
**PG Department of Zoology**

**Online Classes through GOOGLE MEET**





# M.V.Muthiah Government Arts College for Women, Dindigul.

## Department of Mathematics

### Sub : Submission of Online class report – 25.08.2020.

Online classes conducted for the II BSc, III BSc and II MSc Mathematics students as detailed below. The schedule and google links were posted in the respective students whats app group in advance.

S.No	Course	Subject	Topic	Platform	Link	Attended
1	III MSc	Measure Theory	Unit II – Properties of Measurable functions	Google Meet	<a href="http://meet.google.com/eso-qjxw-pdy">http://meet.google.com/eso-qjxw-pdy</a>	17 of 21
		All Regular staff(4) were attended UG admission duty.				
2	III BSc TM/ EM A	Number Theory	Theorems	Google Meet	<a href="http://meet.google.com/cqs-jiouv-erj">http://meet.google.com/cqs-jiouv-erj</a>	59 of 67
	III BSc TM	Operations Research-I	Max. Assignment Problem	Google Meet	<a href="http://meet.google.com/kpy-gcva-spw">http://meet.google.com/kpy-gcva-spw</a>	29 of 34
	III BSc TM/ EM A	Real Analysis	Open set & Examples	Google Meet	<a href="http://meet.google.com/ezi-nwnk-weq">http://meet.google.com/ezi-nwnk-weq</a>	57 of 67
	III BSc TM/ EM A	Programming in C	Programs on symbolic constant	Google Meet	<a href="http://meet.google.com/coq-kjqw-nps">http://meet.google.com/coq-kjqw-nps</a>	58 of 67
3	II BSc TM/ EM A	Vector calculus	Div & curl defn.	Google meet	<a href="http://meet.google.com/hit-cymx-zhp">http://meet.google.com/hit-cymx-zhp</a>	52 of 64
		Ancillary Mathematical Statistics I	Examples	Google Meet	<a href="http://meet.google.com/hhq-zhaj-xev">http://meet.google.com/hhq-zhaj-xev</a>	52 of 64
4	III BSc EM B	Real Analysis	Equivalent Metric Spaces & subspaces	Google Meet	<a href="http://meet.google.com/my-q-shzf-czu">http://meet.google.com/my-q-shzf-czu</a>	22 of 29
		Abstract Algebra	Isomorphism related Theorems	Google Meet	<a href="http://meet.google.com/my-q-shzf-czu">http://meet.google.com/my-q-shzf-czu</a>	22 of 29
		Numerical Methods	Finite Difference problems	Google Meet	<a href="http://meet.google.com/my-q-shzf-czu">http://meet.google.com/my-q-shzf-czu</a>	22 of 29
		Operations Research-I	Simplex method	Google Meet	<a href="http://meet.google.com/my-q-shzf-czu">http://meet.google.com/my-q-shzf-czu</a>	22 of 29

5	II BSc EM B	Ancillary Mathematical Statistics I	Continuous Random Variables	Google Meet	<a href="http://meet.google.com/dus-ukzn-joh">http://meet.google.com/dus-ukzn-joh</a>	31 of 34
		Vector calculus, Fourier Series and Fourier Transform	Surface Integrals	Google Meet	<a href="http://meet.google.com/dus-ukzn-joh">http://meet.google.com/dus-ukzn-joh</a>	31 of 34
			Fourier series in Complex form	Google Meet	<a href="http://meet.google.com/dus-ukzn-joh">http://meet.google.com/dus-ukzn-joh</a>	31 of 34
		Statics	Equilibrium related problems	Google Meet	<a href="http://meet.google.com/dus-ukzn-joh">http://meet.google.com/dus-ukzn-joh</a>	31 of 34
6	II BCom	Business Statistics	Measures of Location	Google Meet	<a href="http://meet.google.com/nhb-mixr-xua">http://meet.google.com/nhb-mixr-xua</a>	50

## Screen Shots

The image displays two side-by-side screenshots. The left screenshot shows a PDF document titled "measure notes unit 2.pdf" with handwritten mathematical notes. The notes include the Riemann-Stieltjes integral formula:  $\int_a^b f dg = \lim_{n \to \infty} \sum_{k=1}^n f(\xi_k) (g(x_k) - g(x_{k-1}))$  and a theorem stating that if  $f$  is a non-negative measurable function, then  $\int f d\mu = 0$  if and only if  $f = 0$  almost everywhere. The right screenshot shows a Google Meet interface with a presentation being shared. The presentation slide displays the message "You're presenting to everyone" and a "Stop presenting" button. The participants list includes "You", "Mukila Jawahar", "Punitha Nathan", "pon selvi", "Pavithra Somasu...", "nisha b", and "Vishnu Priya".





Sujithra Devi is presenting


**Ex. 5.** An open cylindrical jar whose radius is  $r$  and weight  $nW$  stands on a horizontal table. A heavy rod whose length is  $2l$  and weight  $W$  rests over its rim with one end pressing against the vertical interior surface of the jar.

Prove the following:-

- In the position of equilibrium, the inclination of the rod to the horizon is given by  $l \cos^3 \theta = 2r$ .
- The rod will tumble out of the jar if the inclination be less than  $\theta$ .
- The jar will tumble over unless  $l \cos \theta < (n+2)r$ .

The forces acting on the rod AB are:

- reaction  $R_A$  which is perpendicular to the interior surface of the cylinder and hence horizontal.



Meeting details

People (31)

Abi chellakutty 12:25 PM  
Ok mam

priya chinnadurai 12:25 PM  
ok mam

paun raj 12:26 PM  
Ok mam

Jahira Sulthana 12:26 PM  
Ok mam

Jeevitha Maruthanayagam 12:26 PM  
Yes mam

paun raj 12:26 PM  
S mam

paun raj 12:28 PM  
S mam

Send a message to everyone

Meeting details

Turn on captions

Sujithra Devi is presenting

Vijaya Lakshmi is presenting

interval  $c$  to  $c + 2\pi$ , and satisfying Dirichlet's conditions can be given in the form

$$f(x) = \sum_{n=-\infty}^{\infty} c_n e^{-inx} \quad \dots (i)$$

where

$$c_n = \frac{1}{2\pi} \int_c^{c+2\pi} f(x) e^{-inx} dx$$

**Proof.** Multiply both the sides of (i) by  $e^{-inx}$ , where  $m$  is an integer; then, integrate between the limits  $c$  and  $c + 2\pi$ . Thus we have

$$\int_c^{c+2\pi} f(x) e^{-inx} dx = \sum_{n=-\infty}^{\infty} c_n \int_c^{c+2\pi} e^{i(n-m)x} dx \quad \dots (ii)$$

on the assumption that term by term integration is permissible

Meeting details

People (33)

Ramya Kannan

Sabitha Sabitha

Sai Subha

SATHYA PANDI

Sindhu Mvs

Sneha Sneha

Thanuja subramaniam

Venkatraman Venkat

Vijaya Lakshmi

Meeting details

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Vijaya Lakshmi is presenting

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Vijaya Lakshmi is presenting

Prabu Devi and 9 more

12:26 PM

Vijaya Lakshmi

Let  $x \in B_d(a, r)$

$\therefore d(a, x) < r$

$\therefore 2d(a, x) < 2r$

$\therefore \rho(a, x) < 2r$ . Hence  $x \in B_\rho(a, 2r)$

$\therefore B_d(a, r) \subseteq B_\rho(a, 2r)$  ..... (1)

Now, let  $x \in B_\rho(a, 2r)$

$\therefore \rho(a, x) < 2r$

$\therefore \frac{1}{2} \rho(a, x) < r$

$\therefore d(a, x) < r$ . Hence  $x \in B_d(a, r)$

$\therefore B_\rho(a, 2r) \subseteq B_d(a, r)$  ..... (2)

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Sujithra Devi is presenting

Nilofar rosne Nilofar r... and 13 more

11:32 AM

Sujithra Devi

6. Since all  $\Delta_j \geq 0$ , the current basic feasible solution is optimal.  $\therefore$  The optimal solution is given by

$x_1 = 0; x_2 = 6; x_3 = 4$  and  $\max Z = 6$

**Problem 2.23:** Use the simplex method to solve the LPP  $\max Z = 20x_1 + 6x_2 + 8x_3$  subject to the constraints

$8x_1 + 2x_2 + 3x_3 \leq 250$

$4x_1 + 3x_2 \leq 150$

$2x_1 + x_3 \leq 50$  and

$x_1, x_2, x_3 \geq 0$  (OCT 2000, MBA)

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Meeting details

People (26)

Chat

lakshmi priya 10:50 AM  
Gm mam

Shobana Yogiram 10:50 AM  
S mam

PONMANI K 10:50 AM  
Good morning mam

lakshmi priya 10:51 AM  
S mam

PONMANI K 10:52 AM  
S mam

saisubraja 957 10:52 AM  
no mam

Anisha JafferAli 10:54 AM  
Mam voice break aaguthu mam

Send a message to everyone

polynomial in factorial notation

Any polynomial  $f(x) = a_0x^n + a_1x^{n-1} + \dots + a_n$

Can be expressed in the factorial polynomial form as  $A_0x^{(n)} + A_1x^{(n-1)} + \dots + A_n$

Since  $f(x) = A_0x^{(n)} + A_1x^{(n-1)} + \dots + A_n$

$= A_0x^{(n-h)} + A_1x^{(n-1-h)} + \dots + A_n$

Meeting details

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sabina sharif is presenting

Since  $[f(a)]^n = e^1$  it follows

Again  $[f(a)]^m = e^1 \Rightarrow f(a^m) = f(e) \Rightarrow f(e) = e^1$

$\Rightarrow a^m = e \therefore f$  is 1-1.

Since  $n$  is the least +ve integer  $\Rightarrow a^n = e$ .

$\Rightarrow n$  divides  $m$  — ②

$\therefore n = m$ .

from ① & ②  $\Rightarrow$   $off(a) = o(a)$ .

1) If  $a \in G$  is of infinite order, then  $f(a)$  is also of infinite order.

2) If  $a \in G$  is of finite order say  $n$ , then  $f(a)$  is also of finite order say  $m$ .