



Sahyadri Shikshan Mandal's

# **Mahant Jamanadas Maharaj Arts, Commerce and Science College**

Karanjali, Tal. Peth, Dist. Nashik – 422208, (MS) India

**(Affiliated to Savitribai Phule Pune University, Pune)**

Accredited by NAAC- 'C' Grade (CGPA-1.72)



## **Criterion-II:**

### **Teaching- Learning and Evaluation**

#### **2.3.: Teaching – Learning Process**

Criterion II: Teaching – Learning and Evaluation



ID No. PU/NS/ACS/150/2009

॥ स्वदेशे पुज्यते राजा विन्दान्सर्वत्र पुज्यते ॥  
Govt. of Mah. Order No. N.G.C. 2009 (152/09) MS R - 4

Sahyadri Shikshan Mandal's Dindori

**Mahant Jamanadas Maharaj  
ARTS, COMMERCE & SCIENCE COLLEGE**

Karanjali, Tal. Peth, Dist. Nashik. (Maharashtra) 422 208. Ph.No.: 02558 - 234666  
E-mail : mjmccollege1@yahoo.com College Code - 908

जावक क्र.: 186/2024-25

दिनांक : 20/12/2024

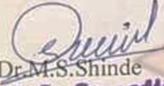
**DECLARATION**

This is to declare that the information, reports, true copies of the supporting documents, numerical data etc. submitted / Presented in the files is verified by Internal Quality Assurance Cell (IQAC) and it is correct as per the record.


This declaration is for the purpose of NAAC accreditation of HEI for the 2<sup>nd</sup> cycle period 2018-2019 to 2022-23.

Date:-20/12/2024

Place:-Karanjali

  
Dr. M.S. Shinde  
**I.Q.A.C. Co-ordinator**  
M.J.M. Arts, Commerce  
and Science College  
Karanjali, Nashik-422 208



  
Dr. U.P. Shinde  
**Principal**  
M.J.M. Arts, Commerce &  
Science College Karanjali,  
Tal. Peth, Dist. Nashik

Sahyadri Shikshan Mandal,  
Karanjali, Tal.: Peth, Dist.: Nashik.  
Pin : 422 208, Ph.: 02558 234666 / +91 9420002030

### 2.3.1 Students' Centric Methods and ICT Enabled Teaching

#### **The Students' Centric Methods:**

The faculties, being extra conscious regarding disseminating the knowledge to the students, make use of various kinds of pedagogies. Apart from the physical classroom lectures, the faculties prominently employ the hybrid, cutting edge practices and blended mode of learning effectively. The faculties from Science stream employ experimental learning in the most effective manner. They also make use of classroom teaching with PPT presentation by employing the projectors.

The Department of Economics, Commerce and Geography organized field trips and educational tours and visit to the historical places for practical learning. The Department of Geography holds an Environmental Study Tour to make students aware of the environmental issues.

Departments like Marathi and English employ group discussions, debates and elocution competitions or similar methods for the same purpose. Conventional method of charts to demonstrate different biological systems such as nervous systems and digestive system related to living beings supported with slides are typically used by the Department of Botany and Zoology. All the departments give the assignment and various kinds of projects to the students to enable them to get acquainted with the practical side of learning.

As a part of extra credit course, all students of the undergraduate programmes are guided to visit agro-related Industries, library or any prominent place to study on the field. They are also promoted to conduct the social survey analyse it and submit its report to the concerned Department. The college organizes state and national level seminars, conferences and workshops. This paves the way for the students of various streams to participate, interact and share their opinions and views with the experts. The college invariably ensures the maximum participation of the faculties and the students in *AVISHKAR*. Thus, the teaching methods comprise of participative, experiential, practical, online, offline and blended ones.

**ICT Enabled Teaching:**

All the departments utilize the ICT enabled tools and technologies for the process of teaching and learning. It was extensively used in the Covid-19 pandemic situation to keep in touch with the students and to ensure the continuity of the teaching and learning process. The faculties formed various Whats App Groups which are used to directly communicate the important knowledge with the students. They are employed to share notes of various topics and critical terms. They also conducted online lectures by making use of Google Meet, and Zoom Platforms to when almost entire world was shut due to lockdown. The faculties formed Google Classrooms to share the contents in the syllabus making them have an easy access when needed. Some of the faculties have their own You Tube channels on which the students can watch and learn educational contents uploaded by the concerned faculties.

**Student Centric learning (Pedagogies used)  
Department of Marathi**

- **Pedagogy used for Teaching** - Participatory Learning, Classroom Teaching and Cutting Edge Practice
- **Tools and Materials used** - Blackboard-Chalks, Projectors and PPTs etc.
- **Description of the Methods-** The students are fully involved in the process of teaching and learning making it two way process for effectively imparting the knowledge.
- **Outcomes (Learning Experience)**

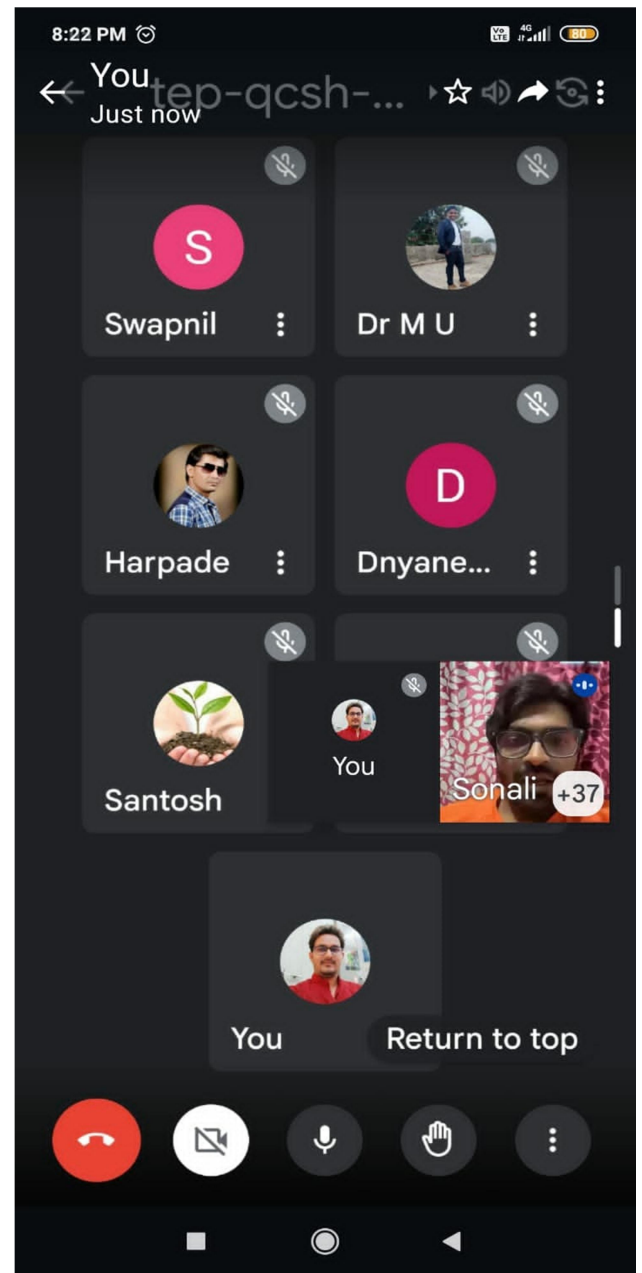
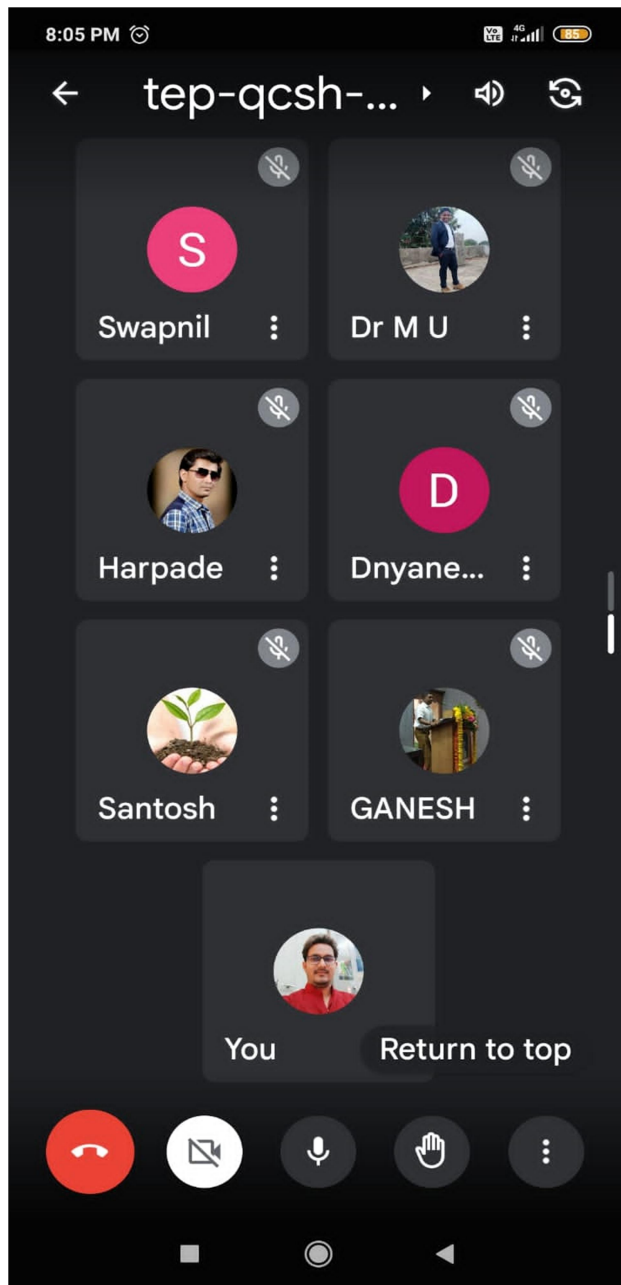
The students seem to be highly curious to know various aspects of the certain terms and periods in Marathi literature. The interactive mode of learning provides the students with an opportunity to have free interactions with the



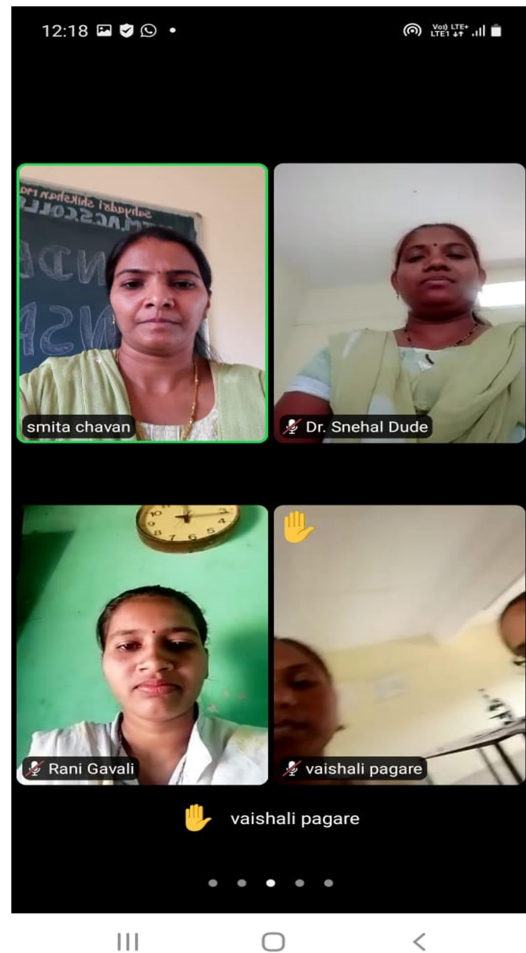
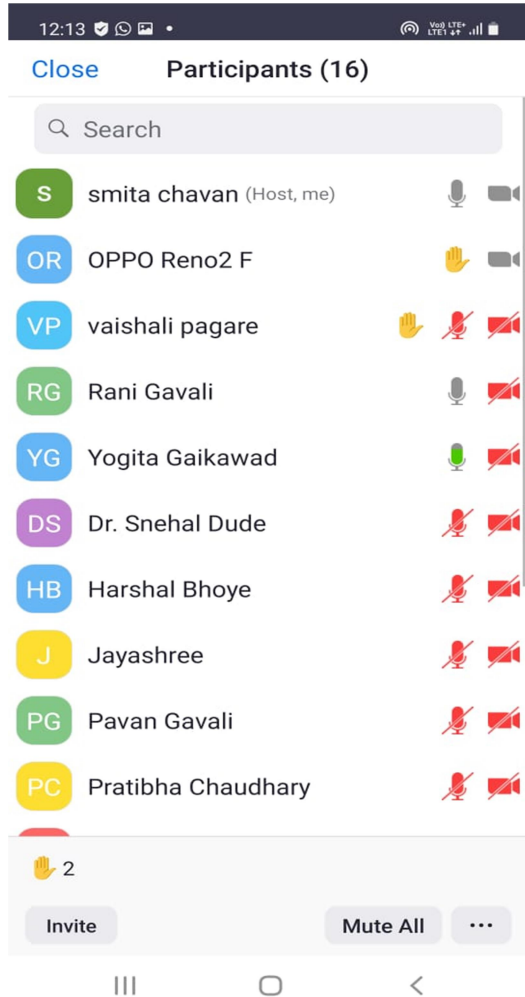
## Criterion II: Teaching – Learning and Evaluation

teachers regarding their queries. Meanwhile, the students are allowed to express their own ideas and views under discussion.

### Some Screenshots of the lectures by making use of Google Meet



## Criterion II: Teaching – Learning and Evaluation

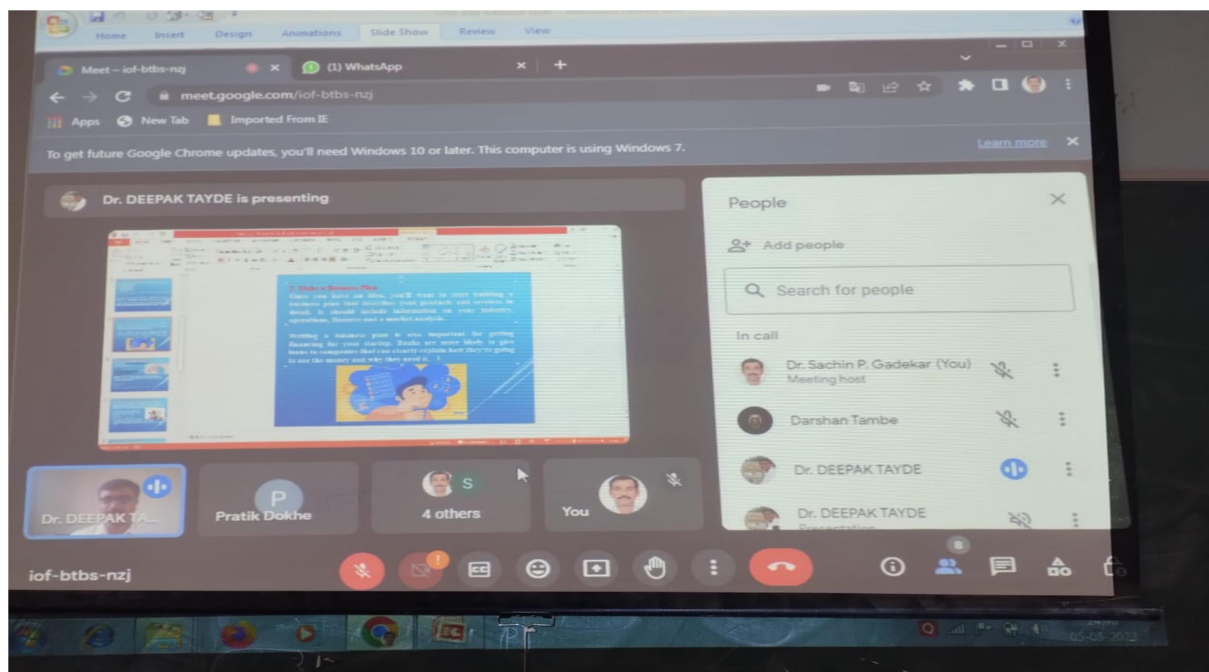


## Criterion II: Teaching – Learning and Evaluation

### Student's Centric Learning (Pedagogies Used)

#### Department of Chemistry

- Pedagogy used for Teaching- The lecture method, project method, field trip/work visit and demonstration method are mostly used in implementing the curriculum of chemistry education . The traditional method of teaching is teacher rather than learner-oriented.
- Tools and Materials used -
  - Blackboard-Blackboard is a traditional teaching tool, which teachers use widely.
  - Virtual classroom.
  - Teaching and learning resources- text books, References, films, multimedia, digital learning resources including video, audio, text, animations and images, lectures



Dr.D.T.Tayde delivered invited lecture on One day webinar “How to plan startup: Legal and ethical steps” at Sanjivini ACS college, Kopargaon.

## Criterion II: Teaching – Learning and Evaluation

8/25/23, 12:38 PM

Meet – kqz-ztzi-ggy

Sachin Pawar (Presenting)

**Chemistry in the House**

Something as simple as **Toothpaste** involves at least three chemicals, if not more. It is the mixture of fluoride, peroxide and baking soda and its chemical reaction that keeps your teeth clean. From this course I got to know how to read the chemicals composition.

meet.google.com is sharing your screen. Stop sharing Hide

Activate Go to Settings

The slide features a background image of a toothbrush with toothpaste being applied to the bristles. The text is in a clean, sans-serif font, with 'Toothpaste' highlighted in blue.

People

×

+ Add people

Search for people

IN MEETING

Contributors

19

	Dr. DEEPAK TAYDE (You) Meeting host		
	Avinash Jondhale		
	Dinesh Gawali		
	Dr. DEEPAK TAYDE Meeting host		
	Gaikwad Mahi		
	kapil pawar		
	Lakhan Udar		
	Namdev Gawali		
	NANDA WAGHERE		
	Niranjan Giri		
	RAVINDRA WAGHCHAURE		
	Sachin Pawar		
	Sachin Pawar Presentation		
	Sagar Malgave		
	snehal dude		
	Swati Patil		
	Tara Gaikawad		
	tejas gaikwad		
	varsha gawali		

Sahyandri Shikshan Mandal Dindori Sanchalit, M.J.M ACS College Karanjali, Department of Chemistry Organised One Day webinar on entitle “Chemistry in Daily Life” dated on 25 Aug 2023. Shri. Sachin Pawar from SSR Arts, Commerce & Science College, Silvasa delivered the eminent talk on the topic.



Students' Centric Learning (Pedagogies Used)

**Department of Botany**

- **Pedagogy used for Teaching** - Participatory Learning, Classroom Teaching and Cutting Edge Practice
- **Tools and Materials used** - Blackboard, Chalks, Projectors, and PPTs etc.
- **Description of the Methods**- The students are fully involved in the process of teaching and learning making it two way process for effectively imparting the knowledge.
- **Outcomes (Learning Experience)**

The students are seen to be highly curious to know various aspects of the certain terms and periods in English literature. The interactive mode of learning provides the students with an opportunity to have free interactions with the teachers regarding their queries. Meanwhile, the students are allowed to express their own perspectives of the point under discussion.

**Department of Zoology**  
**Students' Centric Learning (Pedagogies Used)**

- **Pedagogy used for Teaching** - Participatory Learning, Classroom Teaching, Interactive Session and Cutting Edge Practice
- **Tools and Materials used-** Blackboard, Chalks, Projectors, and PPTs etc.
- **Description of the Methods-** The students are fully involved in the process of teaching and learning making it two way process for effectively imparting the knowledge.
- **Outcomes (Learning Experience)**

The students are seen to be highly curious to know various aspects of the certain terms and periods in Zoology. The interactive mode of learning provides the students with an opportunity to have free interactions with the teachers regarding their queries. Meanwhile, the students are allowed to express their own perspectives of the points under discussion.

**Department of Physics**

Online teaching Report

Name of staff: Dr.M.S.Shinde

As per the guidelines given by UGC and SPPU I have Taken a zoom based lectures of SYBSC and TYBSC students as on following topics.

SYBSC: MMP.

**1. Complex Numbers**

- 1.1 Introduction to complex numbers.
- 1.2 Rectangular, polar and exponential forms of complex numbers.
- 1.3 Argand diagram
- 1.4 Algebra of complex numbers using mathematical and Argand diagram
- 1.5 De-Moivre's Theorem
- 1.6 Powers, roots and log of complex numbers.
- 1.7 Trigonometric, hyperbolic and exponential functions.
- 1.8 Applications of complex numbers to determine velocity and acceleration in curved motion
- 1.9 Problems.

**2. Partial Differentiation**

- 2.1 Definition of partial differentiation
- 2.2 Successive differentiation
- 2.3 Total differentiation
- 2.4 Exact differential
- 2.5 Chain rule
- 2.6 Theorems of differentiation
- 2.7 Change of variables from Cartesian to polar co-ordinates.
- 2.8 Implicit and explicit functions
- 2.9 Conditions for maxima and minima (without proof)
- 2.10 Problems.

**Internal test.**

**3. Vector Algebra**

- 3.1 Introduction to scalars and vectors:
- 3.2 dot product and cross product of two vectors and its physical significance
- 3.3 Scalar triple product and its geometrical interpretation.
- 3.4 Vector triple product and its proof.
- 3.5 Problems.

**4. Vector Analysis**

- 4.1 Introduction
- 4.2 Scalar and vector fields
- 4.3 Differentiation of vectors with respect to scalar.
- 4.4 Vector differential operator and Laplacian operator
- 4.9 Problems.

**TYBSc:**

**PH331 : Mathematical Methods in Physics- II**

Curvilinear co-ordinates

Introduction to Cartesian, Spherical polar and Cylindrical co-ordinate systems, transformation equations, General Curvilinear co-ordinate system: Co-ordinate surface, co-ordinate lines, length, surfaces and volume elements in curvilinear co-ordinate system, metric coefficient. Orthogonal Curvilinear co-ordinate system, Expressions for gradient, divergence, Laplacian and Curl, special case for gradient, divergence, Laplacian, and curl in Cartesian, spherical polar and cylindrical co-ordinate system.

**PH332: Solid State Physics**

The Crystalline State (11 L) Lattice, Basis, Translational vectors, Primitive unit cell, Symmetry operations, Different types of lattices 2D and 3D (Bravais lattices), Miller indices, Inter planer distances, SC, BCC and FCC structures, Packing fraction, Crystal structures NaCl, diamond, CsCl, ZnS, HCP, Concept of reciprocal lattice and its properties with proof.

**PH334 Atomic and Molecular Physics**

1. Atomic structure

1 Rutherford model of atom

2 Electron orbits

3 Bohr atom

4 Energy levels and spectra (1 to 4 Revision) Vector atom model (Concepts of space and quantization and electron spin)

5 Atomic excitation and atomic spectra,

2. One and two valence electron systems

1 Pauli Exclusion principle and electron configuration, quantum states, Spectral notations of quantum states.

2 Spin-Orbit Interaction (Single valence electron atom), Energy levels of Na atom, selection rules, spectra of sodium atom, sodium Doublet.

**PH335: Computational Physics**

1. Concepts of programming:

Definition and Properties of algorithms, Algorithm development, Flow charts- symbols and simple flowcharts. Flow charts and Algorithms for Kinematic equations, Free fall, Equation of state, Factorial of a number. Types of programming language: Lower, middle and higher level languages.

2. C Programming

Structure of C program, Character set, key words, Constants and variables, Variable names, Data types and their declarations, Symbolic Constants. Input/output functions: scanf ( ), printf ( ), getchar ( ), putchar ( ), getch ( ), gets (



), puts ( ). Operators and Expressions: Arithmetic Operators, Relational Operators, Logical Operators, Assignment Operators, Conditional Operator. Formatted input/output Control statements: If, if else, while, do while for loop, nested control structures (nested if, nested loops), break, continue, switch- case statement, goto statement. Use of Library functions: e.g. mathematical, trigonometric, graphics.

### **PH-336 Elective I (B) Elements of Materials Science**

#### 1. Defects in Solids

1 Material Properties – Mechanical, Electrical and thermal 2 Impurities in solids. 3 Solid solutions in metals. 4 Rules of solid solubility. 5 Imperfection in crystals. 6 Defects in solids point, line, surface and volume. 7 Atomic diffusions definition, mechanism, Fick's laws.

➤ Internal tests for SYBSc and TYBSc Physics for all subjects.

Provided handwritten notes of subjects solid state State Physics, Nuclear Physics, Classical Mechanics on complete syllabus,  
Organised and conducted a webinar for SYBSC and TYBSc physics students.  
Hereby I am providing some of the zoom links as an example:

**Department of Chemistry**  
**ICT Enabled Teaching (Pedagogies Used)**

1	You tube link offered to students for chemistry		Class
2	Mr Rohit Madhukar Nikam:	<a href="https://youtu.be/YCGyfxDS5E4">https://youtu.be/YCGyfxDS5E4</a>	F.Y., S.Y. & T.Y. B.Sc.
3		<a href="https://youtu.be/2khRY979PnE">https://youtu.be/2khRY979PnE</a>	
4		<a href="https://youtu.be/2khRY979PnE">https://youtu.be/2khRY979PnE</a>	
5		<a href="https://youtu.be/06N2zSo6Mt0">https://youtu.be/06N2zSo6Mt0</a>	
6		<a href="https://youtu.be/GzvpYeA0UNk">https://youtu.be/GzvpYeA0UNk</a>	
7		<a href="https://youtu.be/6j3KVk6Iz1Q">https://youtu.be/6j3KVk6Iz1Q</a>	
8		<a href="https://youtu.be/WVlclROZCWI">https://youtu.be/WVlclROZCWI</a>	
9		<a href="https://youtu.be/Sw10AwD5Gsk">https://youtu.be/Sw10AwD5Gsk</a>	
10		<a href="https://youtu.be/Sw10AwD5Gsk">https://youtu.be/Sw10AwD5Gsk</a>	
11		<a href="https://youtu.be/ANy-9mdz8EE">https://youtu.be/ANy-9mdz8EE</a>	
12		<a href="https://youtu.be/3dDIRSX5VNO">https://youtu.be/3dDIRSX5VNO</a>	
13		<a href="https://youtu.be/tKUirh9hRtA">https://youtu.be/tKUirh9hRtA</a>	
14		<a href="https://youtu.be/v403wdAE1T8">https://youtu.be/v403wdAE1T8</a>	
15		<a href="https://youtu.be/SwzdcaVVVTM">https://youtu.be/SwzdcaVVVTM</a>	
16		<a href="https://youtu.be/ecfFY6080Ak">https://youtu.be/ecfFY6080Ak</a>	
17		<a href="https://youtu.be/APxrpRjEbTo">https://youtu.be/APxrpRjEbTo</a>	
18		<a href="https://youtu.be/Zqw09ud1TOY">https://youtu.be/Zqw09ud1TOY</a>	
19		<a href="https://youtu.be/Zqw09ud1TOY">https://youtu.be/Zqw09ud1TOY</a>	
20		<a href="https://youtu.be/4MLwR5r2jXc">https://youtu.be/4MLwR5r2jXc</a>	
21		<a href="https://youtu.be/CbgO6Gauzgs">https://youtu.be/CbgO6Gauzgs</a>	
22		<a href="https://youtu.be/6mxN9py9oCI">https://youtu.be/6mxN9py9oCI</a>	
23		<a href="https://youtu.be/kaM2B0zMO90">https://youtu.be/kaM2B0zMO90</a>	
24		Google Class room	
25	Google Class room	<a href="https://classroom.google.com/c/MTA1NDY4NjA1MzU3?ejc=k7iyiab">https://classroom.google.com/c/MTA1NDY4NjA1MzU3?ejc=k7iyiab</a>	T.Y. B.Sc

## Criterion II: Teaching – Learning and Evaluation

### Online lecture report

Teacher name -Mr. Tejas Chindhu Gaikwad

1. Conducted the lecture on Aromatic acids concepts dated on which was included in chapter acidity and basicity of organic compounds .This lecture included the following concepts Aromatic amine examples ,Intramolecular hydrogen bonding ,Aliphatic amines and PKa and temperature concepts.

#### Daily Attendance Report for Class List: 2020-12-07

Show Attendance Summary

Class Name: Class List Meet ID: utx-funj-rvt Date: 2020-12-07 Earliest Arrivals: 06:20 Start: 6:20 End: 7:32 Duration: 72 min

19 Names ( 9 Absent ) ★	6:15	6:20	6:25	6:30	6:35	6:40	6:45	6:50	6:55	7:00	7:05	7:10	7:15	7:20	7:25	7:30	7:32	
Digvijay Ahire																		
✓ Mahesh Ahire																		
? Vaibhav Bharati																		
Joshila Bhosale																		
✓ Shivani Bhosale																		
Lalit Dambale																		
Soul Hunter Gaming																		
Mahesh Gawali																		
Rushikesh Jadhav																		
? Anita Kamdi																		
Anu Kamdi																		
? Sachin Mahale																		
? Shubham Mahale																		
✓ Yogita Malgave																		
? Pritesh More																		
Manoj Padavi																		
✓ Nishant Palve																		
Shubham Mahale Sm																		
✓ Pankaj Sonawane																		

Daily Attendance Legend:

2. Conducted the lecture on Aromatic acids concepts dated on which was included in chapter acidity and basicity of organic compounds .examples on amine bases.

#### Daily Attendance Report for Class List: 2020-12-09

Show Attendance Summary

Class Name: Class List Meet ID: zhf-qfhy-qbz Date: 2020-12-09 Earliest Arrivals: 06:02 Start: 6:02 End: 7:01 Duration: 59 min

20 Names ( 11 Absent ) ★	6:00	6:02	6:05	6:10	6:15	6:20	6:25	6:30	6:35	6:40	6:45	6:50	6:55	7:00	7:01	
Digvijay Ahire																
✓ Mahesh Ahire																
Vaibhav Bharati																
Joshila Bhosale																
Shivani Bhosale																
Lalit Dambale																
Soul Hunter Gaming																
✓ Mahesh Gawali																
✓ Rushikesh Jadhav																
Anita Kamdi																
Anu Kamdi																
? Rupali Khambait																
Sachin Mahale																
✓ Shubham Mahale																
✓ Yogita Malgave																
Pritesh More																
✓ Manoj Padavi																
✓ Nishant Palve																
Shubham Mahale Sm																
✓ Pankaj Sonawane																

Daily Attendance Legend:

✓ The student was present then exited, rejoined, then exited again, and rejoined again, etc., etc.

The alternating background patterns indicate that the student may have left and rejoined the Meet

✓ The student was marked present by the teacher (but did not shown up in the Meet window)

The student missed the entire class

To help your eye follow across the page, the table rows alternate between white and grey backgrounds which leads to two subtly different shades of green for the times when the student was present

NB - If you want a printed copy of this report, make sure that the 'More settings' → 'Background graphics' checkbox is checked in the Print dialog

Generated by the [Google Meet Attendance extension \(v1.2.7\)](#)

## Criterion II: Teaching – Learning and Evaluation

3. Heterocyclic bases and acid and base catalyzed reactions were discussed in the lecture

### Daily Attendance Report for Class List: 2020-12-10

Show Attendance Summary

Class Name: Class List Meet ID: yxn-gadm-ddr Date: 2020-12-10 Earliest Arrivals: 06:11 Start: 6:11 End: 6:34 Duration: 23 min

22 Names (14 Absent) ★	6:10	6:11	6:15	6:20	6:25	6:30	6:34
Digvijay Ahire							
Mahesh Ahire							
Vaibhav Bharati							
Joshila Bhosale							
✓ Shivani Bhosale							
Lalit Dambale							
Soul Hunter Gaming							
? Dhanraj Gavali							
Mahesh Gawali							
Rushikesh Jadhav							
✓ Anita Kamdi							
Anu Kamdi							
✓ Rupali Khambait							
Sachin Mahale							
Shubham Mahale							
Yogita Malgave							
Pritesh More							
✓ Manoj Padavi							
✓ Nishant Palve							
Shubham Mahale Sm							
✓ Pankaj Sonawane							
? Suraj Ugale							

#### Daily Attendance Legend:

✓ The student was present then exited, rejoined, then exited again, and rejoined again, etc., etc.

The alternating background patterns indicate that the student may have left and rejoined the Meet

✓ The student was marked present by the teacher (but did not show up in the Meet window)

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To help your eye follow across the page, the table rows alternate between white and grey backgrounds which leads to two subtly different shades of green for the times when the student was present

**NB** - If you want a printed copy of this report, make sure that the 'More settings' → 'Background graphics' checkbox is checked in the Print dialog

4. The topic was completed in that lecture was **Stereochemistry of Disubstituted Cyclohexanes**  
**1,1 and 1,2 disubstituted cyclohexane conformations and stability**

### Daily Attendance Report for Class List: 2020-12-14

Show Attendance Summary

Class Name: Class List Meet ID: ggy-vyjj-wmk Date: 2020-12-14 Earliest Arrivals: 06:14 Start: 6:14 End: 7:22 Duration: 68 min

23 Names (17 Absent) ★	6:10	6:14	6:15	6:20	6:25	6:30	6:35	6:40	6:45	6:50	6:55	7:00	7:05	7:10	7:15	7:20	7:22
Digvijay Ahire																	
Mahesh Ahire																	
✓ Vaibhav Bharati																	
Joshila Bhosale																	
Shivani Bhosale																	
Lalit Dambale																	
Soul Hunter Gaming																	
Dhanraj Gavali																	
Mahesh Gawali																	
Rushikesh Jadhav																	
✓ Anita Kamdi																	
Anu Kamdi																	
✓ Rupali Khambait																	
Sachin Mahale																	
Shubham Mahale																	
? Tushar Malgave																	
Yogita Malgave																	
Pritesh More																	
✓ Manoj Padavi																	
✓ Nishant Palve																	
Shubham Mahale Sm																	
Pankaj Sonawane																	
Suraj Ugale																	

5. Topic name - Comparison of stability of cis- and trans-1, 2-dimethyl cyclohexane and optical isomerism







Criterion II: Teaching – Learning and Evaluation

ICT Enabled Teaching (Pedagogies Used)

Department of Botany

Name of Department	Academic Year	Name of Faculty	ICT Tools Used	Links of the Content	Topic Covered
Botany	2018-19	Dr. Chavan. S.P.	Nil	Nil	Nil
Botany	2019-20	Dr. Chavan. S.P.	Nil	Nil	Nil
Botany	2020-21	Dr. Chavan. S.P.	Zoom Meet	<a href="https://us04web.zoom.us/j/75292414073">https://us04web.zoom.us/j/75292414073</a>	<b>F.Y.</b> Introduction of Plant Morphology
				<a href="https://us04web.zoom.us/j/77538754534">https://us04web.zoom.us/j/77538754534</a>	Morphology of flowering Plant
				<a href="https://us04web.zoom.us/j/75054695362">https://us04web.zoom.us/j/75054695362</a>	Morphology of Reproductive Parts
				<a href="https://us04web.zoom.us/j/74526710269">https://us04web.zoom.us/j/74526710269</a>	Significance of Corolla
				<a href="https://us04web.zoom.us/j/78642596745">https://us04web.zoom.us/j/78642596745</a>	Anatomy
				<a href="https://us04web.zoom.us/j/77632571849">https://us04web.zoom.us/j/77632571849</a>	Type of tissue
				<a href="https://us04web.zoom.us/j/79684864768">https://us04web.zoom.us/j/79684864768</a>	Anatomy of monocot & Dicot stem
				<a href="https://us04web.zoom.us/j/73586257308">https://us04web.zoom.us/j/73586257308</a>	Anatomy of monocot & dicot root
Botany	2020-21	Dr. Chavan. S.P.	Google meet	<a href="https://meet.google.com/meq-wqqj-qxb">https://meet.google.com/meq-wqqj-qxb</a>	Anatomy of monocot & dicot leaf
				<a href="https://meet.google.com/yqv-wbjy-puj">https://meet.google.com/yqv-wbjy-puj</a>	Introduction of plant Physiology
				<a href="https://meet.google.com/njm-owan-qoe">https://meet.google.com/njm-owan-qoe</a>	Diffusion
				<a href="https://meet.google.com/dme-rskc-yix">https://meet.google.com/dme-rskc-yix</a>	Osmosis
				<a href="https://meet.google.com/gbg-vdbe-jfz">https://meet.google.com/gbg-vdbe-jfz</a>	Plasmolysis
				<a href="https://meet.google.com/kvp-dzdd-ccb">https://meet.google.com/kvp-dzdd-ccb</a>	Structure of Plant cell & Plant cell wall
				<a href="https://meet.google.com/geu-jutz-dua">https://meet.google.com/geu-jutz-dua</a>	Structure of Plasma membrane
				<a href="https://meet.google.com/dhz-uonw-idw">https://meet.google.com/dhz-uonw-idw</a>	Cell cycle in plants
				<a href="https://meet.google.com/fjc-ebmu-wqo">https://meet.google.com/fjc-ebmu-wqo</a>	Introduction to molecular biology
				<a href="https://meet.google.com/sqq-xxoa-uyf">https://meet.google.com/sqq-xxoa-uyf</a>	Plant growth & growth regulators
				<a href="https://meet.google.com/eep-cwxi-tjf">https://meet.google.com/eep-cwxi-tjf</a>	Structure of DNA
				<a href="https://meet.google.com/ave-zwfj-fee">https://meet.google.com/ave-zwfj-fee</a>	Type of chromosome, packaging of DNA in to chromosome
				<a href="https://meet.google.com/vws-hakj-csp">https://meet.google.com/vws-hakj-csp</a>	Structure and type of RNA
				<a href="https://meet.google.com/dib-awhp-grf">https://meet.google.com/dib-awhp-grf</a>	DNA replication
				<a href="https://meet.google.com/qxp-grms-stg">https://meet.google.com/qxp-grms-stg</a>	Bacterial DNA replication, leading and lagging strands,
				<a href="https://docs.google.com/forms/d/e/1FAIpQLSfJ4n6XjT0G9dPQ1TuljMzLj">https://docs.google.com/forms/d/e/1FAIpQLSfJ4n6XjT0G9dPQ1TuljMzLj</a>	<b>S.Y.</b> Online practical exam
<a href="https://meet.google.com/hwv-matp-gxg">https://meet.google.com/hwv-matp-gxg</a>	<b>S.Y.</b> Nitrogen metabolism				
<a href="https://meet.google.com/iaa-frzd-nhc">https://meet.google.com/iaa-frzd-nhc</a>	Nitrogen fixation by Rhizobium and BGA				
<a href="https://meet.google.com/ins-fzvd-dxu">https://meet.google.com/ins-fzvd-dxu</a>	Denitrification, ammonification and nitrification				
<a href="https://meet.google.com/oma-zixe-ygv">https://meet.google.com/oma-zixe-ygv</a>	Reductive amination and transamination				
Botany	2020-21	Dr. Chavan. S.P.	Zoom Meet	<a href="https://us04web.zoom.us/j/75261691592">https://us04web.zoom.us/j/75261691592</a>	Seed dormancy and germination
				<a href="https://meet.google.com/xwc-pkxk-rfu">https://meet.google.com/xwc-pkxk-rfu</a>	Physiology of flowering
				<a href="https://meet.google.com/ioy-ehcf-yna">https://meet.google.com/ioy-ehcf-yna</a>	Vernalisation and devernialization
				<a href="https://meet.google.com/ist-ecgy-bvn">https://meet.google.com/ist-ecgy-bvn</a>	<b>T.Y.</b> Introduction of Cryptogams
				<a href="https://meet.google.com/jqk-oqmm-gjn">https://meet.google.com/jqk-oqmm-gjn</a>	Life cycle of Nostoc. Chara

Criterion II: Teaching – Learning and Evaluation

Botany	2020-21	Dr. Chavan. S.P.	Google meet	<a href="https://meet.google.com/iri-suyq-xix">https://meet.google.com/iri-suyq-xix</a>	Life cycle of Sargasum, economic importance of algae
				<a href="https://meet.google.com/kxf-dcux-tkh">https://meet.google.com/kxf-dcux-tkh</a>	Introduction of Fungi
				<a href="https://meet.google.com/zeg-omnf-dkd">https://meet.google.com/zeg-omnf-dkd</a>	life cycle of Rhizopus, Saccharomyces
				<a href="https://meet.google.com/mwa-vvbr-akq">https://meet.google.com/mwa-vvbr-akq</a>	life cycle of Puccinia and Cercospora
				<a href="https://meet.google.com/bui-stmx-hxp">https://meet.google.com/bui-stmx-hxp</a>	life cycle of Marchantia, Anthoceros
				<a href="https://meet.google.com/ygn-rhzw-hvf">https://meet.google.com/ygn-rhzw-hvf</a>	Pteridophytes, General characters and economic importance
				<a href="https://meet.google.com/tmu-ozkz-sdp">https://meet.google.com/tmu-ozkz-sdp</a>	life cycle of Psilotum, Selaginella
				<a href="https://meet.google.com/wbg-jqth-fvn">https://meet.google.com/wbg-jqth-fvn</a>	life cycle of Marsilea
				<a href="https://meet.google.com/cqd-fyin-mtw">https://meet.google.com/cqd-fyin-mtw</a>	Fundamentals of plant pathology
				<a href="https://meet.google.com/nph-yzac-rdr">https://meet.google.com/nph-yzac-rdr</a>	Disease Development
				<a href="https://meet.google.com/zck-dsmq-roj">https://meet.google.com/zck-dsmq-roj</a>	Defence Mechanisms
<a href="https://meet.google.com/jdn-ugow-zux">https://meet.google.com/jdn-ugow-zux</a>	Methods of Studying Plant Diseases				
<a href="https://meet.google.com/moo-kckf-wfc">https://meet.google.com/moo-kckf-wfc</a>	Fungal Plant Diseases				
Botany	2021-22	Dr. Chavan. S.P.	Google meet	<a href="https://meet.google.com/wbt-dqpw-tuv">https://meet.google.com/wbt-dqpw-tuv</a>	T.Y. Introduction to Biotechnology
				<a href="https://meet.google.com/tdv-ywju-hcg">https://meet.google.com/tdv-ywju-hcg</a>	Plant Tissue Culture
				<a href="https://meet.google.com/wwr-joox-jjs">https://meet.google.com/wwr-joox-jjs</a>	callus culture, cell suspension culture
				<a href="https://meet.google.com/aov-imuw-jdw">https://meet.google.com/aov-imuw-jdw</a>	Micropropagation, embryo culture-and embryo rescue
				<a href="https://meet.google.com/aau-qzzj-say">https://meet.google.com/aau-qzzj-say</a>	Germplasm and Cryopreservation
				<a href="https://meet.google.com/kzj-zyez-sqh">https://meet.google.com/kzj-zyez-sqh</a>	Transgenic Plants as Bioreactors
				<a href="https://meet.google.com/txf-vben-csw">https://meet.google.com/txf-vben-csw</a>	Biotechnology of Biological Nitrogen Fixation
				<a href="https://meet.google.com/pri-xszi-wdt">https://meet.google.com/pri-xszi-wdt</a>	Nitrogenase and Hydrogenase
				<a href="https://meet.google.com/tjt-zspk-bck">https://meet.google.com/tjt-zspk-bck</a>	Genetics of Diazotrophs- Nod genes, Nif gene Biofertilizers
				<a href="https://meet.google.com/qgt-zhnz-ojf">https://meet.google.com/qgt-zhnz-ojf</a>	Biotechnology and Society
				<a href="https://meet.google.com/qbt-twqv-men">https://meet.google.com/qbt-twqv-men</a>	Biotechnology and developing countries
				<a href="https://meet.google.com/htk-cixv-zbw">https://meet.google.com/htk-cixv-zbw</a>	Recombinant foods and religious beliefs
				<a href="https://meet.google.com/qda-fjcb-pgx">https://meet.google.com/qda-fjcb-pgx</a>	Intellectual property rights
				<a href="https://meet.google.com/idw-gvss-ujw">https://meet.google.com/idw-gvss-ujw</a>	Bioinformatics
				<a href="https://meet.google.com/bnf-xmqe-wwh">https://meet.google.com/bnf-xmqe-wwh</a>	Introduction, Database and its classification, NCBI, Data retrieval tools,
				<a href="https://meet.google.com/nay-mwss-fhh">https://meet.google.com/nay-mwss-fhh</a>	INTREZ, OMIN, BLAST, FASTA, Applications of Bioinformatics
				<a href="https://meet.google.com/rgy-grey-zpt">https://meet.google.com/rgy-grey-zpt</a>	Genomics and Proteomics
				<a href="https://meet.google.com/shw-wxut-kxr">https://meet.google.com/shw-wxut-kxr</a>	Cryptogams
<a href="https://meet.google.com/ieq-xqds-iqm">https://meet.google.com/ieq-xqds-iqm</a>	Algae, General characters, economic importance and Classification				
<a href="https://meet.google.com/jqa-xzjj-vmi">https://meet.google.com/jqa-xzjj-vmi</a>	Thallus structure, and reproduction of Nostoc				
<a href="https://meet.google.com/jxr-dgkk-joa">https://meet.google.com/jxr-dgkk-joa</a>	Thallus structure, and reproduction of Chara				
<a href="https://meet.google.com/sys-whqo-drs">https://meet.google.com/sys-whqo-drs</a>	Thallus structure, and reproduction of Sargassum and Batrachospermum				
<a href="https://meet.google.com/kwx-wdud-eqq">https://meet.google.com/kwx-wdud-eqq</a>	Fungi General characters, economic importance and Classification				
<a href="https://meet.google.com/cej-qgqs-zyf">https://meet.google.com/cej-qgqs-zyf</a>	Thallus structure, and reproduction of Rhizopus, Saccharomyces, Puccinia				



Criterion II: Teaching – Learning and Evaluation

Botany	2021-22	Dr. Chavan. S.P.	Google meet		and Cercospora
				<a href="https://meet.google.com/onf-chzw-skb">https://meet.google.com/onf-chzw-skb</a>	Bryophytes, General characters, economic importance and Classification
				<a href="https://meet.google.com/ayy-utpq-yvh">https://meet.google.com/ayy-utpq-yvh</a>	Thallus structure, reproduction and sporophyte structure of Marchantia
				<a href="https://meet.google.com/mbp-wgam-koi">https://meet.google.com/mbp-wgam-koi</a>	Thallus structure, reproduction and sporophyte structure of Anthoceros
				<a href="https://us04web.zoom.us/j/6523730180">https://us04web.zoom.us/j/6523730180</a>	Thallus structure, reproduction and sporophyte structure of Polytrichum
				<a href="https://meet.google.com/zbi-xeic-huc">https://meet.google.com/zbi-xeic-huc</a>	Pteridophytes, General characters and economic importance and Classification
				<a href="https://us04web.zoom.us/j/75261691592">https://us04web.zoom.us/j/75261691592</a>	Morphology, anatomy, reproduction, gametophytes and sporophyte of Psilotum
				<a href="https://meet.google.com/xwc-pkxk-rfu">https://meet.google.com/xwc-pkxk-rfu</a>	Morphology, anatomy, reproduction, gametophytes and sporophyte of Selaginella
			<a href="https://meet.google.com/ioy-ehf-yna">https://meet.google.com/ioy-ehf-yna</a>	Morphology, anatomy, reproduction, gametophytes and sporophyte of Marsilea	
2.		Dr. Jondhale AS		[12:21 PM, 12/30/2024] Jondale MJM: <a href="https://classroom.google.com/c/MTc5NTMwNjQ1NDA5?cjc=wtmsew">https://classroom.google.com/c/MTc5NTMwNjQ1NDA5?cjc=wtmsew</a>	T.Y. B.Sc
				[12:22 PM, 12/30/2024] Jondale MJM: <a href="https://classroom.google.com/c/OTI20DEwMTU3MjBa?cjc=iu2o7gf">https://classroom.google.com/c/OTI20DEwMTU3MjBa?cjc=iu2o7gf</a>	
				[12:22 PM, 12/30/2024] Jondale MJM: <a href="https://classroom.google.com/c/MTAzMzk2MjA4OTIx?cjc=anmpkpo">https://classroom.google.com/c/MTAzMzk2MjA4OTIx?cjc=anmpkpo</a>	
				[12:21 PM, 12/30/2024] Jondale MJM: <a href="https://classroom.google.com/c/MTc5NTMwNjQ1NDA5?cjc=wtmsew">https://classroom.google.com/c/MTc5NTMwNjQ1NDA5?cjc=wtmsew</a>	
				<a href="https://youtu.be/RQ8vamQ-uKA?feature=shared">https://youtu.be/RQ8vamQ-uKA?feature=shared</a>	

Criterion II: Teaching – Learning and Evaluation

ICT Enabled Teaching (Pedagogies Used)  
Department of Zoology

Sr.No	Zoom meet / Google meet link	Topic	Date
1	<p>Niranjan Giri is inviting you to a scheduled Zoom meeting.</p> <p>Topic: Niranjan Giri's Zoom Meeting Time: May 19, 2021 11:00 AM Mumbai, Kolkata, New Delhi</p> <p>Join Zoom Meeting <a href="https://us04web.zoom.us/j/73438585013?pwd=TmlUbGpiMHc4Q3NNWEhM QjVRUVJRUT09">https://us04web.zoom.us/j/73438585013?pwd=TmlUbGpiMHc4Q3NNWEhM QjVRUVJRUT09</a></p> <p>Meeting ID: 734 3858 5013 Passcode: zya4LV</p>	<p><b>Introduction:</b></p> <p><b>1.1</b> Introduction cell biology, <b>1.2</b> Cell as basic unit of life. <b>1.3</b> Importance of Cell Biology and its applications in industry.</p>	19.052021
2	<p>Niranjan Giri is inviting you to a scheduled Zoom meeting.</p> <p>Topic: Niranjan Giri's Zoom Meeting Time: May 20, 2021 11:00 AM Mumbai, Kolkata, New Delhi</p> <p>Join Zoom Meeting <a href="https://us04web.zoom.us/j/71557152121?pwd=b20rOUJoK3Y2OTF5eIR3eHl Dc0dGQT09">https://us04web.zoom.us/j/71557152121?pwd=b20rOUJoK3Y2OTF5eIR3eHl Dc0dGQT09</a></p> <p>Meeting ID: 715 5715 2121 Passcode: WQs8z8</p>	<p><b>Overview of Cells</b></p> <p><b>1.4</b> Introduction to Prokaryotic and Eukaryotic cells. <b>1.5</b> Structure and function of Prokaryotic (<i>E. coli</i>)</p>	20.052021
3	<p>Niranjan Giri is inviting you to a scheduled Zoom meeting.</p> <p>Topic: Niranjan Giri's Zoom Meeting Time: May 22, 2021 10:00 AM Mumbai, Kolkata, New Delhi</p> <p>Join Zoom Meeting <a href="https://us04web.zoom.us/j/74138411699?pwd=UGtmdm1QL0VSbDNnanBp dTBDVzVQZz09">https://us04web.zoom.us/j/74138411699?pwd=UGtmdm1QL0VSbDNnanBp dTBDVzVQZz09</a></p> <p>Meeting ID: 741 3841 1699 Passcode: e4tm3T</p>	<p><b>1.6</b> Structure and function of Eukaryotic cells (Animal and Plant Cell)</p>	22.052021
4	<p>Niranjan Giri is inviting you to a scheduled Zoom meeting.</p> <p>Topic: Niranjan Giri's Zoom Meeting</p>	<p><b>Techniques in Cell Biology:</b></p> <p><b>2.1</b> Introduction <b>2.2</b> Microscopy: Basic</p>	24.052021

Criterion II: Teaching – Learning and Evaluation

	<p>Time: May 24, 2021 09:00 AM Mumbai, Kolkata, New Delhi</p> <p>Join Zoom Meeting <a href="https://us04web.zoom.us/j/72816698499?pwd=bmdwY2x5ZTdJYWo4REYzM y9EU2ZwUT09">https://us04web.zoom.us/j/72816698499?pwd=bmdwY2x5ZTdJYWo4REYzM y9EU2ZwUT09</a></p> <p>Meeting ID: 728 1669 8499 Passcode: BdAE1g</p>	Principle, Simple, Compound and	
5	<p>Niranjan Giri is inviting you to a scheduled Zoom meeting.</p> <p>Topic: Niranjan Giri's Zoom Meeting Time: May 25, 2021 11:30 AM Mumbai, Kolkata, New Delhi</p> <p>Join Zoom Meeting <a href="https://us04web.zoom.us/j/74447228480?pwd=aEhaOHhCSytuRXFkOVJtR3Z kUnB6Zz09">https://us04web.zoom.us/j/74447228480?pwd=aEhaOHhCSytuRXFkOVJtR3Z kUnB6Zz09</a></p> <p>Meeting ID: 744 4722 8480 Passcode: UwXDH4</p>	applications of Electron Microscope	25.052021
6	<p>Niranjan Giri is inviting you to a scheduled Zoom meeting.</p> <p>Topic: Niranjan Giri's Zoom Meeting Time: May 26, 2021 12:00 PM Mumbai, Kolkata, New Delhi</p> <p>Join Zoom Meeting <a href="https://us04web.zoom.us/j/72685480015?pwd=L2N6MjB2ODZzUU9nUEZVZ XVtaGI1Zz09">https://us04web.zoom.us/j/72685480015?pwd=L2N6MjB2ODZzUU9nUEZVZ XVtaGI1Zz09</a></p> <p>Meeting ID: 726 8548 0015 Passcode: 9XrVEH</p>	<p><b>2.3 Stains and dyes:</b> Types of Stain: Acidic, basic and neutral. Dye (Preparation and chemistry of dyes not expected)</p> <p><b>2.4 Micrometry.</b></p>	26.052021
7	<p>Niranjan Giri is inviting you to a scheduled Zoom meeting.</p> <p>Topic: Niranjan Giri's Zoom Meeting Time: May 27, 2021 12:00 PM Mumbai, Kolkata, New Delhi</p> <p>Join Zoom Meeting <a href="https://us04web.zoom.us/j/71414539318?pwd=TnhleDQ5SXV5SC9iY3ZXZktS M2p1QT09">https://us04web.zoom.us/j/71414539318?pwd=TnhleDQ5SXV5SC9iY3ZXZktS M2p1QT09</a></p> <p>Meeting ID: 714 1453 9318</p>	<p><b>Plasma Membrane:</b> <b>3.1 Introduction</b> <b>3.2 Structure of plasma membrane: Fluid mosaic model.</b></p>	27.052021

Criterion II: Teaching – Learning and Evaluation

	Passcode: 96pye8		
8	<p>Niranjan Giri is inviting you to a scheduled Zoom meeting.</p> <p>Topic: Niranjan Giri's Zoom Meeting Time: May 28, 2021 11:00 AM Mumbai, Kolkata, New Delhi</p> <p>Join Zoom Meeting <a href="https://us04web.zoom.us/j/76613926783?pwd=b2VNanJLV3JTVkdOdzhpdjVJK2xtdz09">https://us04web.zoom.us/j/76613926783?pwd=b2VNanJLV3JTVkdOdzhpdjVJK2xtdz09</a></p> <p>Meeting ID: 766 1392 6783 Passcode: W58JqJ</p>	<b>3.3</b> Transport across membranes: Active and Passive transport, Facilitated transport, exocytosis, endocytosis, phagocytosis – vesicles and their importance in transport.	28.052021-
9	<p>Niranjan Giri is inviting you to a scheduled Zoom meeting.</p> <p>Topic: Niranjan Giri's Zoom Meeting Time: May 29, 2021 11:00 AM Mumbai, Kolkata, New Delhi</p> <p>Join Zoom Meeting <a href="https://us04web.zoom.us/j/76342729120?pwd=aFuU3hleHRIMGxTeW52bU9Sd01udz09">https://us04web.zoom.us/j/76342729120?pwd=aFuU3hleHRIMGxTeW52bU9Sd01udz09</a></p> <p>Meeting ID: 763 4272 9120 Passcode: 3Kru91</p>	<b>3.4</b> Other functions of Cell membrane in brief Protection, cell recognition, shape, storage, cell signalling. <b>3.5</b> Cell Junctions: Tight junctions, gap junctions, Desmosomes.	29.052021
10	<p>Niranjan Giri is inviting you to a scheduled Zoom meeting.</p> <p>Topic: Niranjan Giri's Zoom Meeting Time: May 31, 2021 12:00 PM Mumbai, Kolkata, New Delhi</p> <p>Join Zoom Meeting <a href="https://us04web.zoom.us/j/76417817259?pwd=R3EzWG1xY1h0UzhDK3hvb2dqERnZz09">https://us04web.zoom.us/j/76417817259?pwd=R3EzWG1xY1h0UzhDK3hvb2dqERnZz09</a></p> <p>Meeting ID: 764 1781 7259 Passcode: kwpY69</p>	<b>Nucleus: Structure and function</b> <b>4.1</b> Introduction to Nucleus <b>4.2</b> Structure of Nucleus: Nuclear envelope, Nuclear pore	31.052021
11	<p>Niranjan Giri is inviting you to a scheduled Zoom meeting.</p> <p>Topic: Niranjan Giri's Zoom Meeting Time: Jun 1, 2021 01:00 PM Mumbai, Kolkata, New Delhi</p> <p>Join Zoom Meeting</p>	complex, Nucleoplasm, Nucleolus <b>4.3</b> Chromatin: Eu-chromatin and Hetro-chromatin, nature and differences. <b>4.4</b> Functions of nucleus	1.062021

## Criterion II: Teaching – Learning and Evaluation

	<p><a href="https://us04web.zoom.us/j/76259926113?pwd=V3Nqa3RuckFvaTJUNzI5aHkyME9iUT09">https://us04web.zoom.us/j/76259926113?pwd=V3Nqa3RuckFvaTJUNzI5aHkyME9iUT09</a></p> <p>Meeting ID: 762 5992 6113 Passcode: hjgT5m</p>		
12	<p>Niranjan Giri is inviting you to a scheduled Zoom meeting.</p> <p>Topic: Niranjan Giri's Zoom Meeting Time: Jun 2, 2021 12:00 PM Mumbai, Kolkata, New Delhi</p> <p>Join Zoom Meeting <a href="https://us04web.zoom.us/j/73435209119?pwd=UHZLU2JSTUJuUUhvTldnWGdGOVFsQT09">https://us04web.zoom.us/j/73435209119?pwd=UHZLU2JSTUJuUUhvTldnWGdGOVFsQT09</a></p> <p>Meeting ID: 734 3520 9119 Passcode: 8aP2mx</p>	<p><b>Endomembrane System</b></p> <p><b>5.1 Introduction</b></p> <p><b>5.2 Structure, location and Functions: Endoplasmic Reticulum, Golgi apparatus, Lysosomes and vacuoles</b></p>	2.062021
13	<p>Niranjan Giri is inviting you to a scheduled Zoom meeting.</p> <p>Topic: Niranjan Giri's Zoom Meeting Time: Jun 3, 2021 12:00 PM Mumbai, Kolkata, New Delhi</p> <p>Join Zoom Meeting <a href="https://us04web.zoom.us/j/76710173483?pwd=QUhLWVZPSGZ6Z0NlbiIOREV5NStNz09">https://us04web.zoom.us/j/76710173483?pwd=QUhLWVZPSGZ6Z0NlbiIOREV5NStNz09</a></p> <p>Meeting ID: 767 1017 3483 Passcode: 3V0CSt</p>	<p><b>Mitochondria and Peroxisomes</b></p> <p><b>6.1 Introduction</b></p> <p><b>6.2 Mitochondria: ultrastructure and function of mitochondrion.</b></p> <p><b>6.3 Peroxisomes</b></p>	3.062021
14	<p>Niranjan Giri is inviting you to a scheduled Zoom meeting.</p> <p>Topic: Niranjan Giri's Zoom Meeting Time: Jun 5, 2021 12:00 PM Mumbai, Kolkata, New Delhi</p> <p>Join Zoom Meeting <a href="https://us04web.zoom.us/j/75187879962?pwd=dUY5RmhGdDZaa09Mc2pnNlhHL1dVUT09">https://us04web.zoom.us/j/75187879962?pwd=dUY5RmhGdDZaa09Mc2pnNlhHL1dVUT09</a></p> <p>Meeting ID: 751 8787 9962 Passcode: iv6hMc</p>	<p><b>Cell Division</b></p> <p><b>7.1 Introduction</b></p> <p><b>7.2 Cell cycle (G1, S, G2, M phases),</b></p> <p><b>7.3 Mitosis.</b></p> <p><b>7.4 Meiosis</b></p>	5.062021

**Department of Physics**

Dr. M.S. Shinde

[24/11/2020, 10:01 PM] Mahendra S Shinde: [https://youtu.be/nZYw\\_Pgcw2o](https://youtu.be/nZYw_Pgcw2o) atomic and molecular Physics by Dr. M. S. Shinde.

[30/11/2020, 2:41 PM] Mahendra S Shinde: Mahendra S Shinde is inviting you to a scheduled Zoom meeting. Topic: Mahendra S Shinde's Zoom Meeting Time: Nov 30, 2020 04:00 PM India Join Zoom

Meeting <https://us04web.zoom.us/j/78576160944?pwd=ZzE3TDUzVGg1a2VXSIVKMWg2MTRVdz09> Meeting ID: 785 7616 0944 Passcode: Phy123

[1/12/2020, 4:15 PM] Mahendra S Shinde: Mahendra S Shinde is inviting you to a scheduled Zoom meeting. Topic: TYBSC Time: Dec 1, 2020 07:00 PM India Join Zoom Meeting <https://us04web.zoom.us/j/3614523196?pwd=cm9SKzN0Mm9jNkVKNXlmR1NRM0hIdz09> Meeting ID: 361 452 3196 Passcode: PHYSY123

[2/12/2020, 2:37 PM] Mahendra S Shinde: Mahendra S Shinde is inviting you to a scheduled Zoom meeting. Topic: tybsc Time: Dec 2, 2020 07:00 PM India Join Zoom Meeting <https://us04web.zoom.us/j/3614523196?pwd=cm9SKzN0Mm9jNkVKNXlmR1NRM0hIdz09> Meeting ID: 361 452 3196 Passcode: PHYSY123

[2/12/2020, 7:54 PM] Mahendra S Shinde: Mahendra S Shinde is inviting you to a scheduled Zoom meeting. Topic: Mahendra S Shinde's Zoom Meeting Time: Dec 2, 2020 07:55 PM India Join Zoom

Meeting <https://us04web.zoom.us/j/3614523196?pwd=cm9SKzN0Mm9jNkVKNXlmR1NRM0hIdz09> Meeting ID: 361 452 3196 Passcode: PHYSY123

[3/12/2020, 4:23 PM] Mahendra S Shinde: Mahendra S Shinde is inviting you to a scheduled Zoom meeting. Topic: TYBSc SSP Time: Dec 3, 2020 05:00 PM India Join Zoom

Meeting <https://us04web.zoom.us/j/3614523196?pwd=cm9SKzN0Mm9jNkVKNXlmR1NRM0hIdz09> Meeting ID: 361 452 3196 Passcode: PHYSY123

[3/12/2020, 5:50 PM] Mahendra S Shinde: MS Shinde is inviting you to a scheduled Zoom meeting. Topic: Soham Shinde's Zoom Meeting Time: Dec 3, 2020 05:50 PM Mumbai, Kolkata, New Delhi Join Zoom

Meeting <https://us04web.zoom.us/j/72937234855?pwd=NGhLSTVldnliemRBWHFByzB5UWdLUT09> Meeting ID: 729 3723 4855 Passcode: 5R6kTU Sent from RediffmailNG on Android

[13/12/2020, 2:11 PM] Mahendra S Shinde: Mahendra S Shinde is inviting you to a scheduled Zoom meeting. Topic: TYBSc Physics Time: Dec 13, 2020 03:00 PM India Join Zoom

Meeting <https://us04web.zoom.us/j/3614523196?pwd=ZWhtM0cvSyt5QUNXUFRJWSt1RHEyQT09> Meeting ID: 361 452 3196 Passcode: PHY123

[13/12/2020, 2:14 PM] Mahendra S Shinde: Mahendra S Shinde is inviting you to a scheduled Zoom meeting. Topic: TYBSc Time: Dec 13, 2020 04:00 PM India Join Zoom Meeting <https://us04web.zoom.us/j/3614523196?pwd=ZWhtM0cvSyt5QUNXUFRJWSt1RHEyQT09> Meeting ID: 361 452 3196 Passcode: PHY123



## Criterion II: Teaching – Learning and Evaluation

[13/12/2020, 4:41 PM] Mahendra S Shinde: Mahendra S Shinde is inviting you to a scheduled Zoom meeting. Topic: TYBSc Physics Time: Dec 13, 2020 04:45 PM India Join Zoom

Meeting <https://us04web.zoom.us/j/3614523196?pwd=ZWhtM0cvSyt5QUNXUFRJWSt1RHEyQT09> Meeting ID: 361 452 3196 Passcode: PHY123

[15/12/2020, 12:10 PM] Mahendra S Shinde: Mahendra S Shinde is inviting you to a scheduled Zoom meeting. Topic: TYBSc T Physics ime: Dec 15, 2020 07:10 PM India Join Zoom

Meeting <https://us04web.zoom.us/j/3614523196?pwd=ZWhtM0cvSyt5QUNXUFRJWSt1RHEyQT09> Meeting ID: 361 452 3196 Passcode: PHY123

Dr. Mahendra S. Shinde

[15/12/2020, 7:55 PM] Mahendra S Shinde: Mahendra S Shinde is inviting you to a scheduled Zoom meeting. Topic: tybsc phy Time: Dec 15, 2020 08:00 PM India Join Zoom

Meeting <https://us04web.zoom.us/j/3614523196?pwd=ZWhtM0cvSyt5QUNXUFRJWSt1RHEyQT09> Meeting ID: 361 452 3196 Passcode: PHY123

[17/12/2020, 5:56 PM] Mahendra S Shinde: Mahendra S Shinde is inviting you to a scheduled Zoom meeting. Topic: TYBSc Physics Time: Dec 17, 2020 07:00 PM India Join Zoom

Meeting <https://us04web.zoom.us/j/3614523196?pwd=ZWhtM0cvSyt5QUNXUFRJWSt1RHEyQT09> Meeting ID: 361 452 3196 Passcode: PHY123

[21/12/2020, 10:27 AM] Mahendra S Shinde: Mahendra S Shinde is inviting you to a scheduled Zoom meeting. Topic: TYBSc Time: Dec 21, 2020 06:45 PM India Join Zoom

Meeting <https://us04web.zoom.us/j/3614523196?pwd=ZWhtM0cvSyt5QUNXUFRJWSt1RHEyQT09> Meeting ID: 361 452 3196 Passcode: PHY123

[23/12/2020, 7:47 AM] Mahendra S Shinde: Mahendra S Shinde is inviting you to a scheduled Zoom meeting. Topic: TYBSc Physics Time: Dec 23, 2020 02:00 PM India Join Zoom

Meeting <https://us04web.zoom.us/j/3614523196?pwd=ZWhtM0cvSyt5QUNXUFRJWSt1RHEyQT09> Meeting ID: 361 452 3196 Passcode: PHY123

[23/12/2020, 7:49 AM] Mahendra S Shinde: Mahendra S Shinde is inviting you to a scheduled Zoom meeting. Topic: TYBSc Physics Time: Dec 23, 2020 03:00 PM India Join Zoom

Meeting <https://us04web.zoom.us/j/3614523196?pwd=ZWhtM0cvSyt5QUNXUFRJWSt1RHEyQT09> Meeting ID: 361 452 3196 Passcode: PHY123

[23/12/2020, 3:58 PM] Mahendra S Shinde: Mahendra S Shinde is inviting you to a scheduled Zoom meeting. Topic: TYBSC PHYSICS Time: Dec 23, 2020 03:58 PM India Join Zoom

Meeting <https://us04web.zoom.us/j/3614523196?pwd=ZWhtM0cvSyt5QUNXUFRJWSt1RHEyQT09> Meeting ID: 361 452 3196 Passcode: PHY123

[26/12/2020, 9:47 AM] Mahendra S Shinde: <https://forms.gle/o8THoq4RyeFMb8Ee9>

[26/12/2020, 9:49 AM] Mahendra S Shinde: Attempt above link to attempt Computational Physics Internal Exam. Paper -V

[26/12/2020, 11:55 AM] Mahendra S Shinde: Registration link:- <https://us02web.zoom.us/meeting/register/tZAqdu2spjwiGNCRoFL2gI17H7ePiHyG6slv>

## Criterion II: Teaching – Learning and Evaluation

[29/12/2020, 10:08 AM] Mahendra S Shinde: Registration link:-  
<https://us02web.zoom.us/meeting/register/tZAqdu2spjwiGNCRoFL2g117H7ePiHyG6slv>

[30/12, 6:41 PM] Mahendra S Shinde: Mahendra S Shinde is inviting you to a scheduled Zoom meeting. Topic: TYBSc Physics Time: Dec 30, 2020 07:00 PM India Join Zoom Meeting <https://us04web.zoom.us/j/3614523196?pwd=ZWhtM0cvSyt5QUNXUFRJWSt1RHEyQT09> Meeting ID: 361 452 3196 Passcode: PHY123

[01/01, 6:41 PM] Mahendra S Shinde: Mahendra S Shinde is inviting you to a scheduled Zoom meeting. Topic: TYBSc Physics Time: Jan 1, 2021 07:00 PM India Join Zoom Meeting <https://us04web.zoom.us/j/3614523196?pwd=ttZWhtnmM0cvSyt5QUNXUFRJWSt1RHfgnQT04> Meeting ID: 361 452 3196 Passcode: PHY123

[02/01, 6:41 PM] Mahendra S Shinde: Mahendra S Shinde is inviting you to a scheduled Zoom meeting. Topic: TYBSc Physics Time: Jan 2, 2021 07:00 PM India Join Zoom Meeting <https://us04web.zoom.us/j/3614523196?pwd=ttZWhtnmM0cvSyt5QUNXUFRJWSt1RHEywef7> Meeting ID: 361 452 3196 Passcode: PHY123

[03/01, 6:41 PM] Mahendra S Shinde: Mahendra S Shinde is inviting you to a scheduled Zoom meeting. Topic: TYBSc Physics Time: Jan 3, 2021 07:00 PM India Join Zoom Meeting <https://us04web.zoom.us/j/3614523196?pwd=ttZWhtnmM0cvSyt5QUNXUFRJDFhfd5> Meeting ID: 361 452 3196 Passcode: PHY123

[04/01, 6:41 PM] Mahendra S Shinde: Mahendra S Shinde is inviting you to a scheduled Zoom meeting. Topic: TYBSc Physics Time: Jan 4, 2021 07:00 PM India Join Zoom Meeting <https://us04web.zoom.us/j/3614523196?pwd=xtZWhtnmM0sdfhcvSyt5QUNXUFRJWSHjjEERR2> Meeting ID: 361 452 3196 Passcode: PHY123

[07/01, 6:41 PM] Mahendra S Shinde: Mahendra S Shinde is inviting you to a scheduled Zoom meeting. Topic: TYBSc Physics Time: Jan 7, 2021 07:00 PM India Join Zoom Meeting <https://us04web.zoom.us/j/3614523196?pwd=ZWhtM0cvSyt5QUNXUFRJWSt1RHEyQT09> Meeting ID: 361 452 3196 Passcode: PHY123

[30/11/2020, 7:54 PM] Shubham Joshi: Mahendra S Shinde is inviting you to a scheduled Zoom meeting. Topic:SYBSc MMP Zoom Meeting Time: Dec 1, 2020 10:00 AM India Join Zoom Meeting <https://us04web.zoom.us/j/3614523196?pwd=cm9SKzN0Mm9jNkVKNXlmR1NRM0hIdz09> Meeting ID: 361 452 3196 Passcode: PHYSY123

[1/12/2020, 10:17 AM] Shubham Joshi: Mahendra S Shinde is inviting you to a scheduled Zoom meeting. Topic:SYBSc MMP Zoom Meeting Time: Dec 1, 2020 10:00 AM India Join Zoom Meeting <https://us04web.zoom.us/j/3614523196?pwd=cm9SKzN0Mm9jNkVKNXlmR1NRM0hIdz09> Meeting ID: 361 452 3196 Passcode: PHYSY123

[2/12/2020, 2:34 PM] Mahendra S Shinde: M. S Shinde is inviting you to a scheduled Zoom meeting. Topic: sybsc MMP Time: Dec 2, 2020 06:00 PM India Join Zoom Meeting <https://us04web.zoom.us/j/3614523196?pwd=cm9SKzN0Mm9jNkVKNXlmR1NRM0hIdz09> Meeting ID: 361 452 3196 Passcode: PHYSY123

## Criterion II: Teaching – Learning and Evaluation

[2/12/2020, 6:10 PM] Shubham Joshi: M. S Shinde is inviting you to a scheduled Zoom meeting. Topic: sybsc MMP Time: Dec 2, 2020 06:00 PM India Join Zoom Meeting <https://us04web.zoom.us/j/3614523196?pwd=cm9SKzN0Mm9jNkVKNXlmR1NRM0hIdz09> Meeting ID: 361 452 3196 Passcode: PHYSY123

[3/12/2020, 4:21 PM] Mahendra S Shinde: Mahendra S Shinde is inviting you to a scheduled Zoom meeting. Topic: MMP SYBSc. Time: Dec 3, 2020 06:00 PM India Join Zoom

Meeting <https://us04web.zoom.us/j/3614523196?pwd=cm9SKzN0Mm9jNkVKNXlmR1NRM0hIdz09> Meeting ID: 361 452 3196 Passcode: PHYSY123

[3/12/2020, 6:09 PM] Mahendra S Shinde: MS Shinde is inviting you to a scheduled Zoom meeting. Topic: Soham Shinde's Zoom Meeting Time: Dec 3, 2020 07:00 PM Mumbai, Kolkata, New Delhi Join Zoom

Meeting <https://us04web.zoom.us/j/75460653199?pwd=SThtRlFtcVpXMzBaVFVNajluNTNzdz09> Meeting ID: 754 6065 3199 Passcode: 3eZcs2

Sent from RediffmailNG on Android

[13/12/2020, 2:56 PM] Mahendra S Shinde: Mahendra S Shinde is inviting you to a scheduled Zoom meeting. Topic: SYBSc MMP Time: Dec 13, 2020 05:30 PM India Join Zoom

Meeting <https://us04web.zoom.us/j/3614523196?pwd=ZWhtM0cvSyt5QUNXUFRJWSt1RHEyQT09> Meeting ID: 361 452 3196 Passcode: PHY123

[13/12/2020, 6:14 PM] Mahendra S Shinde: Mahendra S Shinde is inviting you to a scheduled Zoom meeting. Topic: Mahendra S Shinde's Zoom Meeting Time: Dec 13, 2020 06:14 PM India Join Zoom

Meeting <https://us04web.zoom.us/j/3614523196?pwd=ZWhtM0cvSyt5QUNXUFRJWSt1RHEyQT09> Meeting ID: 361 452 3196 Passcode: PHY123

[15/12/2020, 12:04 PM] Mahendra S Shinde: S Shinde is inviting you to a scheduled Zoom meeting. Topic: SYBSc MMP Time: Dec 15, 2020 06:00 PM India Join Zoom Meeting

[httMahendraps://us04web.zoom.us/j/3614523196?pwd=ZWhtM0cvSyt5QUNXUFRJWSt1RHEyQT09](https://us04web.zoom.us/j/3614523196?pwd=ZWhtM0cvSyt5QUNXUFRJWSt1RHEyQT09) Meeting ID: 361 452 3196 Passcode: PHY123

[15/12/2020, 6:50 PM] Mahendra S Shinde: SYBSc MMP is inviting you to a scheduled Zoom meeting. Topic: Mahendra S Shinde's Zoom Meeting Time: Dec 15, 2020 06:50 PM India Join Zoom

Meeting <https://us04web.zoom.us/j/3614523196?pwd=ZWhtM0cvSyt5QUNXUFRJWSt1RHEyQT09> Meeting ID: 361 452 3196 Passcode: PHY123

[17/12/2020, 5:52 PM] Mahendra S Shinde: Mahendra S Shinde is inviting you to a scheduled Zoom meeting. Topic: SYBSc MMP Time: Dec 17, 2020 06:00 PM India Join Zoom

Meeting <https://us04web.zoom.us/j/3614523196?pwd=ZWhtM0cvSyt5QUNXUFRJWSt1RHEyQT09> Meeting ID: 361 452 3196 Passcode: PHY123

[21/12/2020, 10:24 AM] Mahendra S Shinde: Mahendra S Shinde is inviting you to a scheduled Zoom meeting. Topic: SYBSc MMP Physics Time: Dec 21, 2020 05:30 PM India Join Zoom

Meeting <https://us04web.zoom.us/j/3614523196?pwd=ZWhtM0cvSyt5QUNXUFRJWSt1RHEyQT09> Meeting ID: 361 452 3196 Passcode: PHY123

## Criterion II: Teaching – Learning and Evaluation

[21/12/2020, 5:39 PM] Mahendra S Shinde: Mahendra S Shinde is inviting you to a scheduled Zoom meeting. Topic: SYBSc MMP Time: Dec 21, 2020 05:40 PM India Join Zoom

Meeting <https://us04web.zoom.us/j/3614523196?pwd=ZWhtM0cvSyt5QUNXUFRJWSt1RHEyQT09> Meeting ID: 361 452 3196 Passcode: PHY123

[23/12/2020, 7:51 AM] Mahendra S Shinde: Mahendra S Shinde is inviting you to a scheduled Zoom meeting. Topic: SYBSc MMP Time: Dec 23, 2020 06:00 PM India Join Zoom

Meeting <https://us04web.zoom.us/j/3614523196?pwd=ZWhtM0cvSyt5QUNXUFRJWSt1RHEyQT09> Meeting ID: 361 452 3196 Passcode: PHY123

[26/12/2020, 11:55 AM] Mahendra S Shinde: Registration link:- <https://us02web.zoom.us/meeting/register/tZAqdu2spjwiGNCRoFL2gI17H7ePiHyG6slv>

[27/12/2020, 8:59 AM] Mahendra S Shinde: Look what I shared: M.J.M. Arts, Comm. and Sci.College Karanjali (Peth), Dist-Nashik,

@MIUI| [https://docs.google.com/forms/d/1SCef0FkfK4jtLFSsB2vcDQNrV7VnhejirNYt4mqZVOY/viewform?chromeless=1&edit\\_requested=true](https://docs.google.com/forms/d/1SCef0FkfK4jtLFSsB2vcDQNrV7VnhejirNYt4mqZVOY/viewform?chromeless=1&edit_requested=true)

[29/12/2020, 10:08 AM] Mahendra S Shinde: Registration link::

<https://us02web.zoom.us/meeting/register/tZAqdu2spjwiGNCRoFL2gI17H7ePiHyG6slv>