



Rayat Shikshan Sanstha's
Annasaheb Awate Arts, Commerce & Hutatma Babu Genu Science College
Manchar, Tal. Ambegaon, Dist. Pune
(Reaccredited with 'A' Grade by NAAC)
Affiliated by Savitribai Phule Pune University, Pune

CRITERION II - TEACHING-LEARNING AND EVALUATION

AQAR 2022-23

2.3 TEACHING - LEARNING PROCESS

2.3.2 - Teachers use ICT enabled tools for effective teaching-learning process.

List of Documents:

- 1. Link for E-content on college website.**
- 2. ICT facilities available in college campus.**
- 3. Record of ICT enabled tools used (sample).**
- 4. Glimpse of ICT enabled tools used.**

Link for E-content on college website

Sr. No.	Criteria	Link of College Website
1.	ICT enabled facilities	https://aacmanchar.edu.in/audio_visual_room.php
2.	Video Lectures/ Power point Presentation	https://aacmanchar.edu.in/online_education.php
3.	Knowledge Resource Center	https://aacmanchar.edu.in/library/index.php
4.	E-Learning Facility to the readers	https://aacmanchar.edu.in/library/e_learning.php
5.	E-Resources	https://aacmanchar.edu.in/library/e_resources.php



ICT enabled Tools

1. Laptops:

Sr. No.	Particular's	Number
1	Principal Cabin	01
2	OS Cabin	01
3	Office	02
4	IQAC	01
5	Department of Biotech	01
6	Department of Zoology	01
7	Department of Junior Science	01
8	Department of BCA	01
9	Department of Mathematics	01
10	Department of Chemistry	01
11	Department of Physics	01
12	Department of Marathi	01
13	Department of Economics	01
14	Department of History	01
Total		14

2. LCD Projector

Sr. No.	Particular's	Number
1	Hall-Auditorium	01
2	Principal Cabin	01
3	Department- Biotech	01
4	Zoology	01
5	Junior Science	01
6	BCA	01
7	Mathematics	01
8	Chemistry (A010)	01
9	Physics Lab	01
10	Electronics Lab	01
11	English	01
12	Commerce	01
13	B.Voc. (Food) (Hall No. 31)	01
14	Botany	01
15	Hall No.- A 06	01
16	A08	01
17	A16	01
18	B01	01
19	B03	01
20	B11	01
21	B14	01
22	C03	01
23	C04 A	01
24	C04 B	01
Total		24



ICT
Lea



3. **Internet/Wi-fi Connections:** 3 Connections with 100, 50 & 30 mbps speed respectively.

Sr. No.	Speed	Vendor
1	100 mbps	SCC Cable Network
2	50 mbps	Saurav Broadband
3	30 mbps	Saurav Broadband

4. **Computers:**

Sr. No.	Particular's	Number
1	Commerce Computer Lab	16
2	English Language Lab	16
3	B.Voc. (Acc. & Tax.) Computer Lab	21
4	Physics Computer Lab	10
5	Electronics Computer Lab	06
6	BBA (CA) Computer Lab	40
7	Departmental Computers	17
8	Office	10
Total		136

5. **Routers:** 15 Routers were installed at different zones in campus.


6. **You tube Link:** 595 Videos were uploaded at college you-tube channel with 6.64 K subscribers.

7. **You Tube channel link:**

<https://www.youtube.com/channel/UCIPmGFordjTbP5mIPyG84EA/about>

8. **Digital LibraryLink:** <https://aaclibrary01.wixsite.com/mysite-aaclibrary/home>




Principal
Annasaheb Awate College,
Manchar, Dist.Pune




Rayat Shikshan Sanstha's
Annasaheb Awate Arts, Commerce & Hutatma Babu Genu Science College, Manchar
Tal- Ambegaon, Dist- Pune 410503

2.3.2 Number of classrooms and seminar halls with ICT- enabled facilities such as smart class, LMS, etc.

Room number or Name of classrooms/Seminar Hall with LCD/ wifi/LAN facilities with room numbers	Type of ICT facility
A-01 Auditorium Hall	LCD Projector, Internet Connection- LAN and wifi, Recording Facilities.
A-02 Lecture Hall	Wi-fi
A-03 Lecture Hall	Wi-fi
A-04 Lecture Hall	Wi-fi
A-05 Lecture Hall	Wi-fi
A-06 Lecture Hall	LCD Projector, Internet Connection- Wi-fi
A-07 Department of Geography	Computer, Internet Connection- - LAN and wifi
A-08 Lecture Hall	LCD Projector, Internet Connection- Wi-fi
A-09 M.Sc. Practical Lab	Internet Connection- - LAN and wifi
A-010 Physical chemistry Lab	Smart Board, LCD Projector, Internet Connection- Wi-fi, LAN
A-011 Department of Chemistry (Staff Room)	Computer, Internet Connection- - LAN and wifi
A-012 Organic Chemistry Lab (Sr.)	Computer, Internet Connection- - LAN and wifi
A-013 Inorganic Chemistry Lab/Research Lab	Computer, Internet Connection- - LAN and wifi
A-1.1 Department of Physics (Staff Room)	Computer, Internet Connection- - LAN and wifi
A- 1.2 Physics Lab (Sr.)	Internet Connection- - LAN and wifi
A- 1.3 Physics and Electronic Lab & Computer Lab	Computer, Internet Connection- - LAN and wifi
A- 2.1 Department of Botany (Staff Room)	Computer, Internet Connection- - LAN and wifi
A- 2.2 Botany Lab	LCD Projector, Internet Connection- Wi-fi
A- 2.3 Botany Lab (Tissue Culture)	Computer, Internet Connection- - LAN and wifi
A- 2.4 Department of Zoology (Staff Room)	Computer, Internet Connection- - LAN and wifi
A- 2.5 Zoology Lab (Sr.)	Computer, Internet Connection- - LAN and wifi
A-1.10 M.Sc. Botany Ph.D. Research Centre (Lab)	Internet Connection- - LAN and wifi
A- 19 Biology Lab	Internet Connection- - LAN and wifi



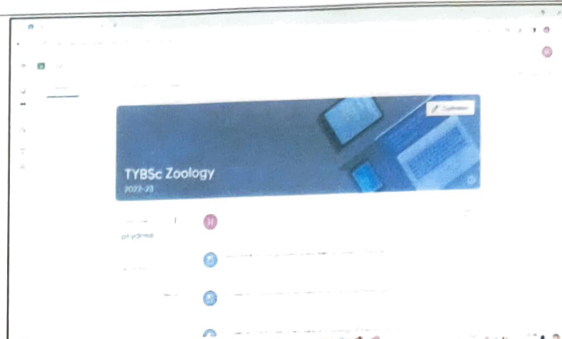
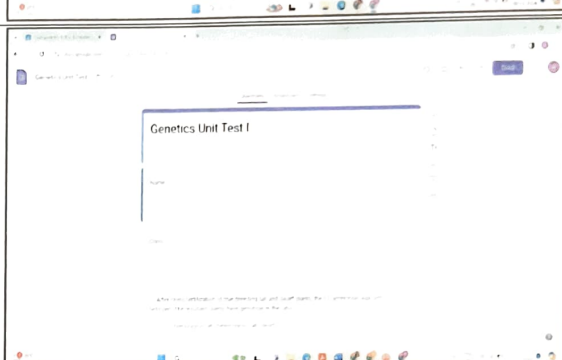
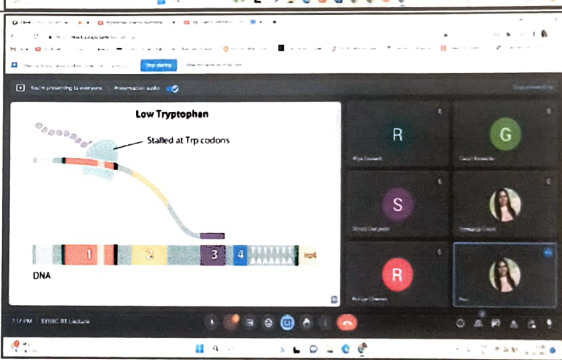
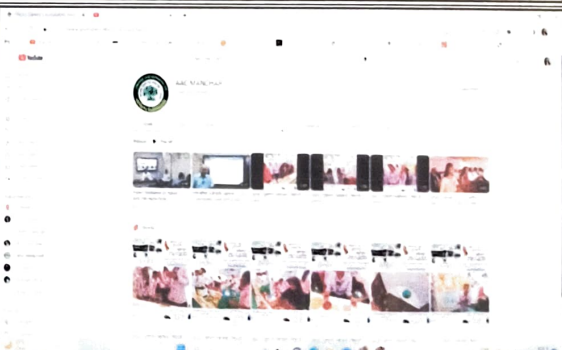
A- 18 Lecture Hall	Internet Connection- - LAN and wifi
A- 17 Lecture Hall	Internet Connection- - LAN and wifi
A- 16 Lecture Hall	LCD Projector, Internet Connection- - LAN and wifi
A- 15 Lecture Hall	Internet Connection- - LAN and wifi
A- 14 Lecture Hall	Internet Connection- - LAN and wifi
A- 13 Lecture Hall	Internet Connection- - LAN and wifi
A- 12 Lecture Hall	Internet Connection- - LAN and wifi
A- 11 Department of BBA(CA) – Staff Room, Class room, Lecture Hall	LCD Projector, Computer, Internet Connection- LAN and wifi
Video Recording Studio	Video Recording, Computer, Internet Connection- LAN and wifi
B-01 Lecture Hall	Projector, Internet Connection- - LAN and wifi
B-02 Lecture Hall	Internet Connection- - LAN and wifi
B-03 Lecture Hall	Projector, Internet Connection- - LAN and wifi
B-04 Lecture Hall	Internet Connection- - LAN and wifi
B-11 Lecture Hall	Projector, Internet Connection- - LAN and wifi
B-12 Lecture Hall	Internet Connection- - LAN and wifi
B-13 Lecture Hall	Internet Connection- - LAN and wifi
B-14 Lecture Hall	Projector, Internet Connection- - LAN and wifi
L-7 Department of Commerce-Lecture Hall, Computer lab.	Projector, Computer, Internet Connection- LAN and wifi
L-8 Department of English- Language Lab	Projector, Computer, Internet Connection- LAN and wifi
L-10 Department of Bio Technology and Environment Research Centre	Projector, Computer, Internet Connection- LAN and wifi
L-11 Lecture Hall of Bio Technology	Internet Connection- LAN and wifi
L-12 – MPSC Competitive Exam Centre-Reading Hall	Projector, Internet Connection- LAN and wifi
L-14 Lecture Hall	Internet Connection- LAN and wifi
C-01 Food technology Lab - Lecture Hall and staff room.	Computer, Internet Connection- LAN and wifi
C-02 Lecture Hall	Internet Connection- LAN and wifi
C-03 Lecture Hall	Internet Connection- LAN and wifi
C-04 A-Lecture Hall	Internet Connection- LAN and wifi
C-04 B- Lecture hall	Projector Internet Connection- LAN and wifi
C-05 A- Lecture Hall	Internet Connection- LAN and wifi
C-05 B- Lecture Hall	Internet Connection- LAN and wifi


 Anusahab Awate Arts, Commerce,
 Jitendra Babu Guru Science College
 Manchar, Dist. Pune (Mah.)

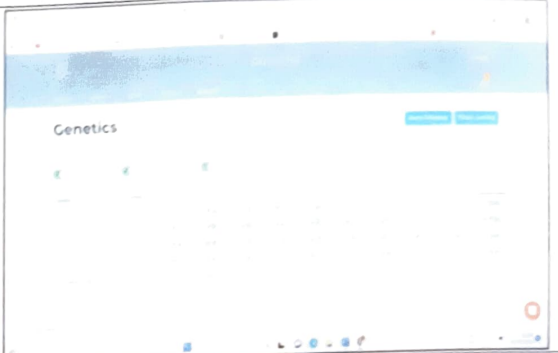
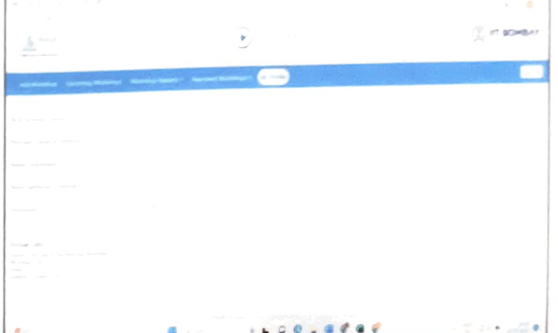
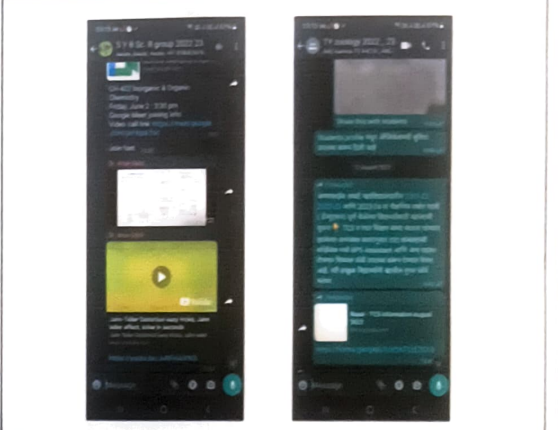
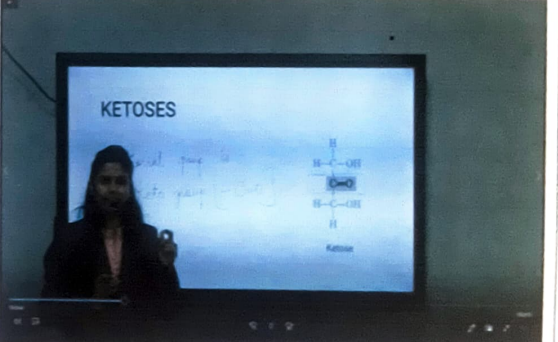
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CRITERION II: TEACHING-LEARNING AND EVALUATION (350)

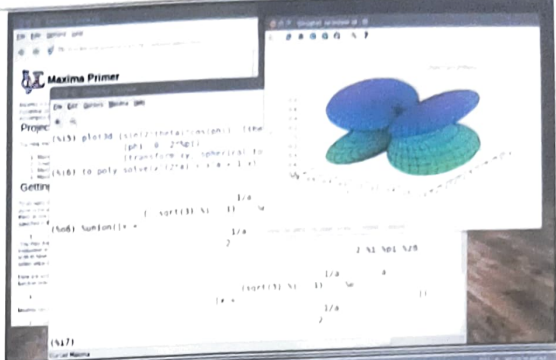
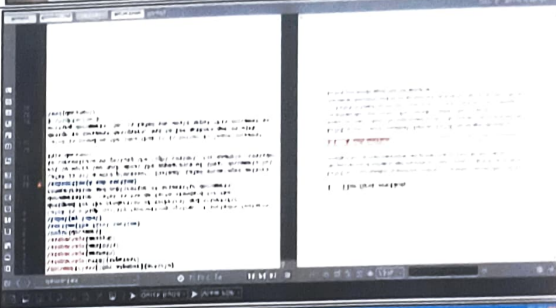
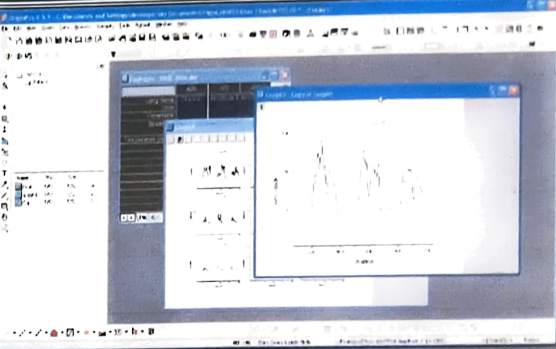
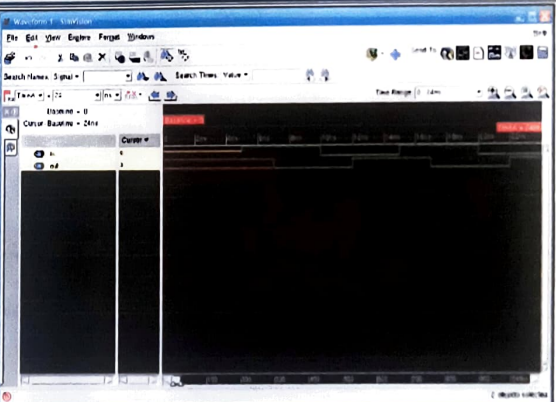
A.Y. 2022-23

Sr. No.	Name of the ICT Tool & Use	Photograph
1.	<p>Google Classroom Google classrooms are used for disseminating study materials, conducting online lectures and assessments.</p>	
2.	<p>Google forms Google forms are used for assessments.</p>	
3.	<p>Google Meet/ ZOOM Online lectures are conducted via google meet/ ZOOM platform.</p>	
4.	<p>YouTube Channel The video lectures of faculty members are uploaded on College YouTube Channel. Faculty members also use educational videos, animations published on YouTube channels.</p>	

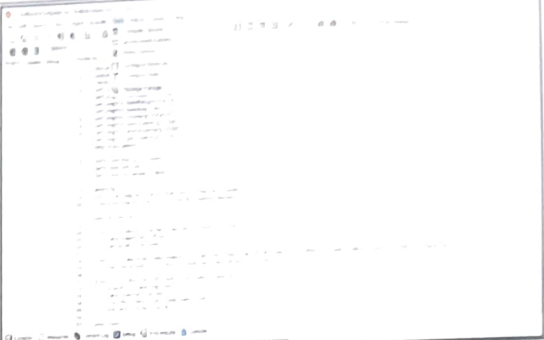
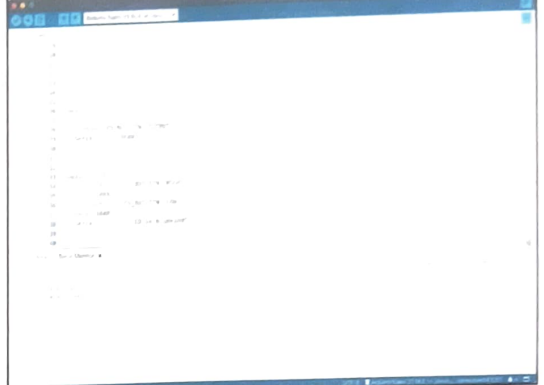

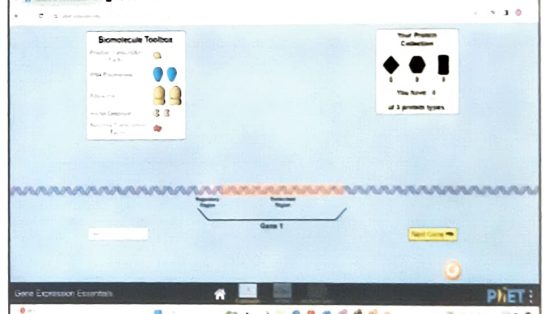


5.	<p>Socratives an online tool for teachers to give quizzes and on-the-fly assessments to students</p>	
6.	<p>Virtual Labs by IIT-B Virtual labs provide remote access to simulation-based Labs in various disciplines of Science and Engineering.</p>	
7.	<p>WhatsApp WhatsApp is used for disseminating study material, information related to examinations etc.</p>	
8.	<p>Smartboards Smartboards provide interactive tool for teachers and students that allows users to edit and annotate directly on the screen with a stylus or their finger.</p>	

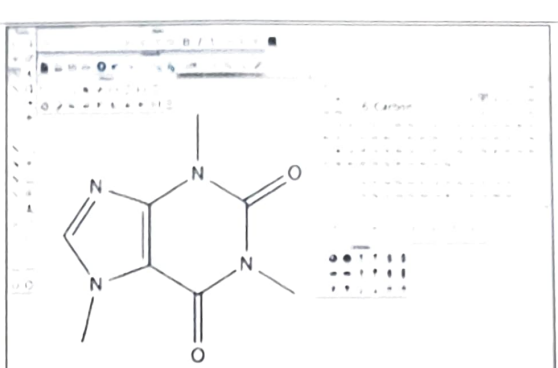
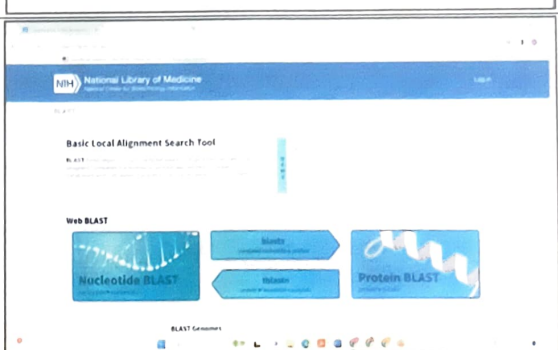
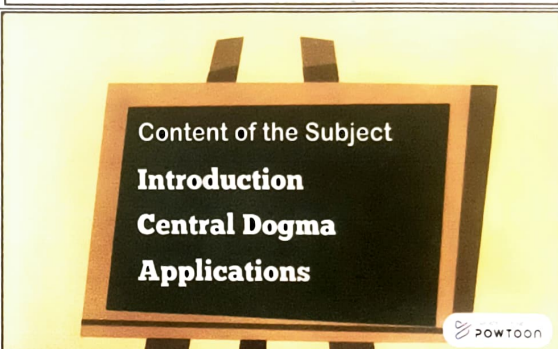
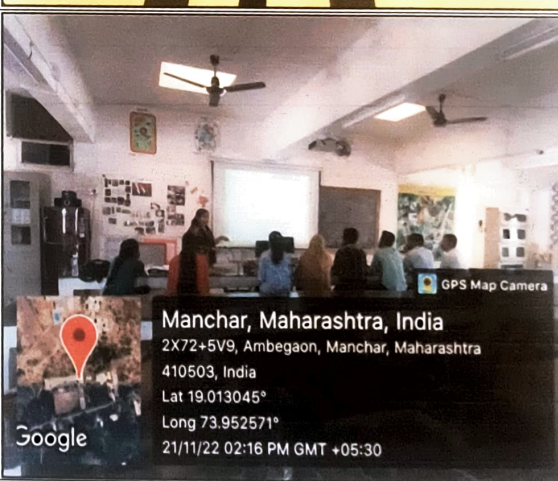


9.	<p>Maxima It is used for performing computer algebra calculations in mathematics and the physical sciences.</p>	
10.	<p>LaTeX LaTeX is a document preparation system used for the communication and publication of scientific documents.</p>	
11.	<p>Origin It is a computer program for interactive scientific graphing and data analysis.</p>	
12.	<p>Verilog Verilog is used to describe the behaviour of a logic circuit at gate level.</p>	

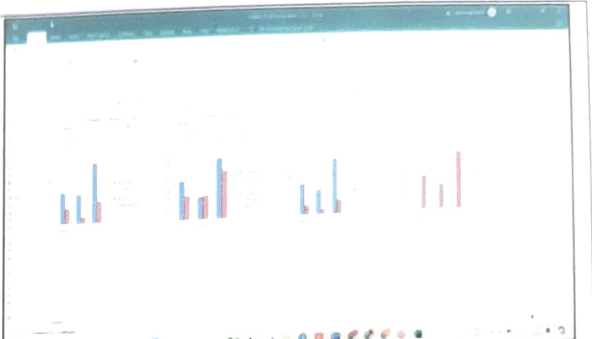
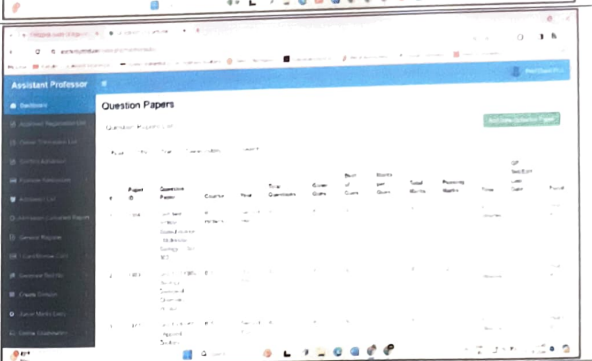
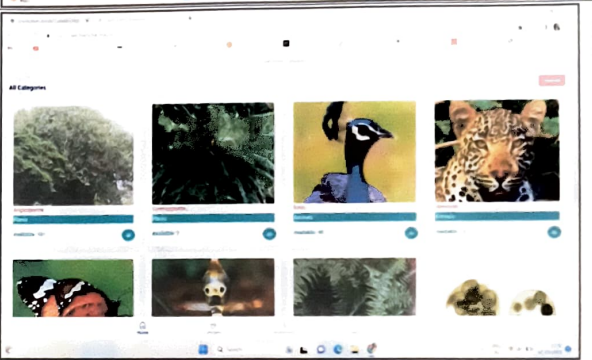
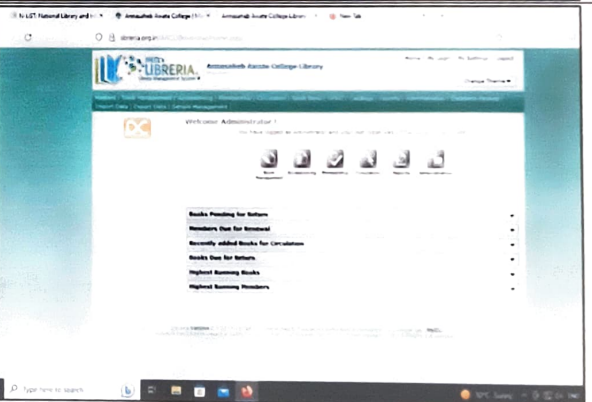


13.	<p>Dev C++ Dev C++ is a complete IDE for the C++ language. The IDE uses a MinGW port of GCC (GNU Compiler Collection) as its compiler.</p>	
14.	<p>Arduino Arduino is used to write code and upload it to the board</p>	
15.	<p>Tally It is used to calculate monetary quantities, accountancy, tax, and GST (Goods and Services Tax) amounts, as well as manage commercial transactions effectively and efficiently</p>	
16.	<p>PhET It is used for interactive simulations of science concepts.</p>	

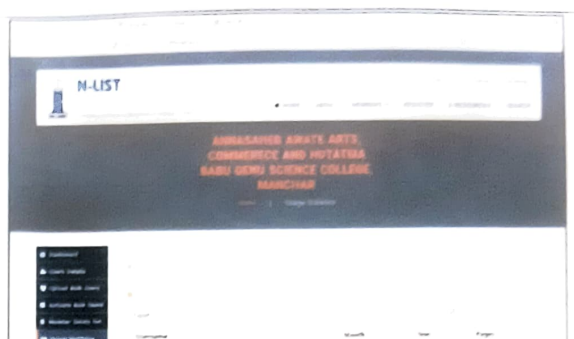
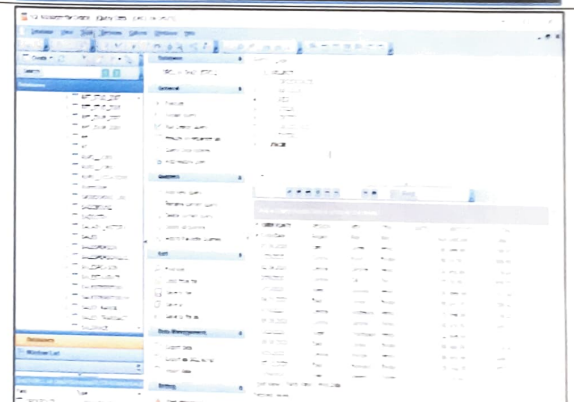
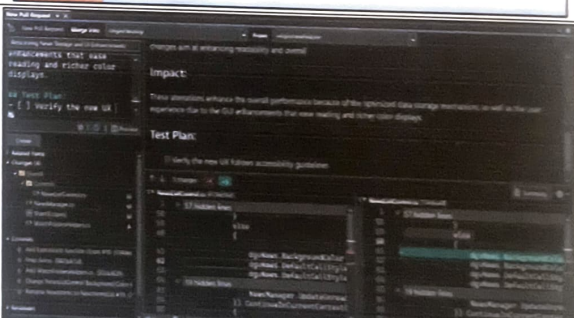


17.	<p>Chemdraw Chemdraw is used to draw the structure of chemical compounds.</p>	
18.	<p>BLAST NCBI The program compares nucleotide or protein sequences to sequence databases and calculates the statistical significance.</p>	
19.	<p>Powtoon Powtoon is used for creating animated presentations and animated explainer videos</p>	
20.	<p>Powerpoint It is used to create clean slideshow presentations and recording video lectures.</p>	

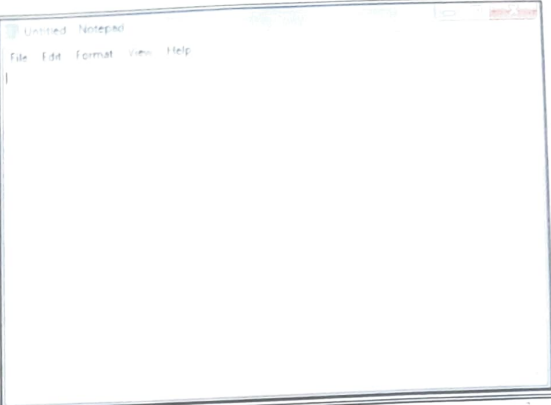
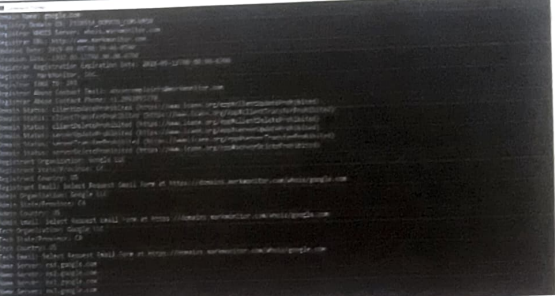
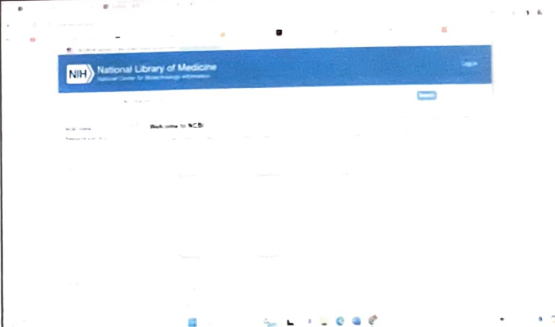
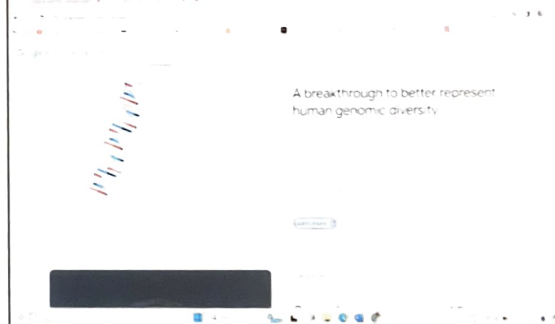


21.	<p>Excel Excel workbook is used to collect, organize information and analyse it.</p>	
22.	<p>Rayat ERP It is used for evaluation process.</p>	
23.	<p>Biodiversity portal It provides information on biodiversity present in and around college campus.</p>	
24.	<p>Libreria It is a Library Management Software</p>	



25.	<p>N-List It provides access to e-resources to students, researchers and faculty from colleges</p>	
26.	<p>Python It is a high-level, general-purpose programming language.</p>	<pre> 1 #modeling the person class 2 class Person(): 3 #method to initialize name and age attributes. 4 def __init__(self,name, age): 5 self.name = name 6 self.age = age 7 #method to demonstrate what a person eats 8 def eat(self): 9 print(self.name.title() + "eats Matooke and rice") 10 print("She is"+ str(self.age) + " years old") 11 def drink(self): 12 print("Drinks water") 13 #instantiating a class. 14 my_sister = Person("Haniifa", 30) 15 #Accessing the class method through the class object. 16 my_sister.eat() 17 </pre>
27.	<p>Oracle It is used to create and manage databases.</p>	
28.	<p>Visual Studio It is used to develop computer programs including websites, web apps, web services and mobile apps.</p>	



29.	<p>Notepad Notepad is a text editor, i.e., an app specialized in editing plain text.</p>	
30.	<p>JDK 7 It is used for building applications, applets, and components using the Java programming language</p>	
31.	<p>NCBI NCBI is a leading source for public biomedical databases, software tools for analyzing molecular and genomic data, and research in computational biology</p>	
32.	<p>Google AI It is used to analyze and understand the content of webpages.</p>	



Principal
Annasaheb Awate Arts, Commerce &
Smt. Jyoti Babu Genu Science College,
Maharashtra, Tal. Ambegaon, Dist. Pune

Santosh Noronha
Chemical Engineering :
Healthcare, Educational Tech :
Indian Institute of Technology Bombay, Powai, Mumbai, 400 076, India.

noronha@iitb.ac.in
(22)25767238 / 25764246
(22)25764227

NCID - 249

VL/MP4/NC249/23

14th February 2023

To,

Dr Kaluram Kanade

**Annasaheb Awate Arts, Commerce and Hutatma Babu Genu Science College, Manchar
Annasaheb Awate Arts, Commerce and Hutatma Babu Genu Science College, Manchar,
Tak. Ambegaon, Dist. Pune
Pune - 410503, Maharashtra**

Dear Sir/Madam,

With reference to your Expression of Interest for Virtual Labs Nodal Centre (VLNC), it gives me immense pleasure to designate your college as a Nodal Centre for Virtual labs. As recommended by you, following have been nominated from your college,

Nodal Coordinator : **Prof Hemangi Gavit**

Nodal Technical Coordinator : **Prof Afroj Dange**

This approval is valid up to 31st Dec 2023 and is subject to the Terms and Conditions mentioned in the EoI and any subsequent directives as issued by MoE. Kindly acknowledge receipt of this letter and acceptance of the Terms and Conditions.

We thank you again for your interest in the Virtual Labs project and appreciate your endeavour in the service of the student community. Wishing you all the best!

Sincerely,



Prof. Santosh Noronha



Rayat Shikshan Sanstha's
Annasaheb Awate Arts, Commerce and Hutatma Babu Genu Science College
Manchar, Tal. Ambegaon, Dist. Pune-410503.



Department of Chemistry

T.Y.B.Sc. Chemistry

Notice

Date : 01/05/2023

All students of T.Y.B.Sc. are hereby informed that your virtual lab practicals is scheduled on 08th May 2023 as per attached timetable. Attendance is mandatory to all students.

Subject	Physical	Inorganic	Organic
Date	08/05/2023	08/05/2023	08/05/2023
Time	11:00 am – 12:30 pm	1:00 pm to 2:30 pm	3:00 pm to 4:30 pm

Head

Department of Chemistry
A. A. College, Manchar,
Tal. Ambegaon, Dist. Pune





Rayat Shikshan Sanstha's
Annasaheb Awate Arts, Commerce and Hutatma Babu Genu Science College
Manchar, Tal. Ambegaon, Dist. Pune-410503.



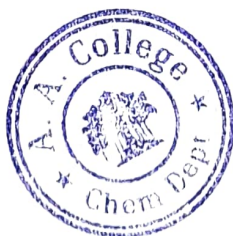
Department of Chemistry

T.Y.B.Sc. Chemistry

Timetable

Date : 8th May 2023

Subject	Physical	Inorganic	Organic
Date	08/05/2023	08/05/2023	08/05/2023
Time	11:00 am – 12:30 pm	1:00 pm to 2:30 pm	3:00 pm to 4:30 pm



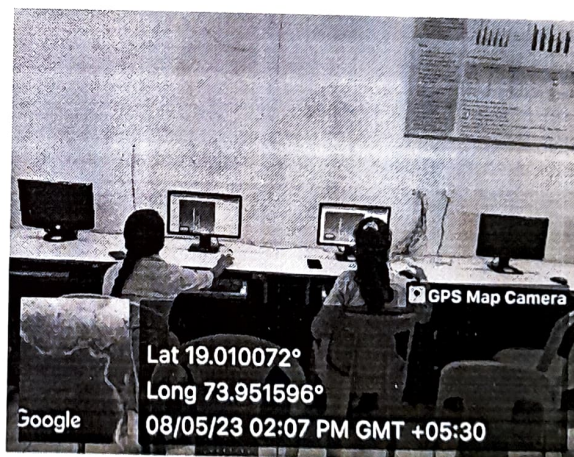
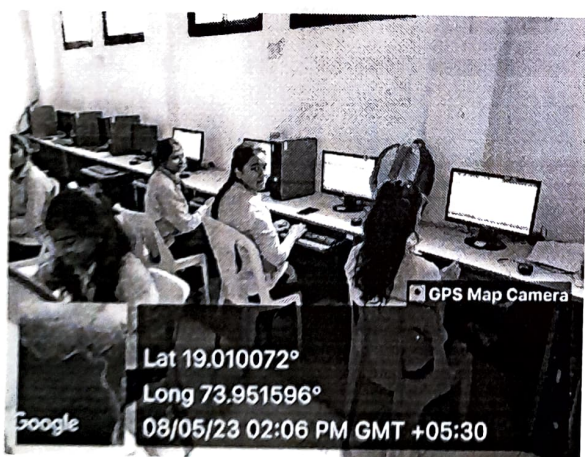
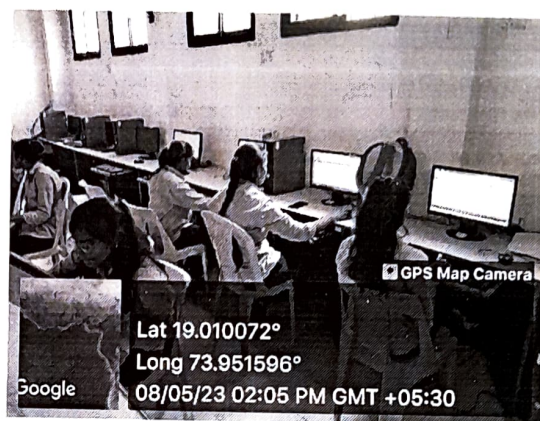
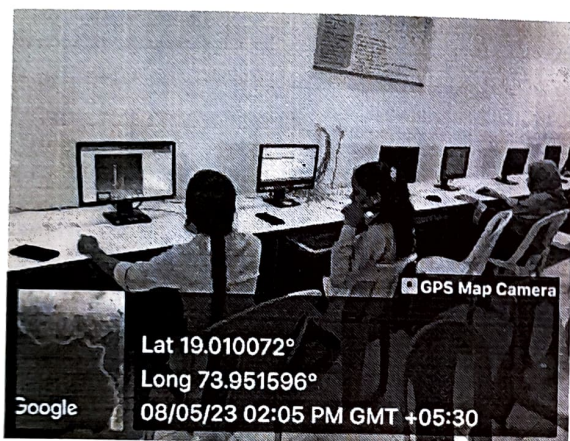


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Manchar, Tal. Ambegaon, Dist. Pune-410503.



Department of Chemistry
Virtual Lab Practicals
T.Y.B.Sc. Chemistry
Photo-Gallery

Date : 8th May 2023



Students Performing Practical's on Amrita Vishvavidhyapith Physical
Chemistry Laboratory





Rayat Shikshan Sanstha's
Annasaheb Awate Arts, Commerce and Hutatma Babu Genu Science College
Manchar, Tal. Ambegaon, Dist. Pune-410503.



Department of Chemistry
Virtual Lab Practical's
T.Y.B.Sc. Chemistry
Attendance

Date : 8th May 2023

Roll No	Student Name	Physical	Inorganic	Organic
4418	Nighot Shruti Rahul	Shruti	Shruti	Shruti
4419	Ohol Mayuri Tukaram	Mayuri	Mayuri	Mayuri
4468	Pingale Adesh Babasaheb	Pingale	Pingale	Pingale
4420	Pingale Durga Santosh	Pingale	Pingale	Pingale
4421	Pokharkar Kajal Rajendra	Pokharkar	Pokharkar	Pokharkar
4422	Pokharkar Omkar Kaluram	Omkar	Omkar	Omkar
4423	Pokharkar Priyanka Rajendra	Priyanka	Priyanka	Priyanka
4424	Pokharkar Sakshi Shankar	Sakshi	Sakshi	Sakshi
4425	Pokharkar Samruddhi Subhash	Samruddhi	Samruddhi	Samruddhi
4426	Rokade Diksha Sanjay	Diksha	Diksha	Diksha
4427	Shinde Akshay Ganesh	Akshay	Akshay	Akshay
4428	Somvanshi Shruti Sanjay	Shruti	Shruti	Shruti
4429	Supe Dipali Soma	Supe	Supe	Supe
4431	Teke Sakshi Sandip	Sakshi	Sakshi	Sakshi
4474	Thorat Chetan Ankush	Chetan	Chetan	Chetan
4432	Vidhate Yogesh Dasharath	Yogesh	Yogesh	Yogesh
4433	Wable Rani Kailas	Rani	Rani	Rani
4434	Wayal Neeta Pravin	Neeta	Neeta	Neeta
4435	Wayal Nikita Dattatray	Nikita	Nikita	Nikita





Rayat Shikshan Sanstha's
Annasaheb Awate Arts, Commerce and Hutatma Babu Genu Science College
Manchar, Tal. Ambegaon, Dist. Pune-410503.



Department of Chemistry
Virtual Lab Practical's
T.Y.B.Sc. Chemistry
Attendance

Date : 8th May 2023

Roll No	Student Name	Physical	Inorganic	Organic
4475	Momin Minaz Mohammad Ishaque	Momin	Momin	Momin
4406	Ansari Fija Latif	Ansari	Ansari	Ansari
4407	Badhekar Siddhesh Balasaheb	Badhekar	Badhekar	Badhekar
4469	Bhagwat Dnyanesh Vitthal	Bhagwat	Bhagwat	Bhagwat
4471	Chavan Anil Sanjay	Chavan	Chavan	Chavan
4408	Davane Omkar Subhhash	Davane	Davane	Davane
4409	Gawade Payal Kaluram	Gawade	Gawade	Gawade
4476	Gawari Aishwarya Dnyaneshwar	Gawari	Gawari	Gawari
4410	Hinge Priyanka Eknath	Hinge	Hinge	Hinge
4411	Hinge Shubham Ramdas	Hinge	Hinge	Hinge
4412	Jadhav Minal Sahebrao	Jadhav	Jadhav	Jadhav
4413	Kale Priyanka Rajendra	Kale	Kale	Kale
4414	Karale Sarthak Ramesh	Karale	Karale	Karale
4473	Khebade Pratik Santosh	Khebade	Khebade	Khebade
4472	Kurkute Vinay Bharat	Kurkute	Kurkute	Kurkute
4477	Kurkute Vinay Bharat	Kurkute	Kurkute	Kurkute
4478	Lohakare Shivani Ramchandra	Lohakare	Lohakare	Lohakare
4470	Lokhande Jay Pandharinath	Lokhande	Lokhande	Lokhande
4415	Marade Dipali Nivrutti	Marade	Marade	Marade
4416	Nighot Divya Sudhir	Nighot	Nighot	Nighot
4417	Nighot Sayali Arun	Nighot	Nighot	Nighot



Rayat Shikshan Sanstha's
Annasaheb Awate Arts, Commerce & Hutatma Babu Genu Science
College, Manchar, Pune
Department of Electronic Science
ICT Enabled Tools
2022-23

ICT-enabled tools for effective teaching and learning process

The Institute follows ICT enabled teaching in addition to the traditional classroom education. Subsequent efforts are taken by the institute to provide e-learning atmosphere in the classroom. College uses Information and Communication Technology (ICT) in education to support, enhance, and optimize the delivery of education.

ICT Tools:

1. Projectors- 1 projectors are available in lab.
2. Desktop and Laptops- There are 6 Computer in the lab.
3. Printers- They are installed at Labs.
4. Seminar Rooms- 1 seminar halls are equipped with all digital facilities.
5. Auditorium- It is digitally equipped with mike, projector, cameras and computer system
6. Online Classes through Zoom, Google Meet, Google Classroom)

Use of ICT By Faculty

A. PowerPoint presentations- Faculties are encouraged to use power-point presentations in their teaching by using LCD's and projectors. They are also equipped by digital library, online search engines and websites to prepare effective presentations.

B. Industry Connect- Seminar and Conference room are digitally equipped where guest lectures, expert talks and various competitions are regularly organized for students.

C. Online quiz- Faculties prepare online quiz for students after the completion of each unit with the help of GOOGLE FORMS.

D. Video Conferencing- Students are counseled with the help of Zoom / Google meet applications.

E. Video lecture- Recording of video lectures is made available to students for long term learning and future referencing.


F. Online competitions- Various technical events such as Poster making, Project presentations, paper presentations etc. are being organized with the help of various Information Communication Tools.

G. Workshops- Teachers use various ICT tools for conducting workshops on latest methods such as Orcad, Proteus, Programming languages, simulations etc.


Head
Dept. of Electronic Science
A. A. College, Manchar

Rayat Shikshan Sanstha's
Annasaheb Awate Arts, Commerce & Hutatma Babu Genu Science College, Manchar, Pune
Academic year 2022-23
List of PowerPoint Presentations
Department: Electronic Science

Sr. No	Name of the Teacher	Number of PPTs Available
PPTs		
1	Ms. A M Dange	33
2	Ms. J B Khilari	17
3	Video Recording	11
4	Animation PPT	13
5	Software	11
6	Virtual Lab	02
7	E-Content	152


Head
Dept. of Electronic Science
A. A. College, Manchar

Aspects: Use of ICT for effective teaching, Learning & Evaluation

Sr. No.	Use of ICT for effective teaching, Learning & Evaluation
1	Use of LCD in Classroom
2	Use of smart boards in Classroom
3	Internet connectivity in Classroom
4	Use of Online Lectures / Video Lectures
5	Providing E-Contents / E-Courses
6	Use of Online Tests / Online Quiz, etc.



Head

Department of Chemistry
A A College, Manchar
Tal. Anibegaon Dist. Pune

Principal
Annasaheb Kuvate College,
Manchar, Dist. Pune

Aspects: Use of ICT for effective teaching, Learning & Evaluation

Sr. No.	Use of ICT for effective teaching, Learning & Evaluation
1	Use of LCD in Classroom
2	Use of smart boards in Classroom
3	Internet connectivity in Classroom
4	Use of Online Lectures / Video Lectures
5	Providing E-Contents / E-Recourses
6	Use of Online Tests / Online Quiz, etc.



Head

Department of Chemistry
A. A. College, Manchar,
Tal. Ambegaon Dist. Pune.

Principal
Annasaheb K. Wate College,
Manchar, Dist. Pune

Class: T.Y.B.Sc.

Semester : III
Chemistry

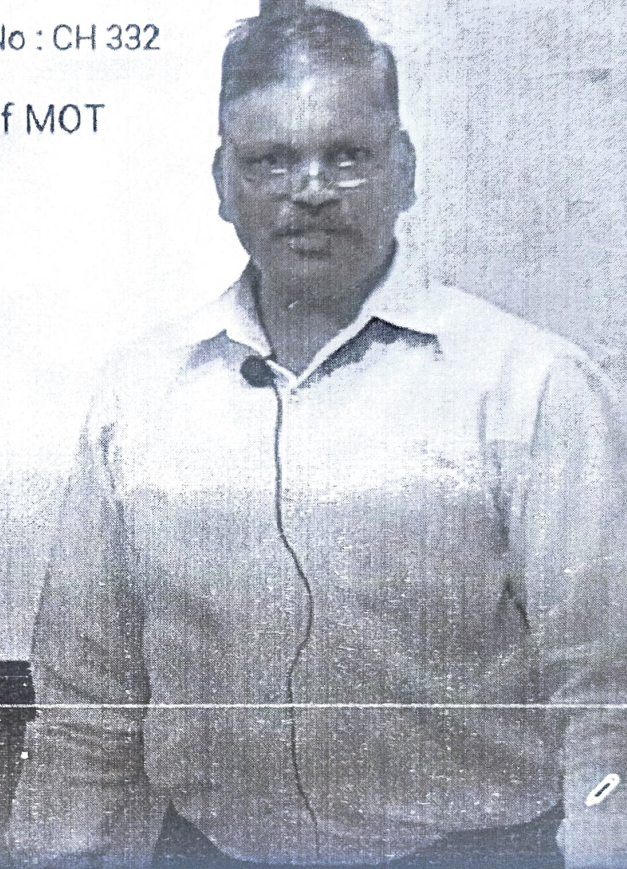
Subject: Inorganic

Paper No. : II

Course No : CH 332

Molecular Orbital Theory – Basic Concept and application of MOT
to homonuclear diatomic molecules of
1st and 2nd row elements of periodic table

Lecture by : Dr. S. B. Misal
Annasaheb Awate College, Manchar
Contact No. 8983715545
Email – shammisal68@gmail.com



Misal sir

0:00:03

0:58:01

Head
Department of Chemistry
A. A. College, Manchar,
Tal. Amrogaon, Dist. Pune


Principal
Annasaheb Awate College,
Manchar Dist. Pune

D-8-1



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Awat College



Head
Department of Chemistry
A.A. College, Manchar
21, Ambegaon Dist. Pune

Google

Manchar, Maharashtra, India
2X72+5V9, Ambegaon, Manchar, Maharashtra 410503, India
Lat 19.013061°
Long 73.95224°
08/08/22 01:44 PM

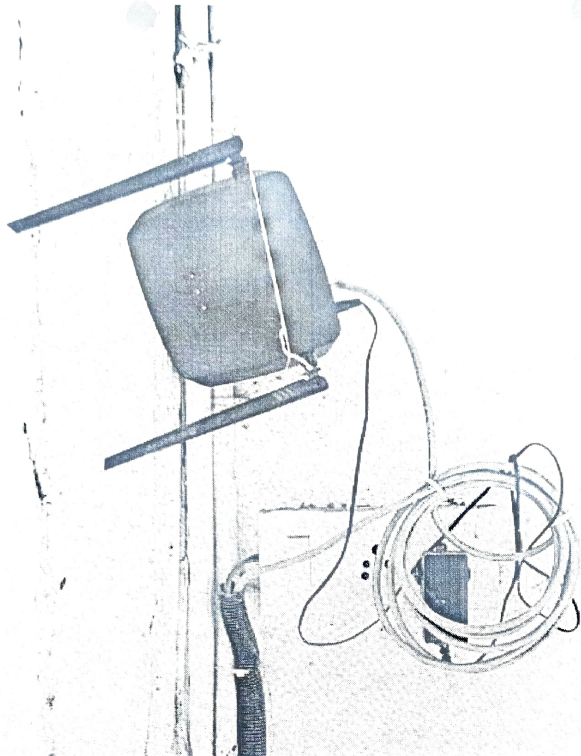
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A A College, Manchar,
Tal. Ambegaon Dist. Pune.

A Lead

Annasaheb
Awate College



Google



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Manchar, Maharashtra, India
2X72+5V9, Ambegaon, Manchar, Maharashtra 410503, India
Lat 19.013118°
Long 73.952507°
05/08/22 10:53 AM

D-2-3

List of YouTube Video

Name of the Teacher: **Dr. A. A .Kale**

Department: **Chemistry**

Sr. No.	Class	Subject	Topic	Sub-topic	Link	Views as on 06/08/2022
1	M.Sc II	Organic Chemistry	Orgnaic Spectroscopy	^{13}C NMR (Lec .-3)	https://www.youtube.com/watch?v=YTRs_ptQv_E	141
2	M.Sc II	Organic Chemistry	Orgnaic Spectroscopy	^{13}C NMR (Lec .-2)	https://www.youtube.com/watch?v=sRUAz5SwcFE	67
3	M.Sc II	Organic Chemistry	Orgnaic Spectroscopy	^{13}C NMR (Lec .-1)	https://www.youtube.com/watch?v=cmmgbHJlpc	101
4	M.Sc II	Organic Chemistry	Orgnaic Spectroscopy	^1H NMR (Lec .-1)	https://www.youtube.com/watch?v=6VaBBh5JsVo	117
5	T.Y.B.Sc,	Organic Chemistry	Streth Of Organic Acids And Bases	Strength of Organic Acids and Bases	https://www.youtube.com/watch?v=XbJ379qddCk	2717
Total Views						3026



Subject Teacher



Head
Department of Chemistry
A A College, Manchar,
Al Ambegaon Dist Pune

		EaQRywBbChA Thin Layer Chromatography (TLC) https://www.youtube.com/watch?v=rMGQavOMAmc https://www.youtube.com/watch?v=qdmKGskCyh8
9	Preparation of benzoic acid from ethyl benzoate (ester hydrolysis)	https://www.youtube.com/watch?v=cDAHh3z572 https://www.youtube.com/watch?v=XLrDBM-EIuw Thin Layer Chromatography (TLC) https://www.youtube.com/watch?v=rMGQavOMAmc https://www.youtube.com/watch?v=qdmKGskCyh8
10	Preparation of p-acetamol from p-hydroxyaniline (acetylation)	https://www.youtube.com/watch?v=xY33L8SqMo4 https://www.youtube.com/watch?v=mLRwmAIXm8U Thin Layer Chromatography (TLC) https://www.youtube.com/watch?v=rMGQavOMAmc https://www.youtube.com/watch?v=qdmKGskCyh8
11	Estimation of Acetamide Aim: To determine the amount of acetamide in the given solution.	https://www.youtube.com/watch?v=alkRTslpl-c https://www.youtube.com/watch?v=Q0_vHXzYBmY https://www.youtube.com/watch?v=HrEhndEg https://www.youtube.com/watch?v=

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Department of Chemistry
A. A. College, Manchar,
Tal. Ambegaon, Dist. Pune

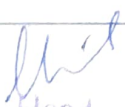
		<p>https://www.youtube.com/watch?v=NWJBIerlV14</p> <p>Systematic Qualitative Analysis Part- 2 (Detection of Elements)</p> <p>[Element detection of Nitrogen Sulphur-Binary mixture identification]</p> <p>https://www.youtube.com/watch?v=-KWJMbEVo4/M</p> <p>Systematic Qualitative Analysis Part 3 (Functional groups detection of Carboxylic acid- Binary mixture identification)</p> <p>https://www.youtube.com/watch?v=-6xMqrVplgfg</p> <p>Systematic Qualitative Analysis Part 4 (Functional groups detection of Phenol Aldehyde Ketone)</p> <p>https://www.youtube.com/watch?v=-RStDy2D8gQ</p> <p>Systematic Qualitative Analysis Part 5 (Functional group detection of Carbohydrates, Amines, Confirmative test for Urea, Thiourea)</p> <p>https://www.youtube.com/watch?v=-IpCYEHBAzSc</p> <p>General Organic Chemistry Practical Separation of binary Mixture</p> <p>https://www.youtube.com/watch?v=-gMICWRKaYFw</p> <p>How to Determine Melting Point Boiling point of Organic Compound</p>
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Head
Department of Chemistry
A. A. College, Manchar
Ambarnani, Pune

LIST OF E-BOOKS FREE VERSION

Department of Chemistry

Sr. No.	Title	Authors	Edition
1	Advanced Organic Chemistry	Jerry March	
2	Advanced Organic Chemistry	Carey and Sandberg	
3	Advanced Organic Chemistry	Francis A. Carey	
4	Organic Chemistry	J. Clayden	
5	Protective groups in Organic synthesis	T. W. Greene	
6	Advanced Organic Chemistry Part B	Carey and Sandberg	
7	Modern Organic Synthesis- an Introduction	George S. Zweifel	
8	Organic Chemistry	P.P. Morrison and Boyd	
9	Spectrometric identification of organic compounds	R. M. Silverstein	7 th
10	Heterocyclic chemistry	Joule and Mills	
11	Named Reactions	Jie Jqack Li	4th Expan. Ed.
12	Medicinal chemistry and drug discovery	Burger	
13	Introduction Medicinal Chemistry	Grahm and Patrick	
14	Modern Methods of Organic synthesis	William Caruthers	
15	Topics In Stereochemistry	NORMAN L. ALLINGER	
16	Photochemistry and Pericyclic Reactions	Jagdamba Singh.	
16	organic reaction and mechanism	P. S. Kalsi	
17	Stereochemistry of organic compounds	Nasipuri	
18	Mechanism and structure in Organic chemistry	E.S. Gould	
19	Principle of Bio-inorganic Chemistry	S. J. Lipard	
20	Inorganic chemistry	Shriver Atkin	
21	Molecular spectroscopy	C.N.Banwell and McKash	
22	Material characterization, introduction to microscopic and spectroscopic techniques	Yang Leng	2nd
23	Introduction to magnetic resonance spectroscopy ESR, NMR, NQR,	D. N. Sathyanarayana	
24	Thermal methods of analysis, principles, applications and problems	P.J. Haines	1st
25	Principle of instrumental analysis	Skoog, Waste, Holler	6th
26	Vogel's textbook of quantitative analysis	Vogel	6th
27	Practical High Performance chromatography	Varonika Meyer	5th
28	Liquid Chromatography, Mass spectrometry	Bob Ardey	2003 Ed.
29	Practical inductively coupled plasma spectroscopy	John R Deal	
30	Indian Pharmacopeia	Volume 1	7th
31	Indian Pharmacopeia	Volume 2	7th
32	Introduction to pharmaceutical analytical chemistry	Stig Pederson-Bjergaard	2nd


 Head
 Department of Chemistry
 A. A. College, Muncher
 al, Amravati, Maharashtra

GLIMPSE OF ICT ENABLED FACILITIES & TOOLS USED

The screenshot shows the 'Virtual Labs IIT Bombay' website. The header includes the Virtual Labs logo, 'Vlabs Outreach' logo, and 'IIT BOMBAY' logo. A navigation bar contains links for 'Add Workshop', 'Upcoming Workshops', 'Workshop Reports', 'Approved Workshops', and 'NC Profile', along with a 'Logout' button. The main content area displays the following information:

NCID & Nodal Centre : 249 | Annasaheb Awate Arts, Commerce and Hutatma Babu Genu Science College, Manchar

Principal / Head of Institute : Dr Kaluram Kanade | aac.manchar@gmail.com | 9881711038

Nodal Coordinator : Prof Hemangi Gavit | gavit.hemangi@aacmanchar.edu.in | 9833378831

Nodal Technical Coordinator : Prof Afroj Dange | afrojdange22@aacmanchar.edu.in | 7507011878

Documents : [Expression of Interest](#) | [Approval Letter](#)

Virtual Labs
Indian Institute of Technology Bombay
Mumbai - 76
India
support@vlabs.co.in
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The screenshot shows the Virtual Lab Nodal Centre dashboard. The top navigation bar includes 'STEP 1: SEMESTER PLANNER', 'STEP 2: ADD WORKSHOP', 'STEP 3: WORKSHOP REPORT', and 'STEP 4: MONTHLY REPORT'. Below the navigation bar, there is a message: 'Workshops conducted in the month of January 2022 will be displayed soon on your dashboard. (only if the users have filled the online feedback form)'. A table displays workshop data for January 2022:

SNo	Date	Users	Usage	Workshop	Report	Attendance	Photo 1 (Event Notification)	Photo 2 (Session/Group)
1	2022-02-17	11	31	Mini-Workshop				
2	2022-02-25	4	12	Invalid				

The dashboard also features a sidebar with a 'Validity' section showing the period '2022-02-07 - 2022-12-31' and links for 'Expression of Interest' and 'Approval Letter'. Other sections include 'Nodal Coordinator', 'Nodal Technical Coordinator', 'Head of Institute', and 'Address'. The bottom of the dashboard shows a taskbar with various application icons and system information.

Virtual Lab Nodal Centre

N-LIST: National Library and Information Services Infrastructure for Scholarly Content
 extending access to e-Resources to colleges in India

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ANNASHEB AWATE ARTS, COMMERCE AND HUTATMA BABU GENU SCIENCE COLLEGE, MANCHAR

Home | Usage Statistics

- Dashboard
- Users Details
- Upload Bulk Users
- Activate Bulk Users
- Member Delete list
- Usage Statistics

USAGE STATISTICS (OLD USAGE FORMAT)

Since July 2021, Usage Statistics are available based on partial data due to change in Authentication Mechanism of N-LIST Programme. New and updated Usage Statistics for the period will be available after October 2021. Inconveniences is regretted.

Note: Usage statistics of users are updated after end of the month.

Export

Username	Month	Year	Pages
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Type here to search | 30°C Sunny | 10:55 AM 17-Apr-23

Library | Annasaheb Awate College | N-LIST: National Library and Information Services Infrastructure for Scholarly Content

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Nursing) are eligible to register for the N-LIST Programme and get access to e-Resources subscribed under N-LIST.



Total Colleges Registered @ N-LIST

Search: None A B C D E F G H I J K L M N O P Q R S T U V W X Y Z

Search:

✓ **Annasaheb Awate Arts, Commerce and Hutatma Babu Genu Science College, Manchar** [Savitribai Phule Pune University, Pune]

📍 Address: At.Post. Manchar, Taluka-Ambegaon, Dist. Pune, Maharashtra - 410503. [More Details]

⭐ Status: 12B [Access Enabled]

📅 Registered on: 2010-11-27

📅 Verified on: 2010-11-30

✓ **Annasaheb Magar Mahavidyalaya** [Savitribai Phule Pune University, Pune]

📍 Address: Hadapsar, Pune., Pune, Maharashtra - 411028. [More Details]

Type here to search | 37°C Sunny | 18

N-List Database



Welcome Administrator !

[You have logged as Administrator and your last logon was 17/04/2023 11:04:02 AM]

-  Book Management
-  Accessioning
-  Membership
-  Circulation
-  Reports
-  Administration

- Books Pending for Return** ▾
- Members Due for Renewal** ▾
- Recently added Books for Circulation** ▾
- Books Due for Return** ▾
- Highest Running Books** ▾
- Highest Running Members** ▾



Computer Laboratories



Computer Laboratories



ICT enable Auditorium & Virtual Classroom



Library

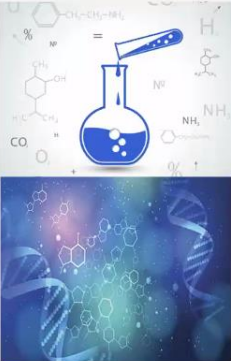
GLIMPSE OF ICT ENABLED FACILITIES & TOOLS USED


You are viewing Manminder Riyat's screen

You are connected to computer audio

BIOCHEMISTRY OR CHEMISTRY?

- The term *biochemistry* is synonymous with two somewhat older terms:
- Physiological chemistry* and *biological chemistry*.
- Those aspects of biochemistry that deal with the chemistry and function of very large molecules (e.g., proteins and nucleic acids) are often grouped under the term *molecular biology*.



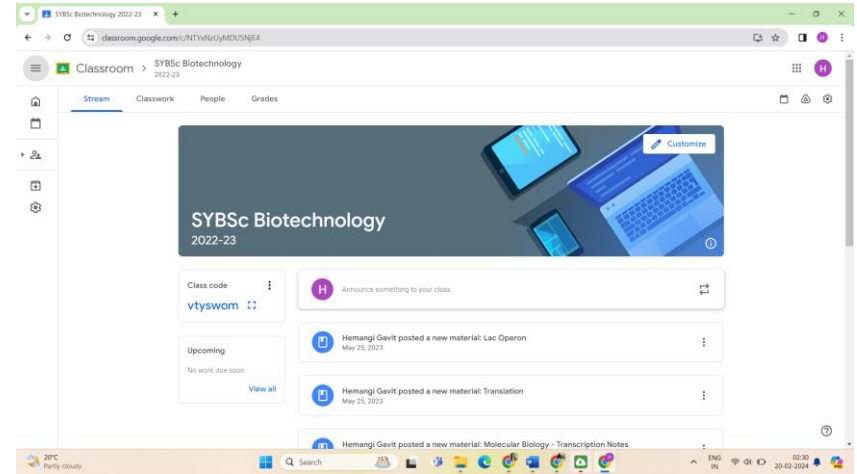
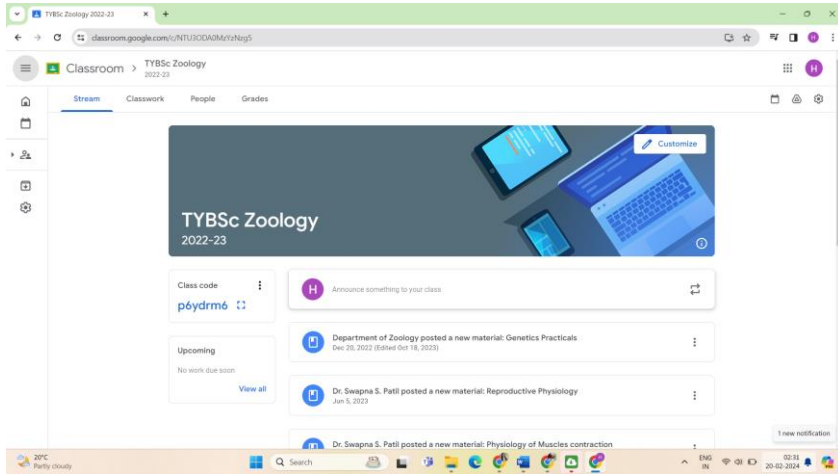
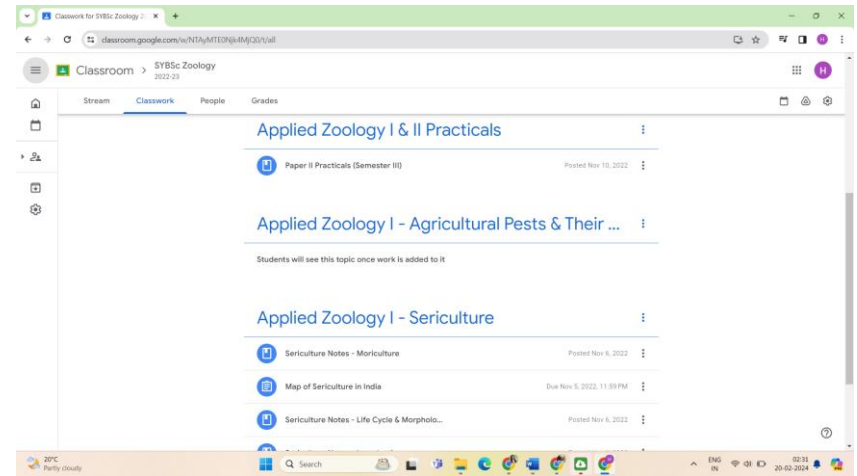
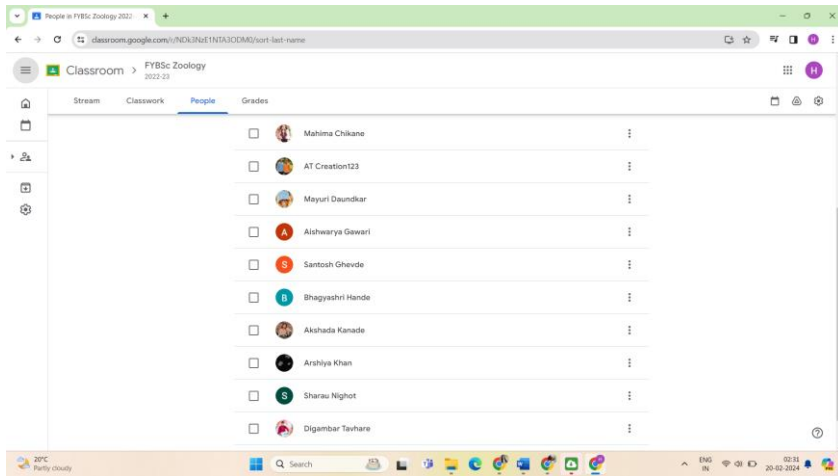
Manminder Riyat Manminder Riyat	Hemangi Gavit... Hemangi Gavit (Zoolo...	Shruti Durgude... Shruti Durgude (SY Bi...	Rupali Bhogade Rupali Bhogade
Gauri Kawade Gauri Kawade	Mr. Ajit Shinde Mr. Ajit Shinde	Kajal Rodage Kajal Rodage	Pragati Khilari B... Pragati Khilari Biotech
Sanjay Chimate Sanjay Chimate	Dhanashri Shew... Dhanashri Shewale	Snehal Nalawade Snehal Nalawade	Rutuja Chavan Rutuja Chavan
Vikas Ladake Vikas Ladake	Shabnam Sayyed Shabnam Sayyed	Tangade shravani Tangade shravani	Pratik Chaudhari Pratik Chaudhari
Bhosale Vaishna... Bhosale Vaishnavi Vijay	Divya Thakur Divya Thakur	sakshi kadam sakshi kadam	Pratiksha Pratiksha
 dane manohar	Prajakta Burung... Prajakta Burungale	Aishwarya Vya... Aishwarya Vyawahare	Ankita Ghadge Ankita Ghadge

Unmute Start Video

Participants 62 Share Screen Record Show Captions Reactions

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Webinar via Google Meet Platform



Google Classroom

Online Education | Annasaheb / x +

aacmanchar.edu.in/online_education.php

93225 04992 | 87674 03354 | aac.manchar@gmail.com

RTI | ALUMNI | TENDER | CONTACT | TEACHER LOGIN | STUDENT LOGIN

ANNASAHEB AWATE ARTS, COMMERCE & HUTATMA BABU GENU SCIENCE COLLEGE, MANCHAR

Affiliated to Savitribai Phule Pune University, Pune 411007

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Home · Online Education

E-Contents

Select Your Stream: Select Catagory from List

Select Your Course: Select Courses from List

Select Your Subject: Select Subjects from List

Sr. No	Teacher	Class/Subject	Topic	File/Video/Link
1	Swapna Sachin Patil	Zoology	Animal Diversity I- Types of Symmetry	Download OR View (File)
2	Swapna Sachin Patil	Zoology	Animal Diversity-I Phylum -Aschelminthes	Download OR View (File)
3	Swapna Sachin Patil	Zoology	Animal Diversity-I Phylum - Annelida	Download OR View (File)
4	Swapna Sachin Patil	Zoology	Animal Diversity- Phylum Porifera	Download OR View (File)
5	Swapna Sachin Patil	Zoology	Cell Biology- Prokaryotic and Eukaryotic Cell	Download OR View (File)
6	Swapna Sachin Patil	Zoology	Animal Diversity I Principles of Diversity	Download OR View (File)
7	H. J. Gavit	Zoology	Applied Zoology II - Fisheries Part II	Download OR View (File)
8	H. J. Gavit	Zoology	Applied Zoology II - Fisheries Part I	Download OR View (File)
9	H. J. Gavit	Zoology	Applied Zoology I - Sericulture Part II	Download OR View (File)

20°C Partly cloudy

Search

ENG IN 02:17 20-02-2024

E-content available on College Website

Photo Gallery | Annasaheb Awate | AAC MANCHAR - YouTube

https://www.youtube.com/@aacmanchar4853

Home | AAC MANCHAR | 10.2K subscribers | 697 videos

A complete package to run OUR COLLEGE online or virtually -

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Shorts

2023 | पुराने मधील | विद्यार्थी | 2023 | पुराने मधील | विद्यार्थी | 2023 | पुराने मधील | विद्यार्थी | 2023 | पुराने मधील | विद्यार्थी | 2023 | पुराने मधील | विद्यार्थी | 2023 | पुराने मधील | विद्यार्थी | 2023 | पुराने मधील | विद्यार्थी |

25°C Clear

Photo Gallery | Annasaheb Awate | AAC MANCHAR - YouTube

https://www.youtube.com/@aacmanchar4853/videos

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1:26:52

1:03:04

5:21



22:16 02-05-2023

College YouTube Channel

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 **ANNASAHEB AWATE ARTS, COMMERCE, HUTATMA BABU GENU SCIENCE COLLEGE, MANCHAR**  **Accreditation: NAAC - 'A' Grade**
Establishment: 1966

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Password

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Student SAMRUDDHI RAMDAS TOTRE

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Rayat ERP Software

Meet - TYBSc Lecture Lectu... x Catabolite Repression [cAMP, C] x The lac Operon Explained - | x +

https://meet.google.com/ggg-griy-qbv

Sharing https://www.youtube.com to meet.google.com Stop sharing View tab: www.youtube.com

You're presenting to everyone Presentation audio Stop presenting

lac Operon Activity

When lactose is PRESENT:

Inactive repressor does not block RNA polymerase
structural genes are expressed!

work together to break down lactose

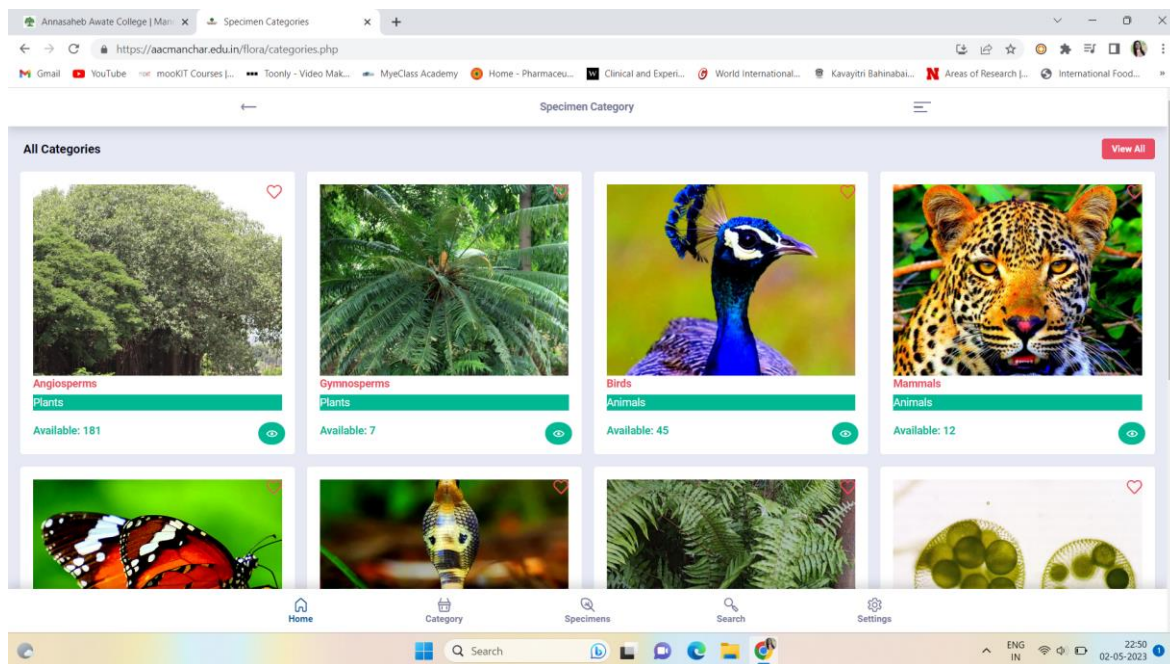
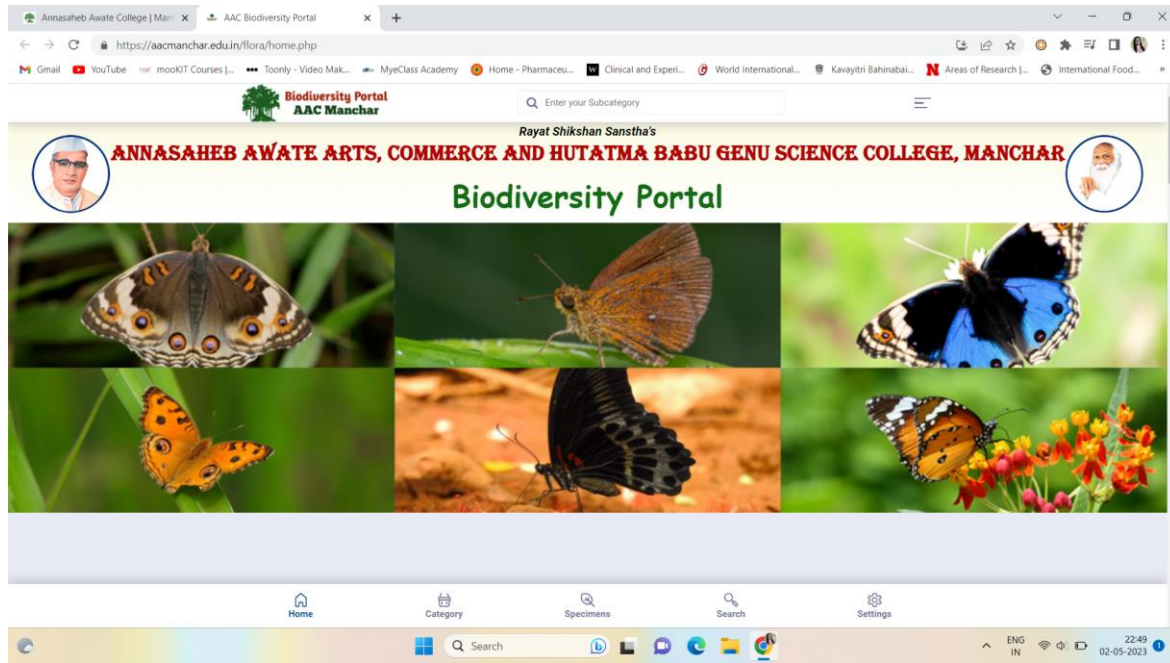
4:58 PM | TYBSc Lecture Lecture Operon & DNA Repair Mec... 35°C Sunny 16:58 28-05-2023

Meet - TYBSc Lecture Lectu... x +

https://meet.google.com/ggg-griy-qbv

5:05 PM | TYBSc Lecture Lecture Operon & DNA Repair Mec... 35°C Sunny 17:05 28-05-2023

Online Revision Lecture Via Google Meet



Biodiversity Portal on College Website

03:13 67%

S Y B Sc. B group 2022 23
Awate, Awate, Awate, +91 81808 5678...

near time meetings by Google. U...
meet.google.com

CH-402 Inorganic & Organic Chemistry
Friday, June 2 · 3:30 pm
Google Meet joining info
Video call link: <https://meet.google.com/jat-kgoi-foc>

Join fast 15:33

Dr. Arun Valvi

17:31

Dr. Arun Valvi

Jahn-Teller Distortion easy tricks, Jahn teller effect, solve in seconds
Jahn-Teller Distortion easy tricks, Jahn teller ...
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<https://youtu.be/JvRFHAIv9OI>

17:31

03:12 67%

TY zoology 2022 _ 23
AAC Aamina TY, AAC Dr., AAC...

Share this with students 10:43 ✓✓

Students profile मधून ॲप्लिकेशनची सुविधा उपलब्ध करून दिली आहे 10:44 ✓✓

12 August 2023

Forwarded

अण्णासाहेब आवटे महाविद्यालयातील 2021-22 2022-23 आणि 2023-24 या शैक्षणिक वर्षात पदवी (गॅज्युएशन) पूर्ण केलेल्या विद्यार्थ्यांसाठी महत्त्वाची सूचना 🙌 TCS व रयत शिक्षण संस्था सातारा यांच्यात झालेल्या सामंजस्य करारानुसार टाटा कन्सल्टन्सी सर्व्हिसेस मध्ये BPS Assistant आणि अन्य पदांवर रोजगार विषयक संधी उपलब्ध करून देण्यात येणार आहे. तरी इच्छुक विद्यार्थ्यांनी खालील गुगल फॉर्म भरावा.

14:43 ✓✓

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Rayat - TCS Information-August 2023
[docs.google.com](https://forms.gle/g46LFcXDN7EsEZGV8)

<https://forms.gle/g46LFcXDN7EsEZGV8>

14:43 ✓✓

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https://b.socrative.com/teacher/#launch

GAVIT2948 Hemangi

LAUNCH LIBRARY ROOMS REPORTS RESULTS

Quiz Space Race Exit Ticket

QUICK QUESTION

MC TF SA

Multiple Choice True / False Short Answer

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LAUNCH LIBRARY ROOMS REPORTS RESULTS

Genetics

Invite Students Finish Activity

Show Names Show Responses Show Results

NAME	SCORE %	1	2	3	4	5	6	7	8	9	10
Aamina khan ,5385	80%	✓ C	✓ B	✓ B	✗ D	✓ D	✓ A	✓ A	✓ C	✗ C	✓ True
Gaikwad Siddhant Sangr...	90%	✗ A	✓ B	✓ B	✓ A	✓ D	✓ A	✓ A	✓ C	✓ B	✓ True
Rajguru Kartiki Rajaram	80%	✗ B	✓ B	✓ B	✓ A	✓ D	✓ A	✓ A	✗ B	✓ B	✓ True
Rajguru Kartiki Rajaram	100%	✓ C	✓ B	✓ B	✓ A	✓ D	✓ A	✓ A	✓ C	✓ B	✓ True
4 Class Total		50%	100%	100%	75%	100%	100%	100%	75%	75%	100%

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