



Education through self-help - **KARMAVEER**
Rayat Shikshan Sanstha's



**Annasaheb Awate Arts, Commerce,
Hutatma Babu Genu Science College &
Sou. Kusumben Kantilal Shah Arts,
Commerce, Science Junior College,
Manchar, Tal. Ambegaon, Dist. Pune. 410 503**

NAAC 3rd Cycle- "A" Grade 2018

Best College Award - 2018, by
Savitribai Phule Pune University Pune.

Teacher's Diary

Academic Year - 2023 - 2024

Name of the Teacher : Ms Mahakal S.C.

Department : Physics

ALLOTMENT OF WORK LOAD

So. No.	Calss	Subject	Paper	Work load
1.	S.Y.B.Sc.	Physics-II Instrumentation	Instrumentation . PHY- 232 .	3 .
2.	T.Y.B.Sc.	Physics .	Physics Workshop . Skills .	3 .
3.	T.Y.B.Sc .	Physics -	Practicals .	
4.	MSc-II .	Physics .	Experimental Methods in Physics .	3 .



Signature
of the Teacher





Head

Department of _____



Principal

Annasaheb Awate Arts, Commerce &
Hutatma Babu Genu Science College,
Manchar, Tal. Ambegaon, Dist. Pune

DAILY RECORD

Date: 31 / 07 / 2023

Day: Monday


Class / Time	Topic	Synopsis
Sy. BSc. 12:40 to 1:25	Syllabus and course outcome	<ul style="list-style-type: none">* Introduction of CO* Discussion of PSO & PO* Discussion of Syllabus

Teaching Methods / Teaching Aids: PPT Presentation

Books / References: Syllabus of SPPU website


Signature Teacher




Head
Department of Physics
A.A. College, Manchar

DAILY RECORD

Date : 09 / 08 / 2023 .

Day : Wednesday.


Class / Time	Topic	Synopsis
SYBSc . 12:40 to 1:25	Instrumentation .	<ul style="list-style-type: none"> * Static Characteristics . 1) Accuracy 2) Precision . 3) Sensitivity .
TYBSc . 1:25 to 2:10	Phis .	<ul style="list-style-type: none"> * Discussion of CO , PO & PSO . * Discussion of Rubrics and * assessment methods .

Teaching Methods / Teaching Aids : PPT Presentation .

Books / References : Syllabus document of TYBSc . Physics on SPPU Website


Signature Teacher




Head
Department of Physics
A.A. College - Manchar



Education through self-help - **KARMAVEER**
Rayat Shikshan Sanstha's



**Annasaheb Awate Arts, Commerce,
Hutatma Babu Genu Science College &
Sou. Kusumben Kantilal Shah Arts,
Commerce, Science Junior College,
Manchar, Tal. Ambegaon, Dist. Pune. 410 503**

NAAC 3rd Cycle- "A" Grade 2018

Best College Award - 2018, by
Savitribai Phule Pune University Pune.

Teacher's Diary


Academic Year - 2023 - 2024

Name of the Teacher : Prof. Shieke H.S.


Department : Physics


ALLOTMENT OF WORK LOAD

So. No.	Calss	Subject	Paper	Work load
1)	F.Y. B.Sc.	Physics	PHY 122: Electricity & Magnetism	3
2)	S.Y. B.Sc.	Physics	Practical	8
3)	T.Y. B.Sc.	Physics	PHY 361: Solid state Physics	3
4)	M.Sc.-II	Physics	Physics of semiconductor devices	4


Signature
of the Teacher




Head
Department of _____


Principal
Annasaheb Awate Arts, Commerce &
Hutatma Babu Genu Science College,
Manchar, Tal. Ambegaon, Dist. Pune

DAILY RECORD

Date : 13 / 12 / 2023

Day : Wednesday

Class / Time	Topic	Synopsis
FY BSc 2:30 pm to 3:15 pm	Electrostatics	→ Introduction of CO, PSO & POs for the course of electrostatics → Discussion regarding it with students → Discussion of various evaluation methods → Assessment methods → Internal Examination - 10 marks → Assignment - 5 marks → classroom interactions - 5 marks

Teaching Methods / Teaching Aids : chalkboard method

Books / References : —

Shirce
Signature Teacher



RSR
Head
Department of
A.A. College, Manchar

DAILY RECORD


Date: 18 / 12 / 2023

Day: Monday


Class / Time	Topic	Synopsis
S.Y. B.Sc. 10 am to 1 pm	Complex Numbers	Revision * Discussion of CO, PO, PSO * Syllabus discussion
F.Y. B.Sc. 3:15 pm to 4:00 pm	Electrostatics	* Electric potential due to a point charge $V = \frac{1}{4\pi\epsilon_0} \frac{q}{r} \text{ (derivation)}$ * Potential energy of a charge concept * Electrical potential energy of a system $U = \frac{1}{2} \left(\frac{1}{4\pi\epsilon_0} \right) \sum_{i=1}^n \sum_{i \neq j} \frac{q_i q_j}{r_{ij}}$

Teaching Methods / Teaching Aids: Chalkboard method

Books / References: Nirali Prakashan


Signature Teacher




Head
Department of Physics
A.A. College, Manchar

Rayat Shikshan Sanstha's
**Annasaheb Awate Arts, Commerce &
Hutatma Babu Genu Science College**



Manchar, Dist. Pune. (MAHARASHTRA) 410 503

PERSONAL RECORD

Name of the Teacher : Madhe B.A.

Qualification : M.Com, SET

Department : Commerce & Management

Designation : AP

Date of oppointment : 18/10/2021

Present garde : _____

Residential address : _____

Phone Number : _____

Blood Group : _____

PAN No. : _____

Saving A/c. No. : _____

P.E.A/c. No. _____

DAILY RECORD

Date: 15/07/2024

Day: ~~Monday~~ Monday

Class / Time	Topic	Synopsis
8.00 am to 8.45 am [S.Y. Bcom] (B)	CO, PO, PSO Syllabus	- Delivering CO, PO, PSO to student - Syllabus ① Unit-I Management ② Unit-II Understanding Management: Planning & Decision Making ③ Unit-III Management at Work: The process of organizing & Staffing ④ Unit-IV Result Orientation: Direction & Team work.
8.45 am to 9.30 am [T.Y. Bcom]	CO, PO, PSO, Syllabus.	- Delivering CO, PO, PSO to student - Syllabus - ① સરકારી નીતિ અને મર્યાદા સ્થાપના 20 ② સરકાર, નીતિ અને મર્યાદા સ્થાપનાની તકનીક ③ ભાગલાલ યોજનાની નીતિ અને મર્યાદા સ્થાપના ④ મર્યાદા સ્થાપના.
10.25 am to 11.10 am [T.Y. Bcom]	MSME Policy, 2020	* ગુણવત્તા અને વાર્ષિક રીપોર્ટ * ભાગલાલ યોજના અને વૈશિષ્ટ્ય

Teaching Methods / Teaching Aids :

Books / References :

Signature Teacher

Head
Department of Commerce
A.A.C. Manchar.
Tal. Ambegaon, Dist. Pune



Rayat Shikshan Sanstha's
**Annasaheb Awate Arts, Commerce &
Hutatma Babu Genu Science College**

Manchar, Dist. Pune. (MAHARASHTRA) 410 503

PERSONAL RECORD

Name of the Teacher : Miss: Raut S.V.

Qualification : M. Com GPCA

Department : Department of Commerce.

Designation : Assistant professor.

Date of appointment : 07/09/2022

Present garde : —

Residential address : Manchar

Phone Number : 9858442020.

Blood Group : O+

PAN No. : —

Saving A/c. No. : —

P.E. A/c. No. : —



Semester - First

DAILY RECORD

Date : 27 / 07 / 2023

Day : Thursday

Class / Time	Topic	Synopsis
F.Y.B.Lom (Marathi)	Organisational Skill Development कार्यालय संकल्पना	कार्यालय संकल्पना कार्यालयाची आवश्यकता कार्यालयाची गरज - Discussion on course outcome and program outcome of this subject
T.Y.B.Lom		General lecture Give the information about Cost and Works A/c - II - discussion on course outcome & program outcome of this (PSC) sub. and give the information about its students.

Teaching Methods / Teaching Aids :

Books / References :

Shivan
Prof : T. S. V.

Head

Head

Department of Commerce

Rayat Shikshan Sanstha's
**Annasaheb Awate Arts, Commerce &
Hutatma Babu Genu Science College**



Manchar, Dist. Pune. (MAHARASHTRA) 410 503

PERSONAL RECORD

Name of the Teacher : Prof. Kalokhe D. V.
Qualification : M.com, B.ed.
Department : Commerce
Designation : Assistant Professor
Date of appointment : 11/09/2016
Present garde : —
Residential address : AP Manchar - Tal- Ambegaon Dist- Pune.
Phone Number : 7219304850
Blood Group : A+ve.
PAN No. : CQBPK6627G.
Saving A.c. No. : 68019941128—
P.E.A.c. No. : —

DAILY RECORD

Date: 23/11/2024

Day: Friday



Class / Time	Topic	Synopsis
T.Y.B. com I	Business Entrepreneurship - III	* syllabus given & discuss - co, po, ps o about subject ..
II T.Y.B. com (B)	Auditing	<p>Objective of Auditing</p> <p>A) Primary objective</p> <ol style="list-style-type: none"> i) Ensuring the Accuracy of the Annual Accounts ii) Make sure that the Accounts are kept as per the Rules <p>B) Secondary objective</p> <ol style="list-style-type: none"> 1) Finding Errors in Accounting 2) Detecting Fraud, Embezzlement in Accounting 3) Curbing Fraud, Embezzlement 4) Control Effects on Accounts Department Staff 5) Satisfying Govt. officials

Teaching Methods / Teaching Aids :

Books / References :

Signature Teacher



Head

Department of

Head 23/11/24

TEACHING PLAN

Paper: Techniques in Biology (ZY-356/P-VI)

Paper: Techniques in Biology (ZY-356/P-VI)

Sr. No.	Month	No. of Working Days	Lecture Available	Topic to be covered	Sub topic to be covered	Lecture required	Teaching methods	References
1	July			1. Microscopy: 2. Microtomy: Tissue fixation and Processing	1.1 Definitions - Resolving Power, Limit of Resolution and Magnification, Numerical Aperture. 1.2 Basic principle of microscopes - Light, Fluorescence, Phase Contrast, Stereo Microscope, SEM and TEM. 2.1 Methods of tissue fixation: Chemical fixation and physical fixation. 2.2 Procurement of tissue and importance of fixation of tissues. 2.3 Dehydration, clearing, impregnation, embedding and block making. 2.4 Types of microtomes. 2.5 Section cutting: steps and precautions, common faults in section cutting, reasons & remedies. 2.6 Mounting and spreading of ribbons. 2.7 General procedure for staining of sections. 2.8 Demonstration of Nucleic acid (Feulgen Reaction).	03 08	1. PPT lecture 2. Open board and Pen 3. Video/Animation	<i>Suzanne Bell, Keith Morris. An Introduction to Microscopy. CRC press.</i>
2	Aug			3. Haematological Techniques:	3.1 Total count of RBCs, WBCs and Differential count of WBCs and their significance. 3.2 Bleeding time, clotting time and their significance. 4.1 Antigen-Antibody Interactions –	02	2. PPT lecture 3. Open board and Pen 4. Video/Animation	

Sign of the Teacher

Head of the Department



Department of Zoology

TEACHING PLAN

				4. Immunological Techniques :	Immunodiffusion. 4.2 Principle & Working of ELISA. 4.3 Raising Monoclonal Antibodies. 4.4 Application of Immunological techniques in disease diagnosis.	03	
3	Sept			5. Types of PCR & DNA Barcoding : 6. Methods in Biodiversity	6.1 Introduction to sampling and sample size. 6.2 Biodiversity Indices - Species richness, Simpson Diversity Index, Shannon Diversity Index. 6.3 Measuring Biodiversity- Quadrat sampling, Transect sampling, Insect survey - Active (sweep netting, aquatic nets) and Passive methodology (Pit fall traps, Light traps	02 04	7. PPT lecture 8. Open board and Pen 9. Video/Animation
4	Oct			7. Instruments in Field Biology: 8. Laboratory techniques:	7.1 Binoculars, GPS, Basic digital camera techniques: Camera lens – prime and kit lens, Aperture mode, Shutter mode, Megapixels, Telephoto lens, macro lens. 7.2 Adapters for camera and microscopes, Mobile's camera. 8.1 Microphotographic techniques - CCD and CMOS camera, digital camera. 8.2 Software for image analysis - Image J and GIMP.	03 03	5. PPT lecture 6. Open board and Pen 7. Video/Animation

Sign of the Teacher



Head of the Department

Rayat Shikshan Sanstha's,
Annasaheb Awate Arts, Commerce & Hutatma Babu Genu Science College, Manchar
Department of Mathematics
Teaching Plan 2023-24

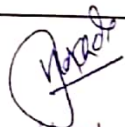
Name of the Teacher- Mr. Rokade M.D.

Subject: Calculus I

Month & lectures available	Unit	Sub unit	Lecture allotted	Methodology / Evaluation
August (08)	1.Real Numbers	1.1 The Algebraic and Order Properties of \mathbb{R} : Algebraic properties of \mathbb{R} , Order properties of \mathbb{R} , Well-Ordering Property of \mathbb{N} . Arithmetic mean-Geometric mean inequality, Bernoulli's inequality. 1.2 Absolute Value and the Real Line: Absolute value function and its properties, triangle inequality and its consequences, neighborhood of a point on real line. 1.3 The Completeness Property of \mathbb{R} : Definitions of Upper bound, Lower bound, supremum, infimum of subsets of \mathbb{R} , completeness property of \mathbb{R} . 1.4 Applications of the Supremum Property: Archimedean property and its consequences, The density theorem (without proof).	06	
	2.Sequences	2.1 Sequences and Their Limits: Definition and examples of sequences of real numbers, Definition of limit of sequence and uniqueness of limit, Examples on limit of sequence.	02	

ANNASAHAB AWATE COLLEGE
MANCHAR. (DIST PUNE)

September (10)		<p>2.2 Limits Theorems: Definition of bounded sequence, Every convergent sequence is bounded, Algebra of limits.</p> <p>2.3 Monotone Sequences: Definition and examples of monotone sequences, Monotone convergence theorem and examples.</p> <p>2.4 Subsequences and Bolzano -Weierstrass Theorem: Definition of subsequence and examples, Divergence criteria, Monotone Subsequence theorem (without proof), Bolzano -Weierstrass theorem (first proof).</p>	08	
October (11)	<p>3. Limits</p> <p>4. Continuity</p>	<p>3.1 Functions and their Graphs: Functions, domain and range, graphs of functions, representing a function numerically, Vertical line test, Piecewise defined functions, increasing and decreasing functions, even and odd functions symmetry, common functions</p> <p>3.2 Limits of Functions: Definition of cluster point and examples, definition of limit of a function, sequential criterion for limits, divergence criteria.</p> <p>3.3 Limit Theorems: Algebra of limits (proofs using sequential criterion) ,Squeeze theorem.</p> <p>3.4 Some extension of limit concepts: one-sided limits, infinite limits (without proof) .</p> <p>4.1 Continuous Functions: Definition of continuous function at a point , sequential criterion for continuity, Divergence criterion, combination of continuous functions.</p>	<p>08</p> <p>02</p>	
November (10)		<p>4.2 Continuous Functions on Intervals: Properties of continuous functions on an interval, Boundedness theorem (without proof), The minimum -maximum theorem(without proof), Location of root theorem (Without proof), Bolzano's intermediate value theorem. Continuous function maps closed bounded interval to closed bounded interval, Preservation of interval theorem.</p>	10	


 Head
 Department of Mathematics

Rayat Shikshan Sanstha's
Annasaheb Awate Arts, Commerce & Hutatma Babu Genu Science College, Manchar

Department of Geography

Semester: IV

Teaching Plan: 2023- 24

Name of Faculty: Kathe M.H.

Class: S.Y.B.A (G2)

Subject Name: Environment Geography- II,

Sr. No.	Topic	Name of The Topic	No. of Allotted Lecture	Methodology
1.	Environmental Disaster	Meaning and concepts of environmental disaster	Dec 12 2	Lecture
		Classification of Disaster	3	
		Natural Disaster a) Earthquake b) Flood	3	
		Biological Disaster 1) Swine flu 2) Novel Corona (COVID-19)	4	
2.	Environmental Problems	Global Warming and climate change	Jan 12 3	Lecture
		Ozone Depletion Acid rain	3	
		Over use of chemical	3	
		fertilizers, pesticides and insecticides	3	
3.	Environmental Planning and Management	Need of Planning and Management	Feb 12 4	Lecture
		Micro, macro and meso level Planning and Management with reference to India	4	
		Environmental impact assessment	4	
4.	Environmental Policies	Introduction of environmental policies	March 12 4	Lecture
		Environmental education in India	4	
		Kyoto Protocol	4	

M. Kathe

Subject Teacher



Ugale
Head

Department of Geography
Annasaheb Awate College
Manchar, Tal. Ambegaon, Dist. Pune

Rayat Shikshan Sanstha's
Annasaheb Awate Arts, Commerce & Hutatma Babu Genu Science College, Manchar

Department of Geography

Semester: VI

Teaching Plan: 2023- 24

Name of Faculty: Kathe M.H.

Class: T.Y.B.A (G3)

Subject Name: GEOGRAPHY OF DISASTER MANEGEMANT

Sr. No.	Topic	Name of The Topic	No. of Allotted Lecture	Methodology
1.	Geological and Geomorphie disasters and their management	Earthquakes	Dec 12 4	Lecture
		Landslides	4	
		Tsunami	4	
2.	Anthropogenic disasters and their management	Deforestation	Jan 12 4	Lecture
		Forest fire	4	
		Soil degradation	4	
3.	Global Environmental issues	Global warming	Feb 12 4	Lecture
		Ozone depletion	4	
		Acid rain	4	
4.	Case Studies of disaster	Tsunami in Indian ocean -2004	March 12 4	Lecture
		Fukushima Nuclear disaster - 2011	4	
		Kedarnath Cloud Burst -2013	4	

M.H. Kathe
Subject Teacher



Ugale
Head
Department of Geography
Annasaheb Awate College,
Manchar, Tal. Amnurgan, Dist. Pune

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

DEPARTMENT OF HISTORY

FIRST SEMESTER
Academic Year 2023-2024

Name of Teacher : - Prof.Pardhi R.P.

Department:- History

Class :-F.Y.B.A

Subject Code No. 11171

Credits -3

Subject: (Gen.1) Early India : From Prehistory to Age of the Mauryas
(Semester & Choice Based Credit System- 2019)

Total No. of Hours of Instruction – 48

Weightage for the internal Examination- 30 Marks

Weightage for the University Examination-70 Marks

Month	Unit	Topics	Periods Allotted
July 2023	Unit-I : Early India : Sources and Prehistory	a)Importance of Early History	4
		b) Sources and Tools of Historical Reconstruction – Archaeology (Materials Remains), Epigraph (Inscriptions) , Numismatics (Coins) , Literary Sources , Foreign Accounts	4
		c) Paleolithic , Mesolithic,Neolithic and Chalcolithic Cultures: A Brief Review	4



August 2023	Unit II : Harappan Culture : Bronze Age Civilization	a)Geographical Extent , Town	4
		b)Planning , Trade , Religious Practices	4
		c) Art, Crafts and Technology : Pottery , Seals, Beads , Images, Terracotta Figurines Metallurgy , Script and Decline	4
September 2023	Unit III : Vedic Culture , Religious Protest : Jainism and Buddhism	a)Vedic and Later Vedic Culture : Original home, Tribal Polity , Social Divisions , Rituals and Philosophy	6
		b)Jainism and Buddhism : Causes of Origin , Doctrines, Contributions and Importance	6
October 2023	Unit IV : Emergence of the Mahajanapadas and the Age of Mauryas	a)The Mahajanpadas , Rise and Growth of the Magadhan Empire	4
		b)The Age of the Mauryas : Chandragupta , Ashoka and his Policy of Dhamma	4
		c)The Mauryan Administration , Economy, Decline and Significance	4

Date:- Signature of Teacher

for- Barode--/

Signature (Head of Dept.)

for- Barode--/
Head,

Department of History

Annasaheb Awate College, Manchar (Pune)

Principal

Rayat Shikshan Sanstha's
Annasaheb Awate & Arts, Commerce Hutatma Babu Genu Science College, Manchar
Department of Food Processing & Quality Management
TEACHING PLAN

Academic Year: **2023-24**


Name of the Teacher: Ms. Indore M.A.

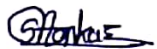
Class: F.Y.B.Voc

Semester: **I**

Paper: Human Nutrition (FG-13)


Sr. No.	Month	No. of Working Days	Lecture Available	Topic to be covered	Sub topic to be covered	Lecture required	Teaching methods	References
1	Aug	19	13	Basic Concepts :	Concepts and content of nutrition: Nutrition agencies: Nutrition of community: Nutritional policies and their implementation: metabolic function of nutrients	05	1. PPT lecture 2. Open board and Pen 3. Discussion	1. Advanced Nutrition & Human Metabolism(Groff. Gropper) 2. Food Science (B. Shrilakshmi)
				Introduction of Nutrients:	Nutrients: Sources, functions, digestion, absorption, assimilation and transport of carbohydrates in human beings	03		
2	Sept	24	16	Introduction of nutrients:	Nutrients: Sources, functions, digestion, absorption, assimilation and transport of proteins and fats in human beings	07	1. PPT lecture 2. Open board and Pen 3. Video/Animation	
				Functions of nutrients:	Water and energy balance: Water intake and losses; Basal metabolism- BMR; Body surface area and factors affecting BMR	08		

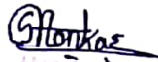

Sign of the Teacher


Head of the Department
Head
Dept. of B. Voc
(Food Processing & Quality Management)
Annasaheb Awate College, Manchar



3	Oct	24	18	Diet and Disorders	Classification of balanced diet; Preparation of balanced diet for various groups; Diets and disorders Recommended dietary allowances; for various age group; According physiological status; Athletic and sports man; Geriatric persons	10	1. PPT lecture 2. Open board and Pen 3. Video/Animation	
				Nutritional Education and policies:	Malnutrition: Type of Malnutrition; Multi-factorial causes; Epidemiology of under nutrition and over nutrition; Nutrition infection and immunity; Nutrition education	08		


Sign of the Teacher


Head of the Department
Dept. of B. Voc
(Food Processing & Quality Management)
Annasaheb Awate College, Manchar



Rayat Shikshan Sanstha's
Annasaheb Awate Arts, Commerce & Hutatma Babu Genu Science College, Manchar
Department of Chemistry
TEACHING PLAN

Academic Year: 2023-24

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

Class: T.Y.B.Sc.

Semester: VI

Paper: CH-607 Organic Chemistry - II

Sr. No.	Month	No. of Working Days	Lecture Available	Topic to be covered	Sub topic to be covered	Lecture required	Teaching methods	References
1	Jan	26	12	Introduction to Spectroscopy Ultra Violet and Visible Spectroscopy	Introduction, meaning of spectroscopy, Types of spectroscopy, nature of electromagnetic radiation and regions of electromagnetic spectrum, Terms used in spectroscopy; wavelength, amplitude, frequency, wavenumber, energy and their relations and conversions. Introduction, Electromagnetic radiations, electronic transitions, λ_{max} & ϵ_{max} , chromophore, auxochrome, bathochromic and hypsochromic shifts, Application of visible, ultraviolet spectroscopy in organic molecules. Application of electronic spectroscopy and Woodward rules for calculating λ_{max} of conjugated dienes and α, β - unsaturated compounds. Introduction to Infrared radiation and types of molecular vibrations.	12	PPT lecture Open board and Pen Discussion	1.Pavia D.L.; Lampman G.M. Kriz G. S.; Vyvyan J.R. Spectroscopy, First Indian

2	Feb.	22	10	<p>Infra-Red Spectroscopy</p> <p>Nuclear Magnetic Resonance Spectroscopy (PMR)</p>	<p>functional group and fingerprint region. Infra-red spectroscopy in organic molecules, IR spectra of alkanes, alkenes and simple alcohols (inter and intramolecular hydrogen bonding), aldehydes, ketones, carboxylic acids and their derivatives (effect of substitution on $>C=O$ stretching absorptions).</p> <p>Introduction, Principles, Magnetic and nonmagnetic nuclei, nuclear resonance, chemical shift, shielding, & deshielding effect. Measurement of chemical shift, TMS as reference and its advantage</p>	10	<p>PPT lecture</p> <p>Open board and Pen</p> <p>Video/Animation</p> <p>Z-A teaching</p>	<p>Reprint 2008 : Brooks/Cole CENGAGE Learning</p> <p>2. Silverstein and Basallar: Spectroscopic Identification of Organic Compounds.</p>
				<p>Nuclear Magnetic Resonance Spectroscopy (PMR)</p>	<p>Peak area, integration, spin-spin coupling, coupling constants, J-value, problems based on NMR. Combined Problems Based on U.V., I.R. and PMR Spectroscopy.</p> <p>Combined problems based on U.V., I.R. and PMR spectroscopy</p>		<p>PPT lecture</p> <p>Open board and Pen</p> <p>Video/Animation</p>	
3	March	22	10			10		

4	April	23	12	Stereochemistry of Disubstituted Cyclohexane and Decalin	Recapitulation, Geometrical and optical isomerism of 1,3-dimethyl and 1,4-dimethyl cyclohexane with their stability and energy calculations. Conformations of decalin and their stability.	04	PPT lecture Open board and Pen Video/Animation	
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Dr. A. N. Kale
Subject Teacher

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

Syllabus Completion Report

Name of the Teacher:-Dr. Bolbhat S.N.

Designation:-...Professor.....

Qualification:-M.Sc. B.Ed. Ph.D.....

Experience:-...33 Years.....


Date:-...22 March 2023.....

To,
The Principal,
Annasaheb Awate College, Manchar,
Tal-Ambegaon, Dist-Pune-410 503.

I undersigned Mr./Ms./Dr. Bolbhat S.N. from the Dept. of Botany.... declare that, I have successfully completed the syllabus of Sem-I/II allotted to me during the academic year 2023 -2024 . The details of the subject allotted to me are as follows.

Sr. No.	Subject Code	Title of the Subject	Class	Lectures Estimated	Lectures Actually Conducted	Remarks
1	B0241	Plant Anatomy and Embryology	S.Y.B.Sc	30	32	Syllabus completed
2	B0363	Plant Pathology	T.Y.B.Sc	30	35	-11-
3	B0365	Advanced Plant Biotechnology	T.Y.B.Sc	30	34	-11-


Faculty


Professor and Head
Department of Botany
Annasaheb Awate College, Manchar, Tal-Ambegaon Dist-Pune


Principal

Syllabus Completion Report

Name of the Teacher:- Dr. N. B. Achmuth

Designation:- Assistant Professor

Qualification:- M.Sc., B.Ed., M.Phil., Ph.D.

Experience:- 16 Years

Date:- 22/03/2024

To,
The Principal,
Annasaheb Awate College, Manchar,
Tal-Ambegaon, Dist-Pune-410 503.

I undersigned Mr./Ms./Dr. N. B. Achmuth from the Dept. of Botany declare that, I have successfully completed the syllabus of Sem-I/II allotted to me during the academic year 2023 -2024 . The details of the subject allotted to me are as follows.

Sr. No.	Subject Code	Title of the Subject	Class	Lectures Estimated	Lectures Actually Conducted	Remarks
1	BO 121	Plant life and Utilization	F.Y.B.Sc.	30	32	Completed
2	BO 361	Plant Breeding & seed Technology	TY BSc	30	35	Completed
3	BOT 243	Plant Tissue Culture Technology	M.Sc. II	30	32	Completed

N. B. Achmuth
Faculty

[Signature]
Head
Professor and Head
Department of Botany
Annasaheb Awate Arts, Commerce and Hattima Babu
Science College, Manchar, Tal.Ambegaon, Dist.Pune

[Signature]
Principal

Syllabus Completion Report

Name of the Teacher:-Mr. Bhalke S.B..

Designation:- Assistant Professor

Qualification:-M.Sc, SET

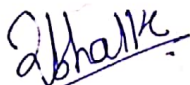
Experience:-5 years


Date:- 31/10/2023

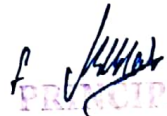
To,
The Principal,
Annasaheb Awate College, Manchar,
Tal-Ambegaon, Dist-Pune-410 503.

I undersigned Mr. Bhalke S.B. from the Dept. of Mathematics declare that, I have successfully completed the syllabus of Sem-I allotted to me during the academic year 2023-24 . The details of the subject allotted to me are as follows.

Sr.No.	Subject code	Title of the subject	Class	Lectures estimated	Lectures actually conducted	Remarks
1	MT 112	Calculus I	F.Y.B.Sc	36	40	100% completed
2	MT-232(A)	Numerical Methods and It's Applications	S.Y.B.Sc	36	41	100% completed
3	MT 351	Metric Spaces	T.Y.B.Sc	36	38	100% completed
4	MT-356B	Number Theory	T.Y.B.Sc	36	40	100% completed


Faculty


Head


Principal
ANNASANEH AWATE COLLEGE
MANCHAR (DIST-PUNE)

Syllabus Completion Report

Name of the Teacher:-Mr. Shete R.K.

Designation:- Assistant Professor

Qualification:-M.Sc,NET,SET

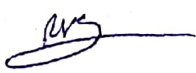
Experience:- 6 years

Date:- 31/10/2023


To,
The Principal,
Annasaheb Awate College, Manchar,
Tal-Ambegaon, Dist-Pune-410 503.

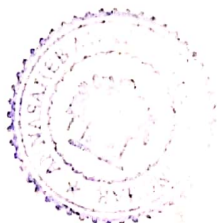
I undersigned Mr. Shete R.K. from the Dept. of Mathematics declare that, I have successfully completed the syllabus of Sem-I allotted to me during the academic year 2023-24 . The details of the subject allotted to me are as follows.

Sr.No.	Subject code	Title of the subject	Class	Lectures estimated	Lectures actually conducted	Remarks
1	MT-231	Calculus Of Several Variables	S.Y.B.Sc	36	40	100% completed
2	MT-353	Group Theory	T.Y.B.Sc	36	38	100% completed
3	MT-3510	Programming In Python -I	T.Y.B.Sc	36	39	100% completed
4	MT-3511	Latex For Scientific Writing	T.Y.B.Sc	36	38	100% completed
5	BBt-108	Biomathematics and Biostatistics-I	F.Y.B.Sc (Biotechnology)	30	32	100% completed


Faculty


Head


PRINCIPAL
ANNASAHAB AWATE COLLEGE
MANCHAR (DIST. PUNE)



Syllabus Completion Report

Name of the Teacher:-Mr. Rokade M.D.

Designation:- Assistant Professor

Qualification:-M.Sc, SET

Experience:-7 years

Date:- 31/10/2023

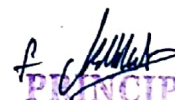
To,
The Principal,
Annasaheb Awate College, Manchar,
Tal-Ambegaon, Dist-Pune-410 503.

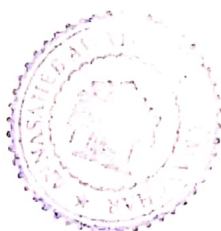
I undersigned Mr. Rokade M.D. from the Dept. of Mathematics declare that, I have successfully completed the syllabus of Sem-I allotted to me during the academic year 2023-24 . The details of the subject allotted to me are as follows.

Sr.No.	Subject code	Title of the subject	Class	Lectures estimated	Lectures actually conducted	Remarks
1	MT 111	Algebra	F.Y.B.Sc	36	40	100% completed
2	MT 352	Real analysis I	T.Y.B.Sc	36	38	100% completed
3	MT 355(A)	Operations Research	T.Y.B.Sc	36	39	100% completed
4	CA 105	Business Statistics	F.Y.B.B.A.(C.A.)	48	50	100% completed


Faculty


Head


Principal
ANNASAHAB AWATE COLLEGE
MANCHAR, TAL. AMBEGAON, DIST. PUNE



Rayat Shikshan Sanstha's,
Annasaheb Awate Arts, Commerce & Hutatma Babu Genu Science
College, Manchar, Pune
Department of Geography

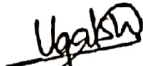
2023-24
Syllabus Completion Report


Name of the Teacher:- Ugale S.D.
Designation:-Assistant Professor
Qualification:-M.A.NET
Experience:- 11 Years
Date:-29/04/2024


To,
The Principal,
Annasaheb Awate College Manchar,Pune.
Tal-Ambegaon, Dist-Pune-410 503.

I undersigned Smt. Ugale S.D. from the Dept. of Geography declare that, I have successfully completed the syllabus of Sem-II/IV/VI allotted to me as per Teaching Plan during the academic year 2023-2024. The details of the subject allotted & Syllabus competition to me are as follows.

Sr. No.	Subject Code	Title of the Subject	Class
1	G1	Human Geography	F.Y.B.A. "A" & "B"
2	S1	Geography of Maharashtra-II	S.Y.B.A.
3	S4	Technique in spatial analysis (Practical)- II	T.Y.B.A.


Faculty


Head
Head
Department Of Geography
A. A. College,Manchar


Principal
Principal
Annasaheb Awate Arts, Commerce &
Hutatma Babu Genu Science College, Manchar

Rayat Shikshan Sanstha's,
**Annasaheb Awate Arts, Commerce & Hutatma Babu Genu Science
College, Manchar, Pune**
Department of Geography


2023-24
Syllabus Completion Report

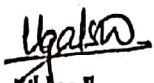
Name of the Teacher:-Mindhe V.R.
Designation:-Assistant Professor
Qualification:-M.A.NET, SET
Experience:- 13 Years
Date:- 29/04/2024


To,
The Principal,
Annasaheb Awate College Manchar,Pune.
Tal-Ambegaon, Dist-Pune-410 503.

I undersigned Mr. Mindhe V.R.. from the Dept. of Geography declare that, I have successfully completed the syllabus of Sem-II/IV/VI allotted to me as per Teaching Plan during the academic year 2023-2024. The details of the subject allotted to me and syllabus completion are as follows.

Sr. No.	Subject Code	Title of the Subject	Class
1	125C	Elements of Commercial Geography II	F.Y.B.Com.
2	24999	Environmental Studies	S.Y.B.A.
3	S2	Cartographic Techniques & Surveying (Practical II)	S.Y.B.A.
4	S3	Geography of India	T.Y.B.A.


29/04/24
Faculty


Head
Department of Geography
A. A. College, Manchar


Principal
Principal
Annasaheb Awate Arts, Commerce &
Hutatma Babu Genu Science College, Manchar

To,

The Principal,

A.A.College, Manchar

I undersigned Assistant Professor Pardhi R.P. from the **Dept. Of History** of our college would like to write you that I have successfully completed the syllabus allotted to me during the academic year **2023-24** year. The details of the subject allotted to me are as follows.

Sr. No.	Paper Name	Class	%
1	Early India: From Pre-History to The Age of Mauryas	F.Y.	100%
2	History of the Marathas (1630-1707)	S.Y.	100%
3	Tourism Management	S.Y.	100%
4	Indian National Movement (1885-1947)	T.Y.	100%
5	Museology	T.Y.	100%
6	Introduction to Historiography	T.Y.	100%

R. Pardhi

Name of the Faculty



R. Pardhi
Head,

Department of History
Annasaheb Awate College, Manchar (Pune)

Annasaheb Awate Arts, Commerce and Hutatma Babu Genu Science College,
Manchar

2023-24

Department of English
Syllabus completion Report

Name of the Teacher: Dr. Wagh G.C.

Designation : Asso. Professor

Qualification: M.A.,SET.,Ph.D.

Experience: 18 Years

Date : 29/03/2024

To,

The Principal.

Annasaheb Awate College, Manchar, Pune

Tal:- Ambegaon, Dist -Pune -410504

I undersigned Dr. Wagh G.C. from the Department of English declare that, I have successfully completed the Syllabus of semester - II/ IV/ VI allotted to me as per Teaching Plan during the academic year 2023-24. The details of the subject allotted to me are as follows.

Sr. No.	Subject Code	Title of the subject	Class
01	12331	Optional English	F.Y.B.A.
02	36331	Appreciating Novel (Special-III)	T.Y.B.A.
03	36001	Compulsory English	T.Y.B.A.
04	ENG 562 MJ	Academic Writing	M.A-I
05	40608	World Literatures in English	M.A-II

Faculty

Head,
Department of English
Rayat Shikshan Sanstha's
Annasaheb Awate College,
Manchar, (Pune)

Principal

Rayat Shikshan Sanstha's
Annasaheb Awate College, Manchar
Department of B. Voc. Food Processing & Quality Management
2023-24
Syllabus Completion Report

Name of the Teacher: Mrs. Bhalekar M.T.
Designation: Assistant Professor
Qualification: M.Com. B. Ed.
Date: 29/04/2024

To,
The Principal,
Annasaheb Awate College, Manchar, Pune.
Tal: Ambegaon, Dist: Pune- 410503.

I undersigned Mrs. Bhalekar M.T. from the department of Commerce declare that, I have successfully completed the syllabus of semester II allotted to me as per teaching plan during the academic year 2023-24. The details of the subject allotted to me are as follows.

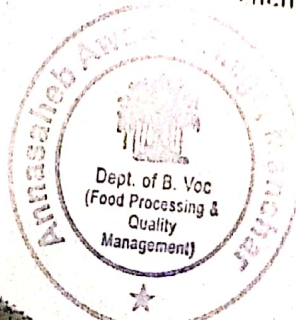
Sr. No.	Class	Subject code	Subject	Lecture Estimated	Lecture actually conducted	Syllabus Completion
1	S. Y. B. Voc. (Sem IV)	FG 41	Fundamental of Financial Accounting- II	48	48	100%

Faculty

Bhalekar M.T.

Head
Head

Dept. of B. Voc
(Food Processing & Quality Management)
Annasaheb Awate College, Manchar



Principal
Principal

Annasaheb Awate Art's, Commerce &
Hutatama Babu Genu Science College
Manchar Tal. Ambegaon Dist. Pune

Syllabus Completion Report

To,

The Principal,

Annasaheb Awate College, Manchar.

Date:

I undersigned Asst. Prof. Dr. Vilas Damodhar Sadaphal from the **Department of Political Science** of our college would like to write you that I have successfully completed the syllabus allotted to me during the academic year **2023-24 (Second Semester)**. The details of the subjects allotted to me are as follows:

Sr. No.	Paper Name	Class	Syllabus Completion %
1	Introduction to Indian Constitution -G-I	F.Y.B.A	100%
2	Political Journalism- S-II	S.Y.B.A	100%
3	Basics of Indian Constitution- SEC	S.Y.B.A	100%
4	Public Administration-S-III	S.Y.B.A	100%
5	International Politics- S-IV	T.Y.B.A	100%
6	Local Self Government of Maharashtra -G-III	T.Y.B.A	100%

Head
Dept. of Politics
A. A College, Manchar



Principal
Annasaheb Awate College
Manchar, Tal. Ambegaon, Dist. Pune

Student Centric Methods displayed in college campus

Rayat Shikshan Sanstha's
Annasaheb Awate Arts, Commerce & Hutatma Babu Genu Science College Manchhar,
Tal. Ambegaon, Dist. Pune, 410503
 Affiliated to Savitribai Phule Pune University
 NAAC Accredited 3rd Cycle "A" Grade College (CGPA 3.09)

STUDENT CENTRIC TEACHING AND LEARNING METHODS USED

Experiential Learning Methods <ul style="list-style-type: none"> ▶ Practicals ▶ Industrial/ Field Visits ▶ Field Work ▶ Study Tour ▶ Workshops ▶ Projects ▶ Hands on Training ▶ Short Term Course ▶ Career Oriented Course ▶ On Job Training/ Internship ▶ Budget Preparation & Discussion ▶ Role Play ▶ Peer Teaching 	Participative Learning Methods <ul style="list-style-type: none"> ▶ Conference/ Seminars ▶ Student Seminars ▶ Group Discussion ▶ Quiz & Debates ▶ Digital Newsletter ▶ Departmental Fests ▶ 3D Models & Poster Prep ▶ Guest Lecture ▶ Extension Activities ▶ Book Review ▶ Rally ▶ MOOCs ▶ NSS/ NCC/ Sport Activities ▶ Celebration of Various Days
Problem Solving Methods <ul style="list-style-type: none"> ▶ Projects ▶ Survey ▶ NGPE Guidance ▶ NET SET Workshop ▶ Z to A Approach ▶ Mnemonics ▶ Assignments on Problems ▶ Quiz ▶ Field Work ▶ Quadrant Method ▶ Case Study ▶ Problems on Biochemistry ▶ Problems on Genetics ▶ RBPT 	ICT Enabled Tools <ul style="list-style-type: none"> ▶ YouTube Channel ▶ Virtual Laboratory (IIT-B) ▶ Animated Videos ▶ Power-point Presentation ▶ Softwares – Maxima, Desmos, Origin, Verilog, Dev C ++, Arduino, GIS, RS, etc. ▶ Google Classrooms ▶ Blogs ▶ Rayat ERP ▶ WhatsApp Groups ▶ Google Meet ▶ Virtual Classroom ▶ Microsoft Services ▶ Zoom



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

Department of BBA (CA)

STUDENT CENTRIC ACTIVITIES

Name of department:-	BBA(CA)	Academic year:-	2023-2024
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SUMMARY

Sr. No.	Student Centric Activities	Activities organized	Date / No	No. of Beneficiaries
1.	Experiential Learning	Example 1. Practicums	16/8/2023	60
2.	Participative Learning	Example 1. Student's Seminar 2. Short term course in cyber law	29/9/2023 20/1/2023	60 82
3.	Problem Solving Methods	1. Practical on problem-based question	28/10/2023	60
4.	Online Learning Modules /ICT method used	Examples 1. Google Classroom 2. Virtual Labs 3. Software used C 4. Whats App Group	16/7/2023 3/10/2024 16/7/2023 16/7/2023	All Students All Students All Students All Students



[Signature]

**H.O.D.
BBA(CA) Department
A.A.College, Manchar 410 503**

AACM_Student Centric Methods A. Y. 2023-24

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

STUDENT CENTRIC ACTIVITIES

Name of department

: Economics

Academic Year 2023-24

SUMMARY

Sr. No.	Student Centric Activities	Activities organized	Date/ No.	No. of Beneficiaries
1.	Experiential Learning	Example	19/03/2024	32
		1. Field visit to	02/04/2024	01
		2. Budget preparation and discussion	01/02/2024	44
		3. On the job training/ internship	02/05/2024	07
		4. workshops	02/11/2023 to 4/11/2023	56
		5. Industrial Visit	07/02/2024	26
		Example	21/08/2024	30
2.	Participative Learning	6. Quiz		
		1. Role Play	16/03/2024	25
			05/04/2024	25
			06/04/2024	35
		2. .Avishkar		05
		3. Students' seminars	05/09/2023	28
			16/03/2021	31
		4. Short term course in	25/10/2023 to 19/03/2024	17
		E-Banking		
		5. Survey	10/04/2024	02
		6. Any other (Peer Teaching)	08/05/2023	27


Head


Department Of Economics
A. A. College, Manchar

AACM_Student Centric Methods A. K. 20.. - ..

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

Department of English
Student Centric Activity
2023-2024
Summary

Sr.No.	Student Centric Activity	Activities Organized	Date/No.	No.of Beneficiaries
01	Experiential Learning	Example:- 1. Educational Tour	23/02/2024	39
02	Participative Learning	Example:- 1. Students Seminar 2.Short Term Course in Spoken English 3.Group Discussion 4.Welcome Function	02/12/2023 5/09/2023	7 30 7 48
03	Problem Solving Methods	Example:- 1.	—	—
04	ICT Methods Used	Example:- 1.List of PPT 2.List of Videos 3.Video Lectures 4,E-Learning		9 9 12 15


Head,
Department of English
Annasaheb Awate College
Manchar, (Pune)

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

STUDENT CENTRIC ACTIVITIES

Name of department

:Chemistry

Academic Year: 2023-24

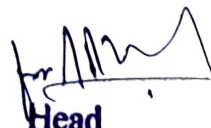
SUMMARY

Sr. No.	Student Centric Activities	Activities organized	Date/ No.	No. of Beneficiaries
1.	Experiential Learning	Example 1. (a)Educational tour to Parag Milk Food Ltd. (b)Educational tour to MAGS-IATRC Research & Training Pvt. Ltd. (c)Educational tour to Savitribai Phule Pune University. (d)Educational tour to C-MET 2. On the job training/ internship	08/04/2024 10/04/2024 10/04/2024 10/04/2024 23/01/23	25 45 45 45 06
2.	Participative Learning	Example 1. Group discussion 2. Avishkar 3. Students' seminars 4. Short term course (a)Short term course in Certificate course in Instrumental methods in chemical analysis.	28/10/2024 29/02/2024 03/10/2023 07/10/2023 02/04/2024 03/04/2024 29/01/2024 01/01/2024	48 27 07 11 19 07 25 18



		(b) Short term course in Certificate course in Dairy Science.	23/03/2024	12
			25/02/2024	32
		4.CHEMIAD Competition 2023-24		
3.	Problem Solving Methods	Example 1. Assignments on problem-based questions 2. Open book test 3. Internal Exam	06/04/2024 07/10/2023 27/03/2024 28/03/2024 18/04/2024	74 24 19 07 07
4.	ICT methods used	Examples 1. List of ppt 2. Virtual labs	11/01/2024 05/04/2024 06/04/2024	24 48 06




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

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

STUDENT CENTRIC ACTIVITIES

Name of department : MARATHI


Academic Year: 2023-24

SUMMARY

Sr. No.	Student Centric Activities	Activities organized	Date/ No.	No. of Beneficiaries
1.	Experiential Learning	Example 1. Practicums 2. Field visit to ... 02..... 3. Survey ----02---	06.02.2024 03.03.2024/ 01 01.04.2024 / 02	08 06 06
2.	Participative Learning	Example 1. Quiz 2. Group discussion 3. Avishkar 4. Students' seminars 5. Short term course in पत्रकारिता	14.01.2024 16.01.2024 13.04.2024 06.03.2024 01.09.2023	180 08 10 06 29
3.	Problem Solving Methods	Example 1. Assignments on problem-based questions 2. Any other	-	-
4.	ICT methods used	Examples 1. List of ppt 2. List of videos 3. Webinars 4. Virtual labs 5. Softwares used 6. Any other	Attached Attached	- -


Prepared by




Approved by
मराठी विभाग प्रमुख
अण्णासाहेब आवटे महाविद्यालय,
मंथर, पुणे.

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

STUDENT CENTRIC ACTIVITIES

Name of department :History **Academic Year:** 2023-24

SUMMARY

Sr. No.	Student Centric Activities	Activities organized	Date/ No.	No. of Beneficiaries
1.	Experiential Learning	Example <ol style="list-style-type: none"> 1. Practicums 2. Field visit to 3. Educational tour to 4. Interviews by students 5. Budget preparation and discussion 6. On the job training/ internship 7. Hands on workshops 8. Survey 9. Any other 	Social Survey (2023-24) TYBA. 06/03/2024.	09
2.	Participative Learning	Example <ol style="list-style-type: none"> 1. Quiz 2. Group discussion 3. Departmental fests 4. Seminars/ webinars/ conferences 5. Avishkar 6. Shark tank activity 7. Debate competitions 8. Students' seminars 9. Short term course in 10. MOOC Courses 11. Any other 	Short Term Course on "Modi Lipi" 2023-24. 04/12/2023	30
3.	Problem Solving Methods	Example <ol style="list-style-type: none"> 1. Assignments on problem-based questions 2. Any other 	Student Reasearch Project (2023-24) TYBA. 14/03/2024.	09

4.	ICT methods used	Examples <ol style="list-style-type: none"> 1. List of ppt 2. List of videos 3. Webinars 4. Virtual labs 5. Softwares used 6. Any other 	List of videos related of history. List of Links- 30 Above. 2023-24	20
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for- Barode-7
Prepared by

for- Barode-7
Approved by
Head,
Department of History
Annasaheb Awate College, Manchar (Pune)

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

STUDENT CENTRIC ACTIVITIES

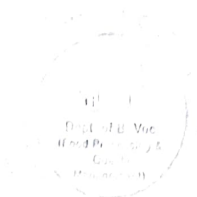
Name of department :	Dept. of food Processing & Quality Management	Academic Year:	2023-24
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SUMMARY

Sr. No.	Student Centric Activities	Activities organized	Date/ No.	No. of Beneficiaries
1.	Experiential Learning	Example 1. Practical's 2. Study tour to Agricultural Exhibition 3. On the job training/ internship	30 Practical's 29/01/2024 11	09 06 09
2.	Participative Learning	Example 1. Group discussion 2. Students' seminars	05/09/2023 02	08 09
3.	Problem Solving Methods	Example 1. Assignments	25-30	09
4.	ICT methods used	Examples 1. Google Classrooms	03	09

G. Harkar

Signature of Head of Department
 Date: _____





STUDENT CENTRIC ACTIVITIES

Name of department : Physics

**Academic Year:
2023-2024**

SUMMARY

Sr. No.	Student Centric Activities	Activities organized	Date/ No.	No. of Beneficiaries
1.	Experiential Learning	Example 1. Practicums 2. Educational tour to IGO 3. Internship	23/02/2024 12/01/2024 to 17/01/2024	90 15 10
2.	Participative Learning	Example 1. Students' seminars 2. Short term course in C language	30/10/2022 30/01/2024 to 19/03/2024	13
3.	Problem Solving Methods	Example 1. Assignments on problem-based questions 2. Any other	4/8/2023. 18/08/2023, 29/09/2023. 29/12/2023	80
4.	ICT methods used	Examples 1. List of ppt 2. List of videos 3. Virtual labs 4. Softwares used	5/4/2024. 6/4/2024.	40 100 89 30



Signature
Dr. ...
...

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

STUDENT CENTRIC ACTIVITIES

Name of department : Department of Commerce Academic Year: 2023-24

SUMMARY

03/04/2024

Sr. No.	Student Centric Activities	Activities organized	Date/ No.	No. of Beneficiaries
1.	Experiential Learning	Example 1. On the job training/ internship to Awasari bk. Sahakari dudh utpadak sanstha 2. Social Survey to manchar city	01/02/2024 30/10/2023	16 46
2.	Participative Learning	Example 1. Online learning in Classroom Method 2. Participative Learning in Accounting 3. Internet Connectivity in Classroom Method 4. Online learning in Classroom Method 5. Online learning in Classroom Method	14/09/2023 14/09/2023 11/09/2023 11/09/2023 11/09/2023	70 73 37 37 38
3.	Problem Solving Methods	Example 1. Assignments on problem-based questions	31/08/2023	76
4.	ICT methods used	Examples 1. Virtual labs	14/09/2023	68

Prepared by




 Approved by

Head

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

Rayat Shikshan Sanstha's
Annasaheb Awate Arts, Commerce & Hutatma Babu Genu Science
College Manchar, Pune
Department of Electronic Science

2.3 Teaching Learning Process (2023-24)

Sr.No	Student Centric Activities	Activities Organized	Date	No.of Beneficiaries
1	Experiential Learning	1.Field Visit 2. Short Term Course 3. Hands on Practical Session 4.Competition-Abstract Making 5.Project by Student	22/04/2024 06/12/2023	05 14
2	Participative Learning	1.Avishkar 2. Mind Mapping Activity 3. Concept Mapping Activity 4. Extension Activities Network Generation 5.Group Discussion 6.Student Seminar 7. Wallpaper Activity	29/02/2024 04/08/2024 23/01/2023 16/03/2024 07/12/2023 19/01/2024	14 13 12 51 10 05
3	Problem Solving	1.Code Conversion		
4	ICT Methods Used	1. Virtual Lab 2.List Of Presentation(49) 3.List of Videos(23) 4.No. of Software Used(11) 5. E Content(152)	19/12/2023	24



[Signature]
Head
Dept. of Electronic Science
A. A. College, Manchar

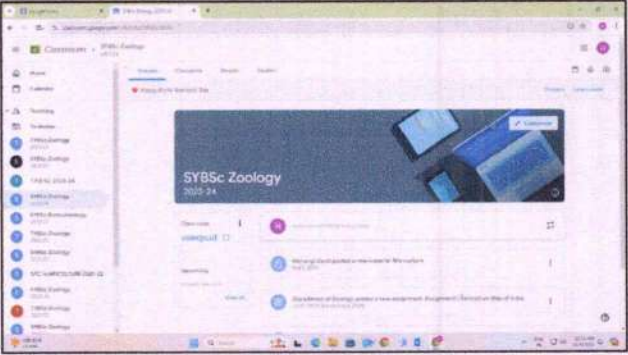
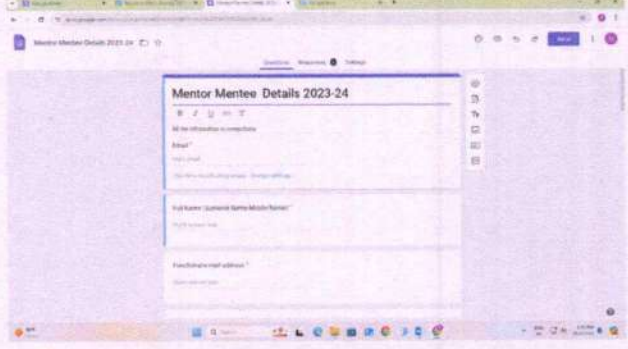

Rayat Shikshan Sanstha's
Annasaheb Awate Arts, Commerce & Hutatma Babu Genu Science College
Manchar, Tal. Ambegaon, Dist. Pune
Department of Mathematics

Student Centric activities (2023-24)




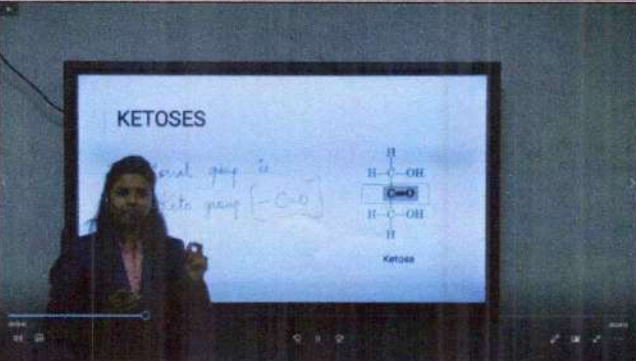
Sr. No.	Student Centric Activities	Activities organized	Date	No. of Beneficiaries
1.	Experiential Learning	Field visit to Morde foods Manchar	16/02/2024	01
2.	Participative Learning	Students' seminars	05/09/2023	11
3.	Problem Solving Methods	Assignments	31/10/2023	56
4.	Online Learning Module	1. Geogebra	07/08/2023	11
		2. Symbolab	17/01/2024	10
		3. Desmos	19/03/2024	10

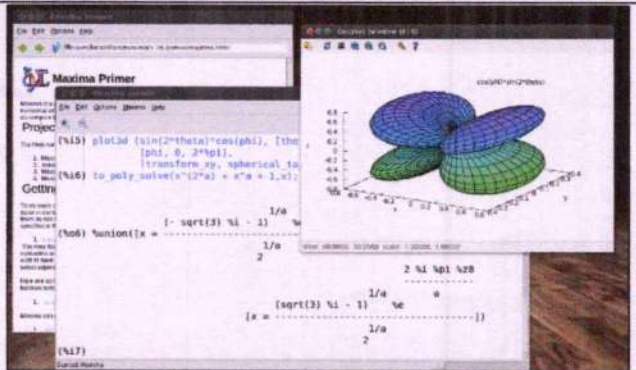
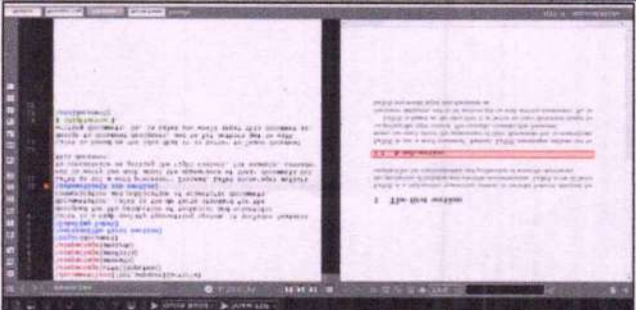
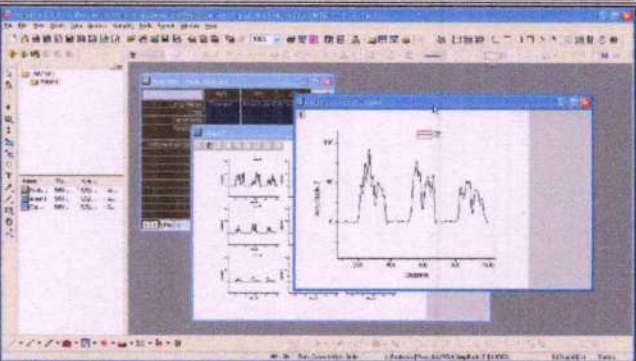
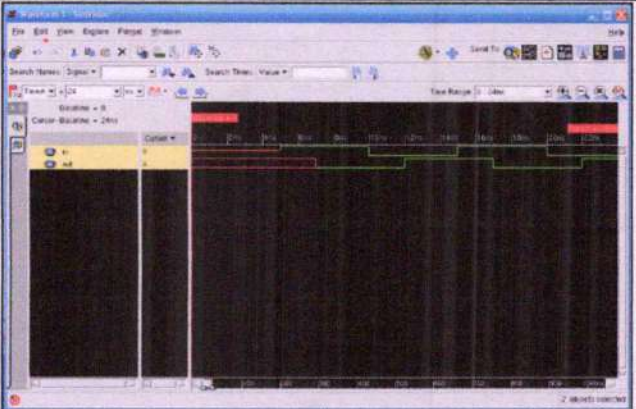
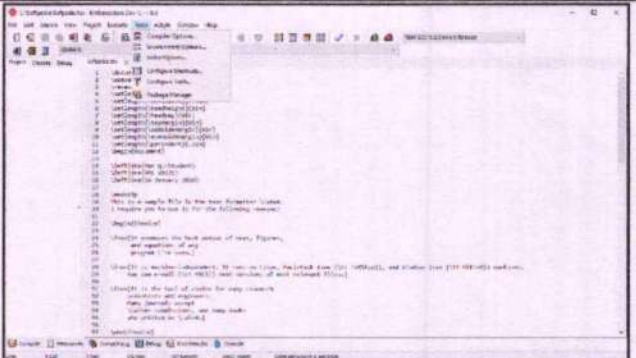
Rayat Shikshan Sanstha's
Annasaheb Awate Arts, Commerce and Hutatma Babu Genu Science College
Manchar, Tal. Ambegaon, Dist. Pune

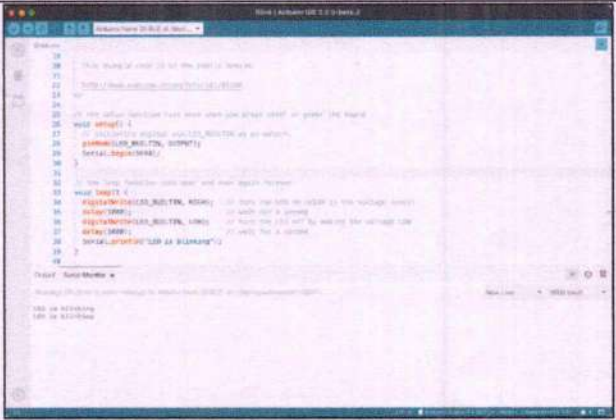

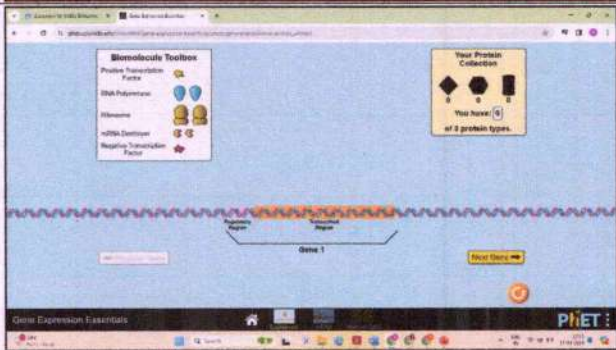
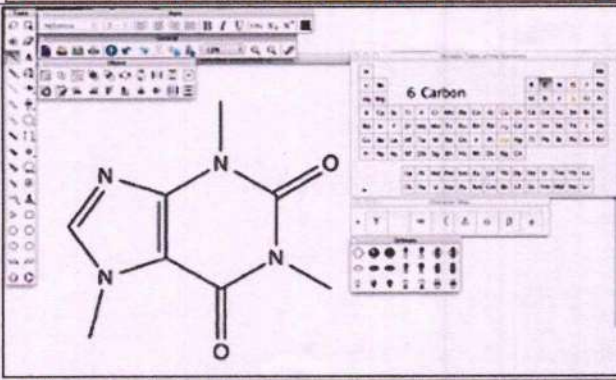
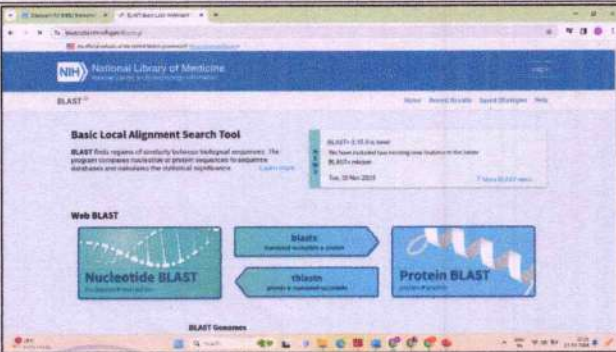
ICT TOOLS USED A.Y. 2023-24

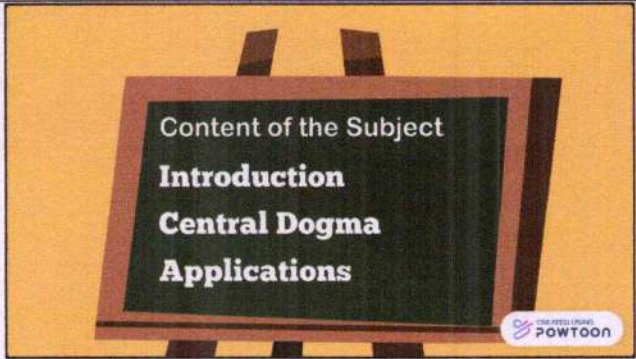
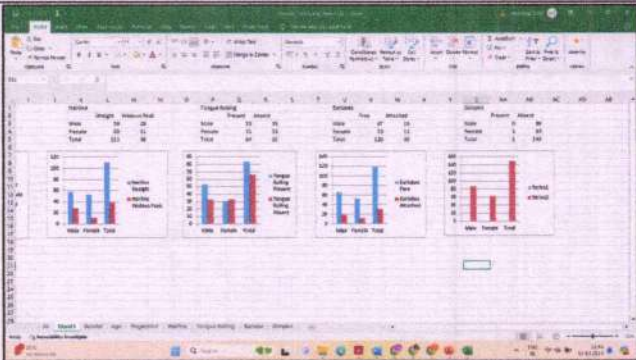
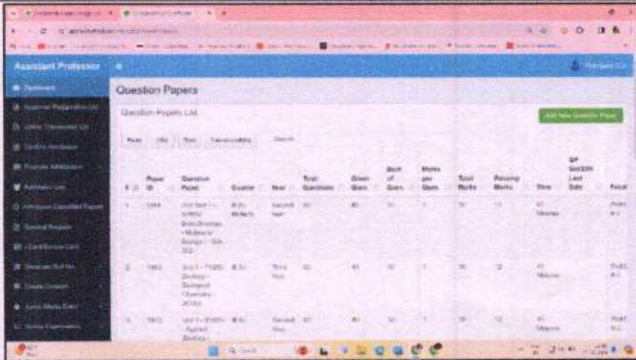
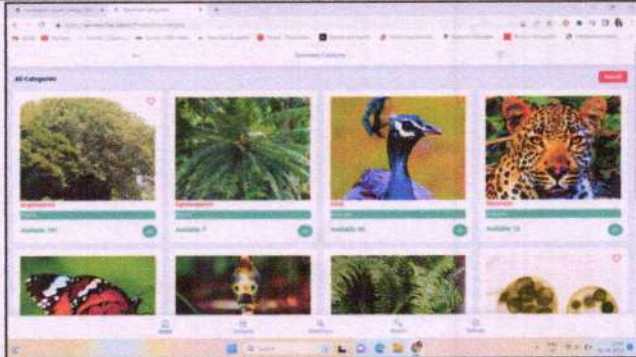
Sr. No.	Name of the ICT Tool & Use	Photograph
1.	Google Classroom Google classrooms are used for disseminating study materials, conducting online lectures and assessments.	
2.	Google forms Google forms are used for assessments.	
3.	Google Meet/ ZOOM Online lectures are conducted via google meet/ ZOOM platform.	



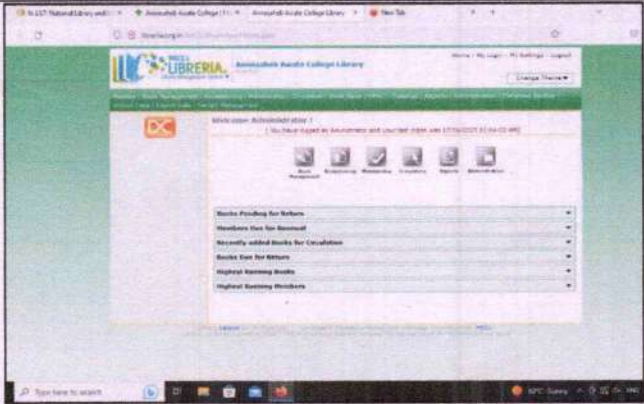
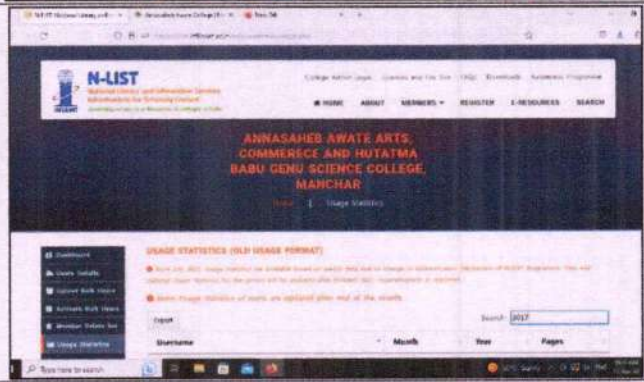
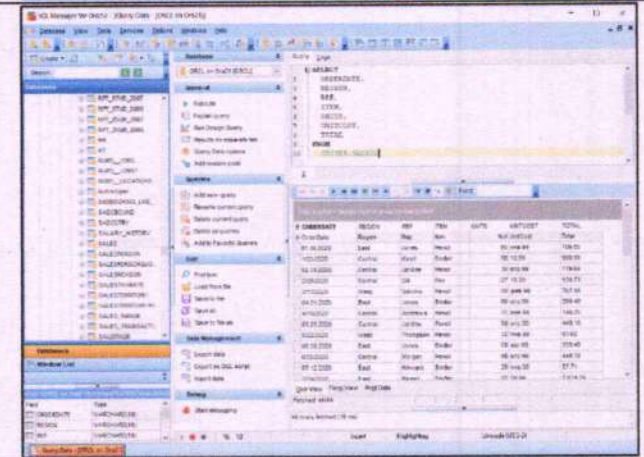
	<p>The video lectures of faculty members are uploaded on College YouTube Channel. Faculty members also use educational videos, animations published on YouTube channels.</p>	
5.	<p>Virtual Labs by IIT-B Virtual labs provide remote access to simulation-based Labs in various disciplines of Science and Engineering.</p>	
6.	<p>WhatsApp WhatsApp is used for disseminating study material, information related to examinations etc.</p>	
7.	<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>	

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

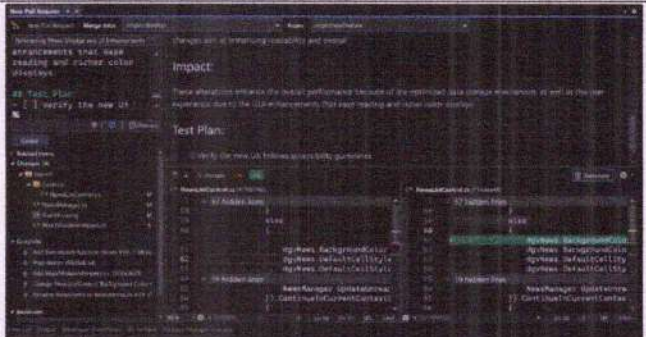
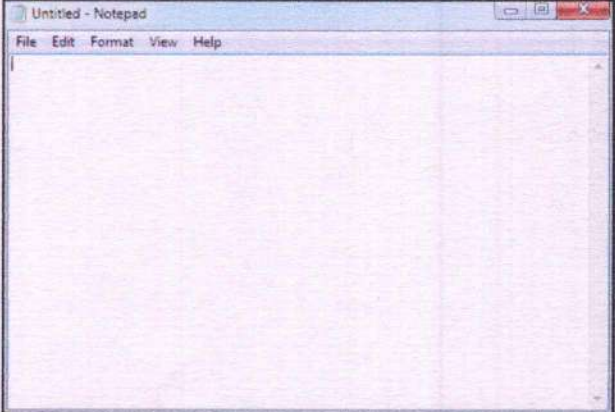
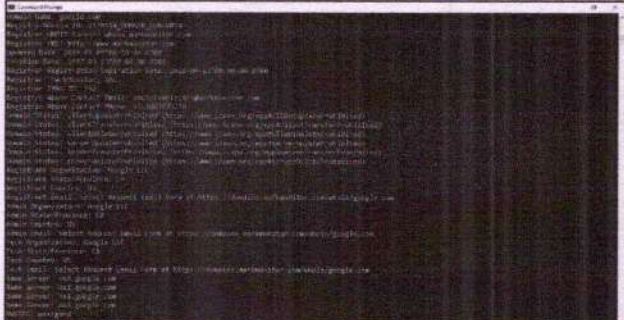
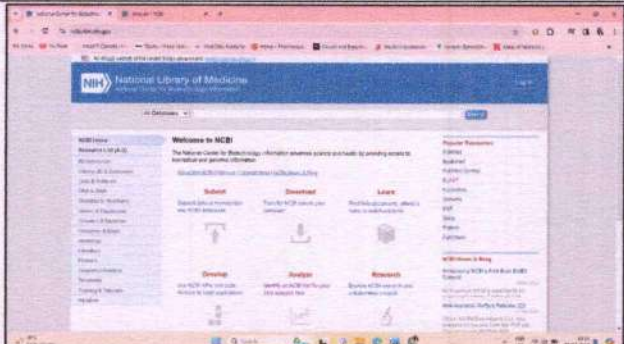
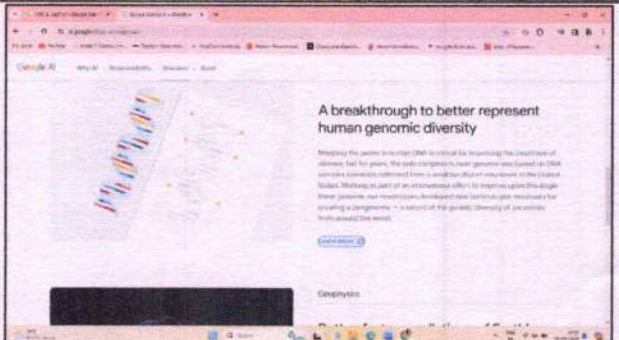
13.	Arduino Arduino is used to write code and upload it to the board	
14.	Tally It is used to calculate monetary quantities, accountancy, tax, and GST (Goods and Services Tax) amounts, as well as manage commercial transactions effectively and efficiently	
15.	PhET It is used for interactive simulations of science concepts.	
16.	Chemdraw Chemdraw is used to draw the structure of chemical compounds.	
17.	BLAST NCBI The program compares nucleotide or protein sequences to sequence databases and calculates the statistical significance.	

18.	Powtoon Powtoon is used for creating animated presentations and animated explainer videos	
19.	Powerpoint It is used to create clean slideshow presentations and recording video lectures.	
20.	Excel Excel workbook is used to collect, organize information and analyse it.	
21.	Rayat ERP It is used for evaluation process.	
22.	Biodiversity portal It provides information on biodiversity present in and around college campus.	



23.	Libreria It is a Library Management Software	
24.	N-List It provides access to e-resources to students, researchers and faculty from colleges	
25.	Python It is a high-level, general-purpose programming language.	<pre> #modeling the person class class Person(): #method to initialize name and age attributes def __init__(self, name, age): self.name = name self.age = age #method to demonstrate what a person eats def eat(self): print(self.name.title() + "eats Maalooke and rice") print("She is" + str(self.age) + " years old") def drink(self): print("Drinks water") #instantiating a class my_sister = Person("Haniifa", 30) #Accessing the class method through the class object my_sister.eat() </pre>
26.	Oracle It is used to create and manage databases.	



27.	Visual Studio It is used to develop computer programs including websites, web apps, web services and mobile apps.	
28.	Notepad Notepad is a text editor, i.e., an app specialized in editing plain text.	
29.	JDK 7 It is used for building applications, applets, and components using the Java programming language	
30.	NCBI NCBI is a leading source for public biomedical databases, software tools for analyzing molecular and genomic data, and research in computational biology	
31.	Google AI It is used to analyze and understand the content of webpages.	

ICT ENABLED TOOLS

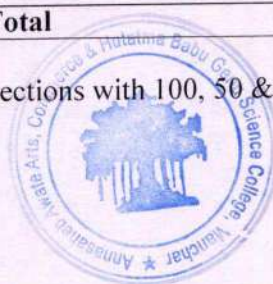
1. Laptops:

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

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



Rayat Shikshan Sanstha's
Annasaheb Awate Arts, Commerce & Hutatma Babu Genu Science College
Manchar, Tal. Ambegaon, Dist. Pune
NAAC Accredited "A" Grade


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/UCIPmGFordjTbP5mlPyG84EA/about>
8. **Digital LibraryLink:** <https://aaclibrary01.wixsite.com/mysite-aaclibrary/home>




Principal
Annasaheb Awate Arts, Commerce &
Hutatma Babu Genu Science College, Manchar

Rayat Shikshan Sanstha's
Annasaheb Awate Arts, Commerce & Hutatma Babu Genu Science College
Manchar, Tal. Ambegaon, Dist. Pune
NAAC Accredited "A" Grade

Photographs of ICT infrastructure

1. Computer Lab:



2. Auditorium:



Rayat Shikshan Sanstha's
Annasaheb Awate Arts, Commerce & Hutatma Babu Genu Science College
Manchar, Tal. Ambegaon, Dist. Pune
NAAC Accredited "A" Grade

3. Laboratory:



4. Electronic lab:



5. English Language lab:



Rayat Shikshan Sanstha's
Annasaheb Awate Arts, Commerce & Hutatma Babu Genu Science College
Manchar, Tal. Ambegaon, Dist. Pune
NAAC Accredited "A" Grade

6. Recording Studio:



7. B. Voc. Accounting & Taxation Lab:

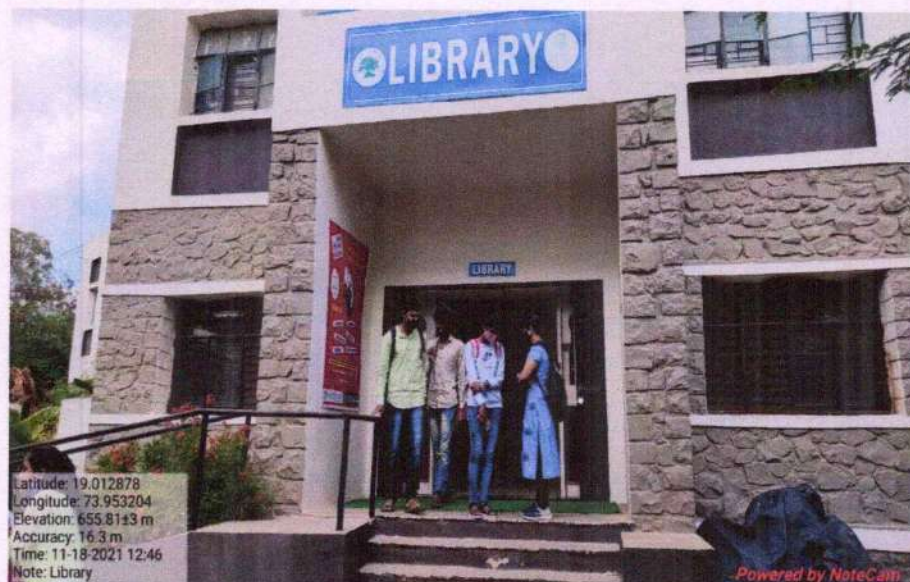


Rayat Shikshan Sanstha's
Annasaheb Awate Arts, Commerce & Hutatma Babu Genu Science College
Manchar, Tal. Ambegaon, Dist. Pune
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8. Physics Computer Room:



9. Library:





Virtual

An initiative of Ministry of Human Resource Development
under the National Mission on Education through ICT

www.vlabs.iitb.ac.in



Santosh Noronha

Chemical Engineering

Healthcare, Educational Tech

Indian Institute of Technology, Bombay, Powai, Mumbai, 400 076, India

noronhas@iitb.ac.in

(22)25767238 / 25764246

(22)25764227

NCID - 249

10/02/2024

VL/MP4/NC249/24

To,

Dr Nanasaheb Gaikwad

Annasaheb Awate Arts, Commerce & Hutatma Babu Genu Science College, Manchar
Manchar, Tal. Ambegaon Pune Maharashtra 410503

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: **Ms Hemangi Gavit**

Nodal Outreach Coordinator: **Ms Afroj Dange**

This approval is valid up to 31st Dec 2024 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 & Hutatma Babu Genu Science College
Manchar, Tal. Ambegaon, Dist. Pune

DEPARTMENT OF CHEMISTRY

VIRTUAL LABS – IIT-B

NOTICE

All the students of M.Sc. II (Organic Chemistry) are hereby informed to attend workshop on Virtual Labs and perform enlisted experiments via virtual lab as per the following schedule:

Date: 6th April 2024


Time: 12:00 PM Onward

Venue: Research Laboratory/A05, Department of Chemistry

Schedule:

In-charge Teacher	Labs/Broad Areas	List of Experiments
Dr. A. K. Valvi	Molecular Absorption Spectroscopy	Solvent Effects on the UV-visible Absorption Spectra
		Verification of Beer-Lambert Law
		Determination of unknown concentration of an analyte by using the Beer-Lambert Law
		Study of kinetics of a reaction by using spectrophotometric method
	Inorganic Chemistry Virtual Lab	Acid Base Titration
	Physical Chemistry Virtual Lab	Spectrophotometry


Departmental Coordinator


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


Nodal Coordinator

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

DEPARTMENT OF CHEMISTRY

VIRTUAL LABS – IIT-B

NOTICE

All the students of M.Sc. II (Organic Chemistry) are hereby informed to attend workshop on Virtual Labs and perform enlisted experiments via virtual lab as per the following schedule

Date: 6th April 2024


Time: 12.00 PM Onward

Venue: Research Laboratory/A05, Department of Chemistry

Schedule:

In-charge Teacher	Labs/Broad Areas	List of Experiments
Dr. A. K. Valvi	Molecular Absorption Spectroscopy	Solvent Effects on the UV-visible Absorption Spectra
		Verification of Beer-Lambert Law
		Determination of unknown concentration of an analyte by using the Beer-Lambert Law
		Study of kinetics of a reaction by using spectrophotometric method
	Inorganic Chemistry Virtual Lab	Acid Base Titration
	Physical Chemistry Virtual Lab	Spectrophotometry


Departmental Coordinator


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


Nodal Coordinator

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

DEPARTMENT OF CHEMISTRY

VIRTUAL LABS – IIT-B

NOTICE

All the students of S. Y. B. Sc are hereby informed to attend workshop on Virtual Labs and perform enlisted experiments via virtual lab as per the following schedule.

Date: 5th April 2024


Time: 12:00 PM Onward

Venue: Research Laboratory/A05, Department of Chemistry

Schedule:

In-charge Teacher	Labs/Broad Areas	List of Experiments
Dr. A. K. Valvi	Molecular Absorption Spectroscopy	Solvent Effects on the UV-visible Absorption Spectra
		Verification of Beer-Lambert Law
		Determination of unknown concentration of an analyte by using the Beer-Lambert Law
		Study of kinetics of a reaction by using spectrophotometric method
	Inorganic Chemistry Virtual Lab	Acid Base Titration
	Physical Chemistry Virtual Lab	Spectrophotometry


Departmental Coordinator


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


Nodal Coordinator

Rajat Shikshan Sanstha's
Annasaheb Awate Arts, Commerce & Hufatma Babu Genu Science College
Manchar, Tal. Ambegnon, Dist. Pune
Department of Electronic Science

VIRTUAL LABS – HT-B

NOTICE

All the students of FYBSc are hereby informed to attend workshop on Virtual Labs have been organized and perform enlisted experiments via virtual lab as per the following schedule:

Date: 03/04/2024

Time: 11:55AM

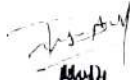
Venue: Electronics Laboratory


List of Experiments:

Class: FYBSc

1. Log and Antilog Amplifier
2. Voltage Comparator
3. Wein Bridge Oscillator using Operational Amplifier
4. Voltage Amplifier using Operational Amplifier
5. Voltage to Current Converter
6. Function Generator using Operational Amplifier
7. Astable and Bistable Multivibrator using IC 555


Subject Teacher


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


Nodal Coordinator

Kavya Shiksha Sanshodhan
Annasaheb Awate Arts, Commerce & Hattatma Babu Genu Science College
Manchar, Tal. Ambegaon, Dist. Pune
Department of Zoology
VIRTUAL LABS – IIT-B

NOTICE

Date: 01/03/2024

All the students of SYBSc (Group-B) and TYBSc are hereby informed to attend workshop on Virtual Labs have been organized and perform enlisted experiments via virtual lab as per the following schedule:


Date: 02/03/2024

Time: 11:55 AM

Venue: Computer Laboratory, Department of BBA(CA)

List of Experiments:

Class: SYBSc	Class: TYBSc
1. Mitosis in Onion Root Tips	1. Extraction of DNA from Fish Fins
2. Hemocytometer (Counting of Cells)	2. Agarose Gel Electrophoresis (AGE)
3. Isolation of Mitochondria	3. Extraction of DNA from Agarose gel
4. Light Microscope	4. Restriction Digestion
5. Cell Organization and Sub Cellular Structure Studies	5. Maintenance and Storage of DH5alpha E.coli cells
6. Lignin Staining	6. Plasmid Isolation (Mini prep)


Subject Teacher




Head
Department Of Zoology
A.A.College, Manchar


Nodal Coordinator

Rajawade Shikshan Sanstha's
Annasheeb Awate Arts, Commerce & Hutatma Babu Genu Science College
Manchar, Tal. Ambegaon, Dist. Pune
Department of Zoology
VIRTUAL LABS – IIT-B

NOTICE

Date: 29/02/2024

All the students of FYBSc (Group-B) and TYBSc are hereby informed to attend workshop on Virtual Labs have been organized and perform enlisted experiments via virtual lab as per the following schedule:

Date: 01/03/2024


Time: 12:00 PM

Venue: Laboratory, Department of Zoology

List of Experiments:

1. Mitosis in Onion Root Tips
2. Hemocytometer (Counting of Cells)
3. Isolation of Mitochondria
4. Light Microscope
5. Cell Organization and Sub Cellular Structure Studies
6. Lignin Staining


Subject Teacher


HoD
Head
Department Of Zoology
A.A.College, Manchar


Nodal Coordinator








Workshop Report - 2024 Date:01-03-2024

Institute : Annasaheb Awate Arts, Commerce & Hutatma Babu Genu Science College, Manchar

NCID : 249

Department	Users	Usage
Zoology	27	169

		
Nodal Coordinator	Principal Head of the Institute, Commerce & Hutatma Babu Genu Science College, Manchar, Tal.Ambegaon, Dist.Pune	Institute Stamp / Seal

1. Scan and Upload the duly signed ORIGINAL SOFT COPY of report.
2. Keep the HARD COPY with you in the Virtual Labs file for the record and the verification.


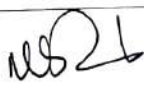



Workshop Report - 2024 Date:03-04-2024

Institute : Annasaheb Awate Arts, Commerce & Hutatma Babu Genu Science College, Manchar

NCID : 249

Department	Users	Usage
Electronics	11	205

		
Nodal Coordinator	Principal Head of the Institute Annasaheb Awate Art's Commerce, & Hutatma Babu Genu Science College, Manchar, Tal. Ambegaon, Dist. Pune	Institute Stamp

1. Scan and Upload the duly signed ORIGINAL SOFT COPY of report.
2. Keep the HARD COPY with you in the Virtual Labs file for the record and the verification.



Workshop Report - 2024 Date:05-04-2024

Institute Annasaheb Awate Arts, Commerce & Hutatma Babu Genu Science College, Manchar

NCID : 249

Department	Users	Usage
Chemistry	9	60
Electronics	3	26
Physics	16	141
Zoology	4	48

Nodal Coordinator

Head of the Institute
Principal



Institute Stamp / Seal

Annasaheb Awate Arts, Commerce &
Hutatma Babu Genu Science College,

1. Scan and Upload the duly signed **ORIGINAL SOFT COPY** of report.

2. Keep the **HARD COPY** with you in the Virtual Labs file for the record and the verification.



Workshop Report - 2024 Date:06-04-2024

Institute : Annasaheb Awate Arts, Commerce & Hattatima Babu Genu Science College, Manchar

NCID : 249

Department	Users	Usage
Chemistry	11	66
Physics	13	99
Zoology	26	176

Nodal Coordinator

Head of the Institute

Principal



Institute Stamp / Seal

Annasaheb Awate Arts, Commerce &
Hattatima Babu Genu Science College,

1. Scan and Upload the duly signed ORIGINAL COPY of Report.

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Workshop Report - 2024 Date:06-04-2024

Institute : Annasaheb Awate Arts, Commerce & Hunatima Babu Genu Science College, Manchar

NCID : 249

Department	Users	Usage
Chemistry	11	66
Physics	13	99
Zoology	26	176

Nodal Coordinator

Head of the Institute

Principal



Institute Stamp / Seal

Annasaheb Awate Arts, Commerce &
Hunatima Babu Genu Science College,

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Workshop Report - 2024 Date:06-04-2024

Institute : Annasaheb Awate Arts, Commerce & Hiralima Babu Genu Science College, Manchar

NCID : 249

Department	Users	Usage
Chemistry	11	66
Physics	13	99
Zoology	26	176

Nodal Coordinator

Head of the Institute

Principal



Institute Stamp / Seal

Annasaheb Awate Arts, Commerce &
Hiralima Babu Genu Science College,

1. Scan and Upload the duly signed ORIGINAL COPY of Report.

2. Keep the HARD COPY with you in the Virtual Labs file for the record and the verification.

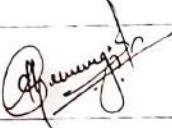




Workshop Report - 2024 Date:02-03-2024

Institute : Annasaheb Awate Arts, Commerce & Hutatma Babu Genu Science College, Manchar

NCID : 249

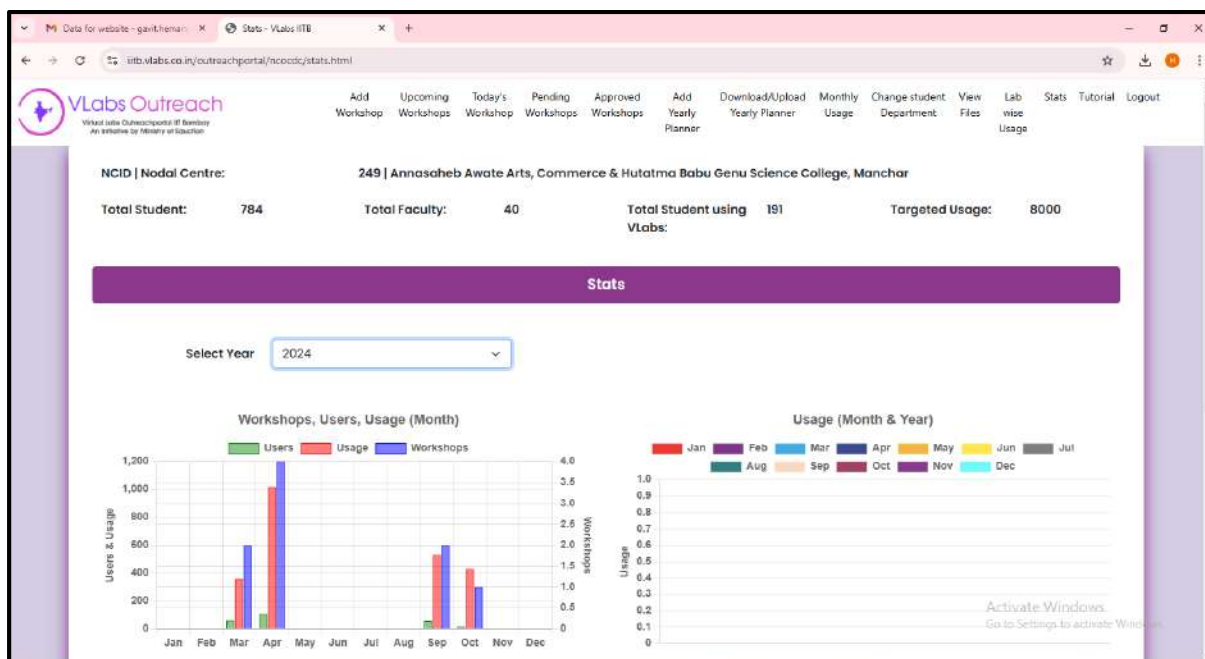
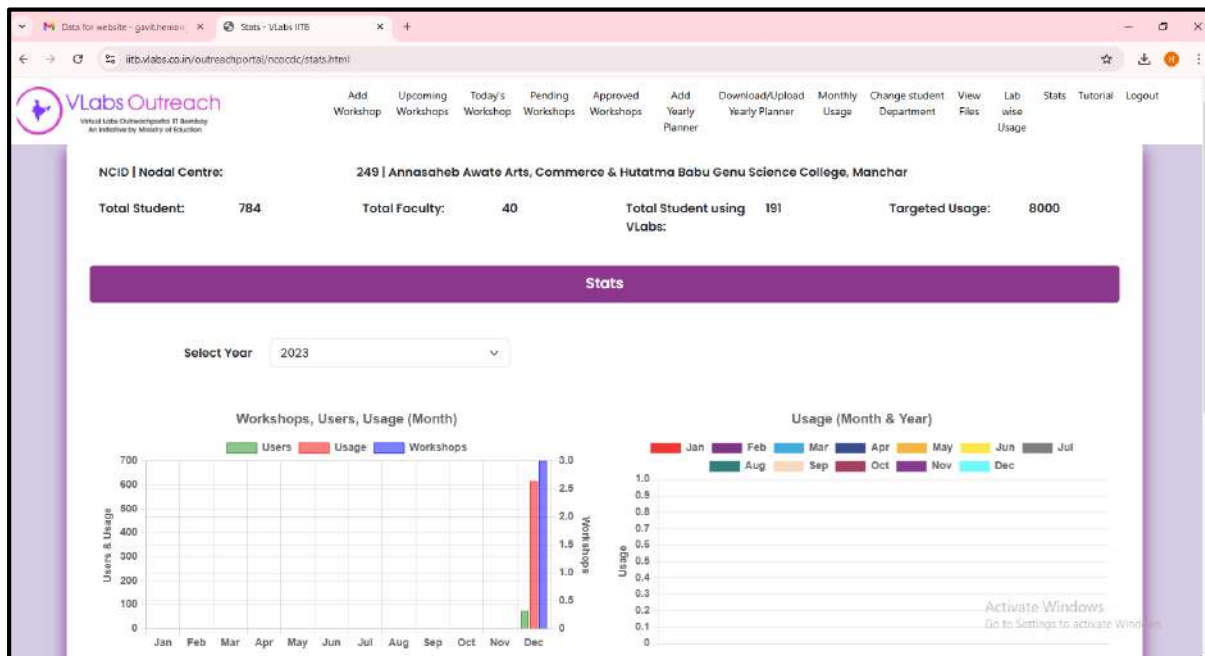
Department	Users	Usage
Zoology	31	187

	 Principal	
Nodal Coordinator	Annasaheb Awate Arts, Commerce & Hutatma Babu Genu Science College, Manchar, Tal.Ambegaon, Dist.Pune	Institute Stamp / Seal

1. Scan and Upload the duly signed ORIGINAL SOFT COPY of report.
2. Keep the HARD COPY with you in the Virtual Labs file for the record and the verification.

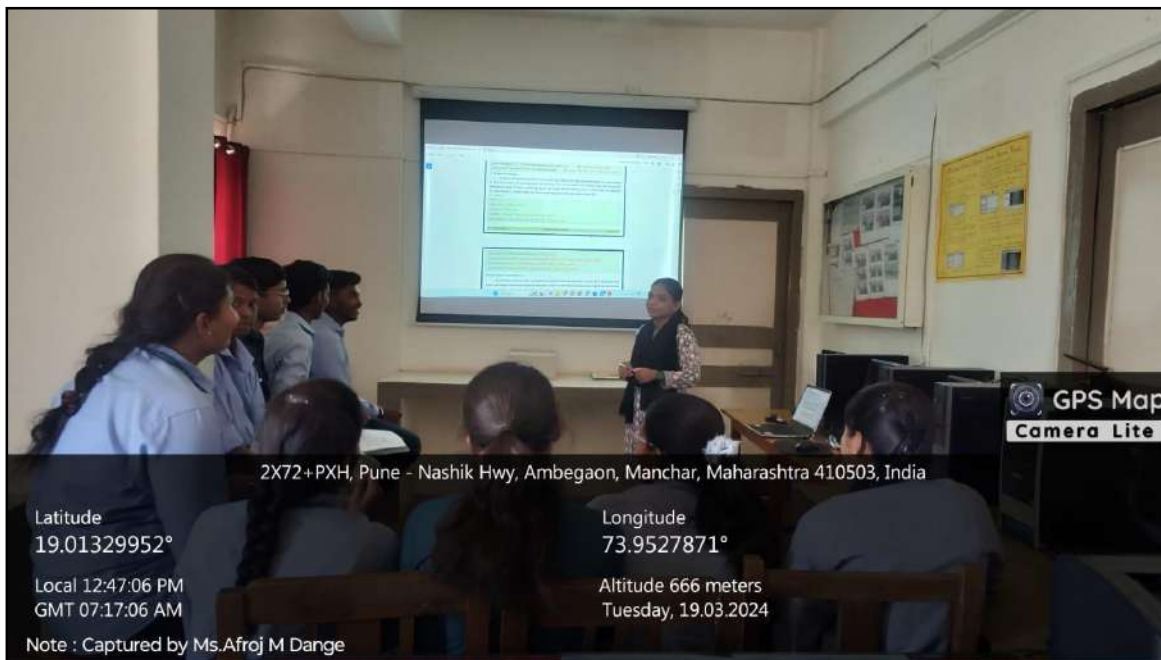
Rayat Shikshan Sanstha's
Annasaheb Awate Arts, Commerce and Hutatma Babu Genu Science College
Manchar, Tal. Ambegaon, Dist. Pune

VIRTUAL LABS NODAL CENTRE STATISTICS A.Y. 2023-24



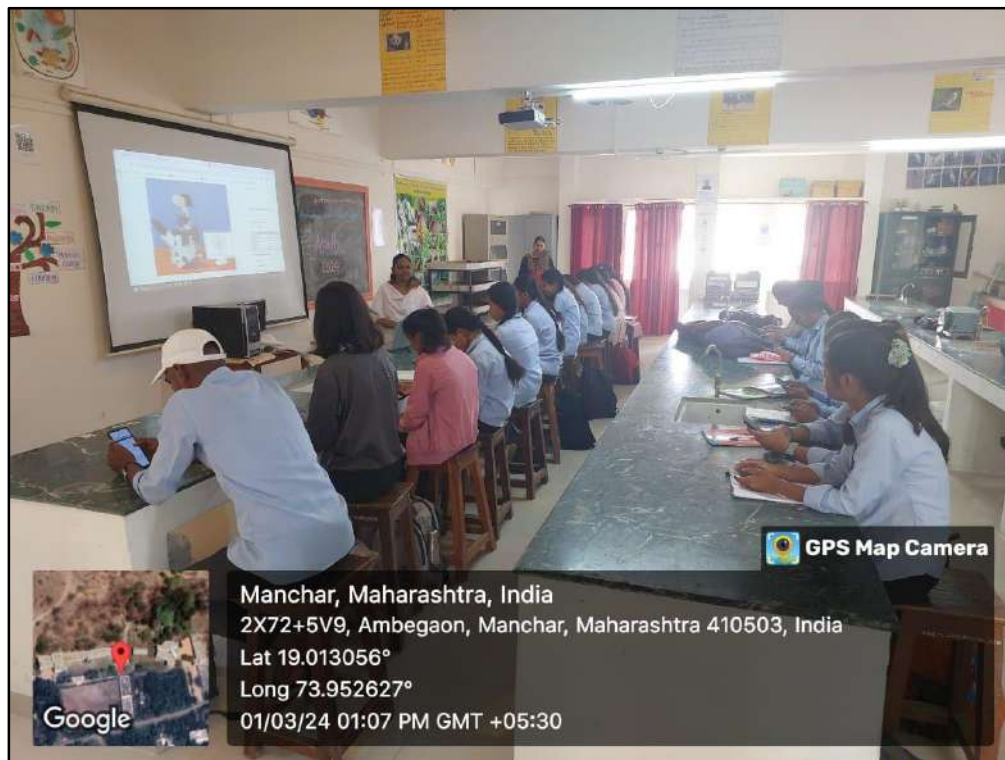
Rayat Shikshan Sanstha's
Annasaheb Awate Arts, Commerce and Hutatma Babu Genu Science College
Manchar, Tal. Ambegaon, Dist. Pune

VIRTUAL LABS NODAL CENTRE A.Y. 2023-24
PRACTICAL SESSIONS



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

VIRTUAL LABS NODAL CENTRE A.Y. 2023-24
PRACTICAL SESSIONS



GeoGebra : mathematics software
REPORT

Title : GeoGebra

Organizers : Department of Mathematics

Date : 07/08/2023

Venue : Mathematics computer lab, Annasaheb Awate Arts, Commerce & Hutatma Babu Genu Science College, Manchar

INTRODUCTION:

GeoGebra is a free, open-source, interactive mathematics software that combines geometry, algebra, and calculus in one powerful package. GeoGebra was created in 2001 by Markus Hohenwarter, a mathematician and computer scientist. Since then, it has evolved into a comprehensive platform with a global community of users.

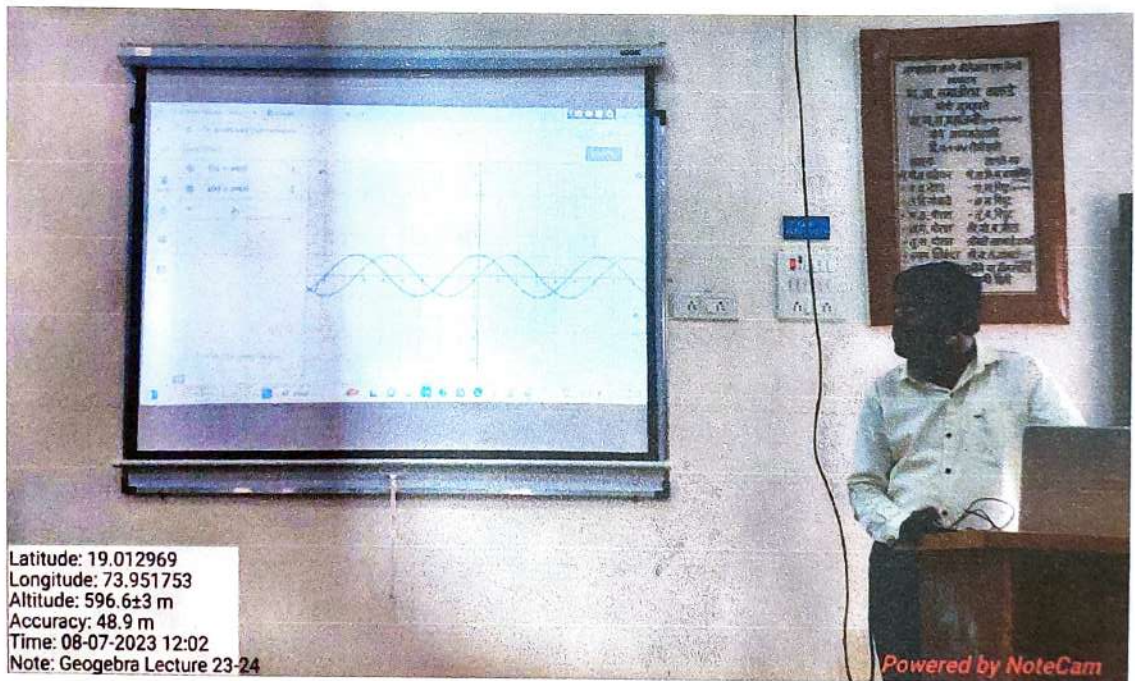
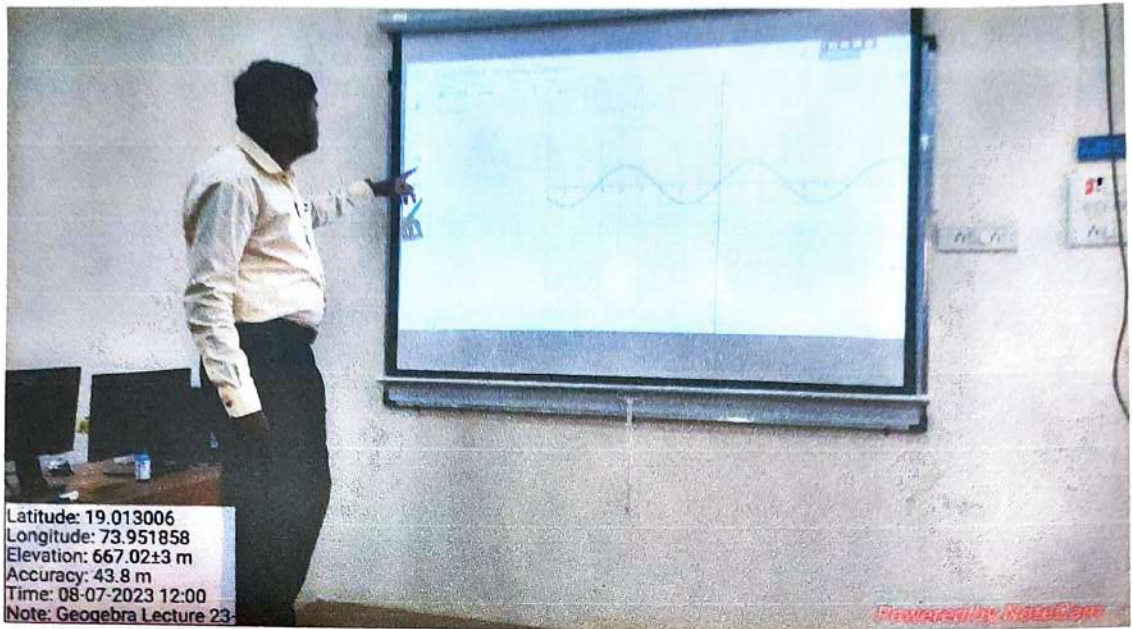
KEY OBJECTIVES:

1. Interactive Geometry: Create and manipulate geometric shapes, such as points, lines, circles, and polygons.
2. Algebra and Calculus: Work with equations, functions, and graphs, including 3D graphs.
3. Dynamic Modeling: Create interactive models of real-world phenomena, such as physics, engineering, and economics.
4. Collaboration: Share and collaborate on GeoGebra files with others in real-time.
5. Export and Share: Export GeoGebra files as images, videos, or interactive web pages.

Link : <https://www.geogebra.org/classic?lang=en>

Benefits:

1. Improved understanding: Interactive visualizations help students develop a deeper understanding of mathematical concepts.
2. Increased engagement: GeoGebra's interactive nature makes math more enjoyable and engaging for students.
3. Enhanced problem-solving: GeoGebra helps students develop problem-solving skills by allowing them to explore and experiment with mathematical concepts.



Rayat Shikshan Sanstha's
Annasaheb Awate Arts, Commerce & Hutatma Babu Genu Science College, Manchar
Department of Mathematics
Online learning Module – Geogebra

Date : 07/08/2023

Sr.No.	Name	Sign
1)	Ghule Somesh Nilesch	Ghule
2)	shinde Aishwarya Phares	shinde
3)	Dharade Vaishali Santosh	Dharade
4)	Dhengale Karishma Lalchand	Dhengale
5)	Thorat Shraddha Bhaguji	Thorat
6)	Abhang Sayali Sachin	Abhang
7)	Ranpise Siddhi Santosh	Ranpise
8)	chikhale shweta Tukaram	Chikhale
9)	Korote Parvati Subhash	Korote
10)	Lohakare pooja Kantaram	Lohakare
11)	Lohakare Pooja Kantaram	Lohakare

Subject Teacher
Mr. Rokade M D

Head
Department of Mathematics

Desmos : online graphing calculator

REPORT

Title : Desmos

Organizers : Department of Mathematics

Date : 19/03/2024

Venue : Mathematics computer lab, Annasaheb Awate Arts, Commerce & Hutatma Babu Genu Science College, Manchar

INTRODUCTION:

Desmos is a online graphing calculator that allows users to visualize and explore mathematical relationships in a dynamic and interactive way.

Some of Desmos' key features include:

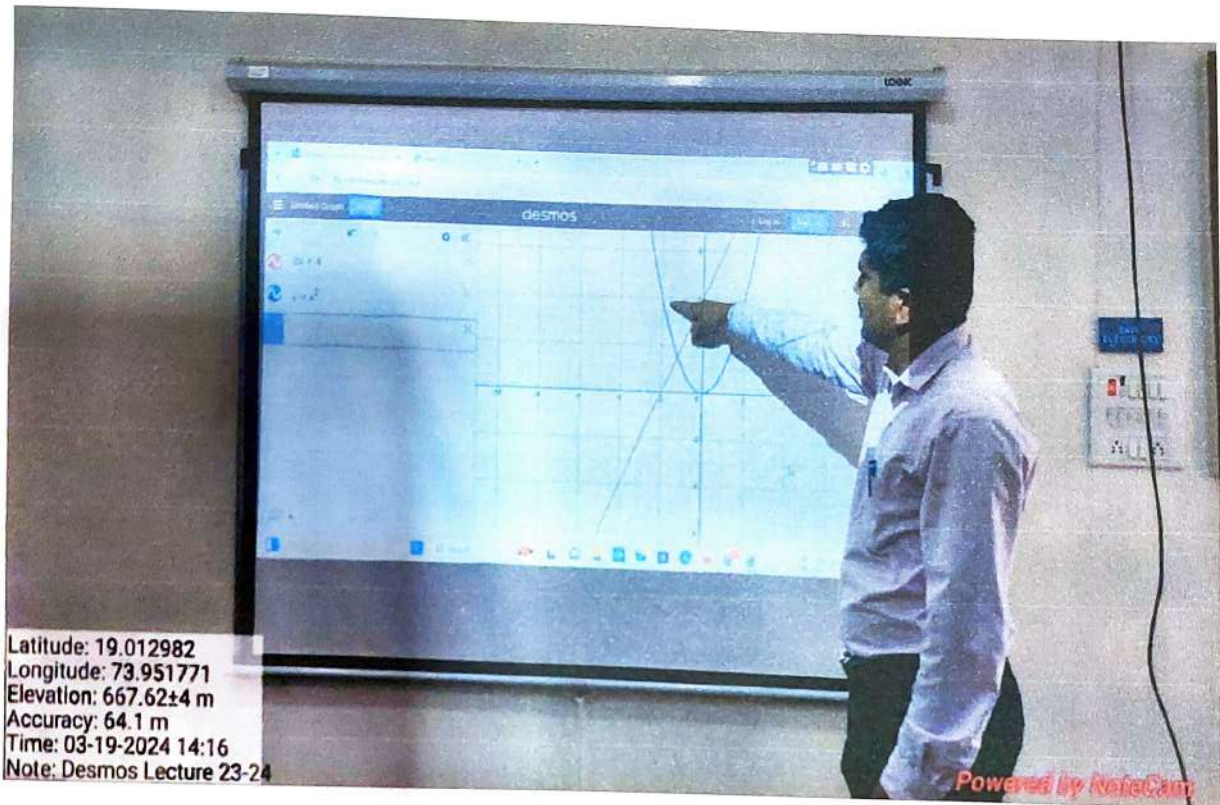
1. Graphing: Desmos can graph a wide range of functions, including linear, quadratic, polynomial, rational, exponential, and trigonometric functions.
2. Interactive graphs: Users can interact with graphs by dragging sliders, clicking and dragging points, and more.
3. Table of values: Desmos can generate tables of values for functions, making it easy to explore relationships between variables.
4. Statistics and regression: Desmos offers tools for statistical analysis, including regression, correlation, and more.
5. Geometry: Desmos allows users to create and manipulate geometric shapes, including points, lines, circles, and more.
6. Mathematical notation: Desmos supports mathematical notation, making it easy to enter and manipulate mathematical expressions.
7. Sharing and collaboration: Desmos allows users to share graphs and activities with others, making it a great tool for collaboration and classroom use.

KEY OBJECTIVES:

1. To help students develop a deeper understanding of mathematical concepts and relationships.

2. To explore mathematical concepts, visualize relationships, and develop problem-solving skills.
3. To visualize data, explore mathematical relationships, and communicate complex ideas.

Link : <https://www.desmos.com/calculator>



Raynt Shikshan Sanstha's
Annasaheb Awate Arts, Commerce & Hutatma Babu Genu Science College, Manchar
Department of Mathematics
Online learning Module – Desmos

Date : 19/03/2024

Sr.No.	Name	Sign
1)	Dhengale Karishma Lalchand	
2)	Dharade Vaishali Santosh	
3)	Ginde Akshaya Phurat	
4)	Ranpise Siddhi Santosh	
5)	Abhang Suyali Sachin	
6)	Therut Shradha Bhagji	
7)	Karote Pallavi Subhash	
8)	Chikhale Shweta Tukaram	
9)	Lohakare Pooja Kantaram	
10)	Lohakare Pritya Kantaram	
11)		

Mr.
Shete R.K.
Subject Teacher

Head
Department of Mathematics

Introduction to Online Learning Module: Symbolab

REPORT

Title : Symbolab

Organizers : Department of Mathematics

Date : 17/01/2024

Venue : Mathematics Computer Lab, Annasaheb Awate Arts, Commerce & Hutatma Babu Genu Science College, Manchar

INTRODUCTION:

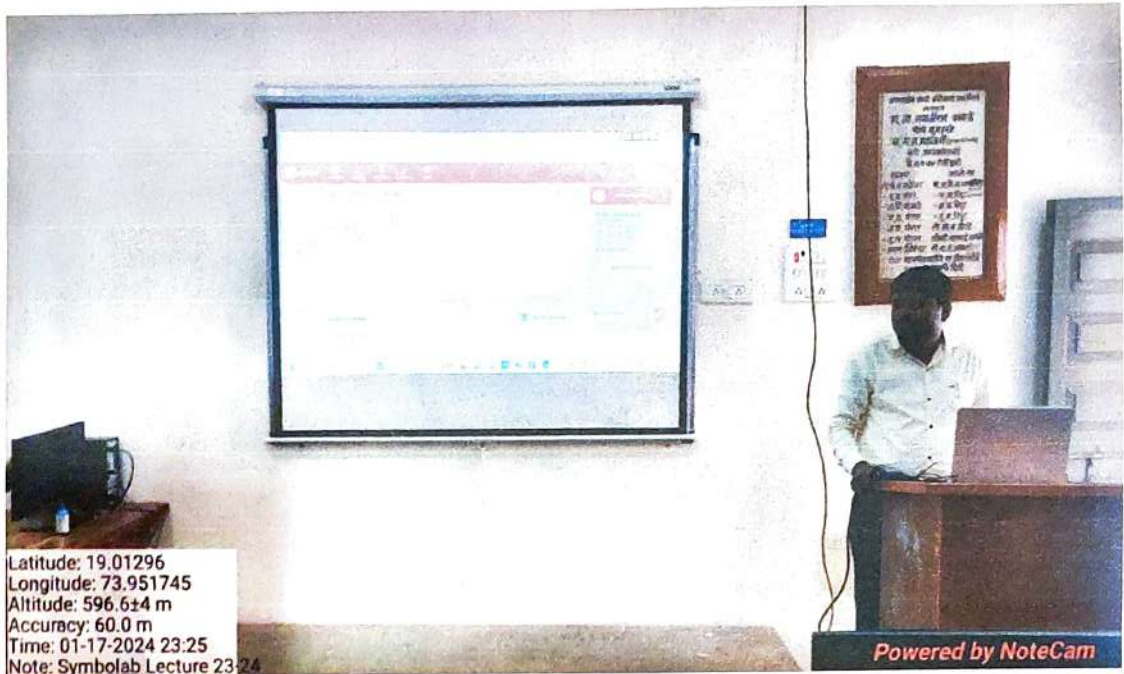
Symbolab is online learning module designed for to enhance mathematical problem solving skills. It is powerful tool for mathematics equation solving and step by step answer. It assists educator in understanding various subjects like calculus, linear algebra, geometry. It gives representation of graph of function.

KEY OBJECTIVES:

1. Practice mathematics topics.
2. Accuracy and improvement in problem solving.
3. Improve Subject knowledge.

PROGRAM OVERVIEW:








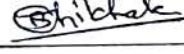
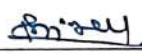

Department of Mathematics , Annasaheb Awate Arts, Commerce & Hutatma Babu Genu Science College, Manchar conducted Symbolab software introducing to students on 17/01/2024.




Rayat Shikshan Sanstha's
Annasaheb Awate Arts, Commerce & Hutatma Babu Genu Science College, Manchar

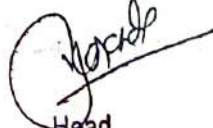
Department of Mathematics
Online learning Module – Symbolab

Date : 17/01/2024

Sr.No.	Name	Sign
1)	Dharade Vaishali Santosh	
2)	Dhengale Karishma Lalchand	
3)	shinde Aishwarya Bharam	
4)	Abhang Sayali Sachin	
5)	Thosar Shradha Bhagaji	
6)	Ranpise Siddhi Santosh	
7)	Karote Pallavi Subhash	
8)	chikhale Shweta Tukaram	
9)	Lohalkare Pooja Kantaram	
10)	Lohalkare. Pooja Kantaram	


Subject Teacher

Nira Rolade M D


Head
Department of Mathematics

Rayat Shikshan Santha's
Annasaheb Awate Arts, Commerce & Hutatma Babu Genu Science College
Manchar, Tal. Ambegaon, Dist. Pune 410503
Department of Electronic Science
ICT Enabled Tools 2023-24

ICT-enabled tools for effective teaching and learning process

The Institute follows ICT-enabled teaching in addition to traditional classroom education. Subsequent efforts are taken by the institute to provide an 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 Computers in the lab.
3. Printers- They are installed at the 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, Google Meet, and Google Classroom.

Use of ICT By Faculty

- A. PowerPoint presentations-** Faculties are encouraged to use PowerPoint presentations in their teaching by using LCDs and projectors. They are also equipped with digital libraries, online search engines and websites to prepare effective presentations.
- B. Industry Connect-** Seminars and Conference rooms are digitally equipped where guest lectures, expert talks and various competitions are regularly organized for students.
- C. Video Conferencing-** Students are counselled with the help of Zoom / Google Meet applications.
- D. Video lecture-** Recording of video lectures is made available to students for long-term learning and future referencing.
- E. 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.
- F. Workshops-** Teachers use various ICT tools for conducting workshops on the latest methods such as Orcad, Proteus, Programming languages, simulations etc.

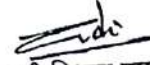
List of Software's

Sr. No	List of Software's	Sr. No	List of Software's
1	Dev CPP	6	Falsestad
2	Verilog-Xilinx	7	LTSpice
3	ATMEL_AVR	8	Arduino
4	Proteus	9	MPLAB
5	Orcad	10	Mutisim

मराठी वेब साईट्स

अ.न.	वेब साईटचे नाव	संस्था / प्रकार
1	https://sahitya.marathi.gov.in	महाराष्ट्र राज्य साहित्य आणि संस्कृती मंडळ
2	http://www.esahity.com	साहित्य प्रतिष्ठान
3	https://sanskritdocuments.org/scannedbooks/msblc_dev.html	महाराष्ट्र राज्य साहित्य आणि संस्कृती मंडळ
4	https://sahityachintan.com/	साहित्य चिंतन ई - ग्रंथालय
5	https://www.marathimati.com/p/marathi-literature.html	मराठी साहित्य
6	https://www.masapapune.org/books	महाराष्ट्र साहित्य परिषद
7	http://www.dli.ernet.in/	जुने मराठी ग्रंथ
8	www.esahity.com	मराठी पुस्तके
9	http://antaraal.com/	मराठी साहित्य
10	http://www.chaparak.com/	मराठी साहित्य
11	http://www.maanbindu.com/marathi	मराठी साहित्य
12	https://msblc.maharashtra.gov.in	मराठी साहित्य, संस्कृती जोपासना
13	http://misalpav.com/	मराठी साहित्य, विविध अभ्यासपूर्ण लेख
14	http://aisiakshare.com	मराठी साहित्य, विविध अभ्यासपूर्ण लेख
15	http://www.maayboli.com/	मराठी साहित्य, विविध अभ्यासपूर्ण लेख
16	http://www.manogat.com/	मराठी साहित्य, विविध अभ्यासपूर्ण लेख
17	http://www.pahawemanache.com	नाटक-चित्रपट परीक्षण, परिचय
18	http://mr.vikaspedia.in/InDG	मराठीसहित २१ भाषांमध्ये, विविध विषयांवरची माहिती
19	http://marathibhasha.org/	मराठी परिभाषा कोश
20	https://marathivishwakosh.maharashtra.gov.in/	मराठी विश्वकोश
21	https://mr.wikipedia.org	मराठी विकिपीडिया

22	http://www.bookganga.com/eBooks/	बुकगंगा - जवळपास जगातील प्रत्येक पुस्तकाची प्रस्तावना वाचू शकता आणि विविध पुस्तके विकतदेखील घेऊ शकता
23	http://www.thinkmaharashtra.com/	महाराष्ट्राला वाहिलेले संकेतस्थळ
24	http://www.transliterate.org/	विविध शब्द आणि जुने साहित्य
25	http://mympsc.com/Marathi	मराठी सामान्यज्ञान
26	http://ketkardnyankosh.com/	केतकर ज्ञानकोश
27	http://eBalbharati.in/	बालभारती पुस्तके
28	http://www.marathiworld.com/	मराठी वैविध्यपूर्ण माहिती
29	http://www.gadima.com/	गदिमा
30	http://msblc.maharashtra.gov.in	महाराष्ट्र राज्य साहित्य आणि संस्कृती मंडळाची प्रकाशने
31	http://coe.maharashtra.gov.in	भाषा संचालनालयाची प्रकाशने
32	www.mahathivishwakosh.in व www.vishwakosh.org.in	महाराष्ट्र राज्य मराठी विश्वकोश निर्मिती मंडळाची प्रकाशने
33	www.htedu.maharashtra.gov.in	शिक्षण विभागाची प्रकाशने


 मराठी विभाग प्रमुख
 अण्णासाहेब आवटे महाविद्यालय,
 पंचर., पुणे.

Dr. B.P.Gardi :

Sr.No.	Video Link	Subject	Class
1	https://www.youtube.com/watch?v=9rEUWH_skw4&t=178s	दराड दवाखाना	FYBA
2	https://www.youtube.com/watch?v=yTmsLU7Q-RE	बाजा	FYBA
3	https://www.youtube.com/watch?v=Svw3wZmTB38	वापसी	FYBA
4	https://www.youtube.com/watch?v=QCYN11-A1bM	शुभमंगल सावधान	FYBA
5	https://www.youtube.com/watch?v=554AG17MifY&t=330s	कष्टाची भाकरी	FYBA
6	https://www.youtube.com/watch?v=qqCDXrjbbAg&t=90s	साहित्याचे स्वरूप 1	SYBA
7	https://www.youtube.com/watch?v=mzyaDqxOpIY	साहित्याचे स्वरूप 2	SYBA
8	https://www.youtube.com/watch?v=fktEfzwN6iY	साहित्याचे शब्दरूप	SYBA
9	https://www.youtube.com/watch?v=1ZH-xslI_DY	आस्वादक समीक्षा	MA II
10	https://www.youtube.com/watch?v=ChVyFLFsL8k	उठावण	FYBA
11	https://www.youtube.com/watch?v=Ok4hK_FoRsA	पाऊस आला मोठा	FYBA
12	https://www.youtube.com/watch?v=8W8ZIPqOp8Q&t=6s	लाल चिखल	FYBA
13	https://www.youtube.com/watch?v=2uM4NdS9P0c	जेंव्हा मी जात घोरली होती	FYBA
14	https://www.youtube.com/watch?v=Ju3nSmxYS2E	कथा साहित्य प्रकार	FYBA
15	https://www.youtube.com/watch?v=n-QmMbrLjHk	भाषिक कौशल्य - श्रवण	FYBA
16	https://www.youtube.com/watch?v=Usi-vNgWzPE	भाषिक कौशल्य- लेखन	FYBA
17	https://www.youtube.com/watch?v=3d3OhSTKZQQ	भाषण संभाषण	FYBA
18	https://www.youtube.com/watch?v=g8oJnt5U8Zs	वाचन कौशल्य	FYBA
19	https://www.youtube.com/watch?v=zaNzjSMpoc	वाचनाचे महत्व	FYBA
20	https://www.youtube.com/watch?v=1dxcPyn7_9Q	श्रवण कौशल्य	FYBA
21	https://www.youtube.com/watch?v=sFSWdfj-BzU	एकांकिका	FYBA
22	https://www.youtube.com/watch?v=p89I-WCYVWQ	एकांकिका 2	FYBA
23	https://www.youtube.com/watch?v=nInDd-6VUo4	एकांकिकाचे घटक	FYBA
24	https://www.youtube.com/watch?v=NYeTE0leGek	संशोधनाची साधने	MA II
25	https://www.youtube.com/watch?v=7LzU2ILwWL8	संशोधकाचे गुण	MA II
26	https://www.youtube.com/watch?v=HROorj5LKEU	संशोधनाची प्रयोजने	MA II
27	https://www.youtube.com/watch?v=GVgU7h1GRI0	संशोधनाची उपयुक्तता	MA II
28	https://www.youtube.com/watch?v=nl0hORnZgDY	संशोधनाच्या व्याख्या	MA II
29	https://www.youtube.com/watch?v=clTqNmFGD0	संशोधनाचे स्वरूप	MA II
30	https://www.youtube.com/watch?v=wIAvBEDJCAg	साहित्य संशोधन - स्वरूप	MA II
31	https://www.youtube.com/watch?v=XJ5M4QX2S2M	शुभमंगल सावधान	FYBA

32	https://www.youtube.com/watch?v=x_crGG5JX2g	साहित्याची सामाजिकता	SYBA
33	https://www.youtube.com/watch?v=NIlaBqz8Nyf4	साहित्यातील अनुभवांचे विशेष	SYBA
34	https://www.youtube.com/watch?v=OvflkpK-73c	साहित्याची प्रयोजने	SYBA
35	https://www.youtube.com/watch?v=ch_lloC_toc	साहित्याची प्रयोजने 2	SYBA
36	https://www.youtube.com/watch?v=soSEZDcYYrQ	साहित्याची प्रयोजने 3	SYBA
37	https://www.youtube.com/watch?v=P4jr_f4u-JE&list=PLnvaVenEZ6Q7OpKP93WNGKIE96fHj1zcp&index=11	साहित्याची निर्मितीप्रक्रिया	SYBA
38	https://www.youtube.com/watch?v=XHYxu86DPxk&list=PLnvaVenEZ6Q7OpKP93WNGKIE96fHj1zcp&index=12	साहित्यनिर्मितीच्या शक्ती	SYBA
39	https://www.youtube.com/watch?v=mefiV_nz_B4&list=PLnvaVenEZ6Q7OpKP93WNGKIE96fHj1zcp&index=13	साहित्याचे व्यक्तिमत्त्व	SYBA
40	https://www.youtube.com/watch?v=5VTo2W7GiuU&list=PLnvaVenEZ6Q7OpKP93WNGKIE96fHj1zcp&index=14	साहित्याची निर्मितीप्रक्रिया 2	SYBA
41	https://www.youtube.com/watch?v=x_crGG5JX2g&list=PLnvaVenEZ6Q7OpKP93WNGKIE96fHj1zcp&index=15	साहित्याची सामाजिकता	SYBA

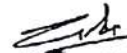
R.P.Muthe :

Sr.No.	Video Link	Subject	Class
1	https://www.youtube.com/watch?v=VCX-UGmQpMc	केली पण शेती	F.Y.B.Com.
2	https://youtu.be/x_ZO6ZRkiKw	केली पण शेती भाग 2	F.Y.B.Com.
3	https://www.youtube.com/watch?v=QUDoa7msoks	केली पण शेती भाग 1	F.Y.B.Com.
4	https://www.youtube.com/watch?v=ldtpMp_fDGg	सहकारी चळवळ आणि शेती सुधारणा भाग 4	F.Y.B.Com.
5	https://www.youtube.com/watch?v=0WLSyFCeqKQ	सहकारी चळवळ आणि शेती सुधारणा भाग 3	F.Y.B.Com.
6	https://www.youtube.com/watch?v=2YLLgFU9Xys	सहकारी चळवळ आणि शेती सुधारणा भाग 2	F.Y.B.Com.
7	https://www.youtube.com/watch?v=uHR9B7ePZpl	सहकारी चळवळ आणि शेती सुधारणा भाग 1	F.Y.B.Com.
8	https://www.youtube.com/watch?v=8a0xlCzmGxl	निबंध लेखन	F.Y.B.Com.
9	https://www.youtube.com/watch?v=b8IKMulNnpl	मम्मटाची प्रयोजने भाग 3	T.Y.B.A.
10	https://www.youtube.com/watch?v=oul6JTYtK2A	साहित्याचे प्रयोजने भाग 1	T.Y.B.A.
11	https://www.youtube.com/watch?v=1ZbzASy2dF4	साहित्याचे स्वरूप भाग 1	T.Y.B.A.
12	https://www.youtube.com/watch?v=3qDkxdggHow	साहित्याचे स्वरूप भाग 3	T.Y.B.A.

13	https://www.youtube.com/watch?v=XlJHF-flJgE	साहित्याचा आस्वाद भाग 2	T.Y.B.A.
14	https://www.youtube.com/watch?v=RdvfY7xQ8Ns	साहित्य विचार भाग 1	T.Y.B.A.

Dept. Activity :

Sr.No.	Video Link	Activity Name
1	https://www.youtube.com/watch?v=iBbs7bpto4A	मराठी भाषा गौरव दिन
2	https://www.youtube.com/watch?v=IIARISbPbeo	मराठी भाषा संवर्धन पंधरवडा
3	https://www.youtube.com/watch?v=Nem5vntqaG4	सावित्रीबाई फुले जयंती
4	https://www.youtube.com/watch?v=uyHUc3Jl144	वक्तृत्व स्पर्धा उद्घाटन


 मराठी विभाग प्रमुख
 अण्णासाहेब आवटे महाविद्यालय,
 मंचर, पुणे.

Rayat Shikshan Sanstha's

**Annasaheb Awate, Art's, Commerce and Hutatma
Babu Genu Science College, Manchar.**

Department of History

2023-24

❖ Historical Movies

- Mohenjodaro-
- Ashoka-
- Jodhaa Akbar-
- Chhatrapati Shivaji-
- Rashtraveer Shivaji-
- Gandhi- My Father-
- The Legend of Bhagat Singh-
- The Rising: Ballad of Mangal Pandey-

❖ History Important Website Links For Students

1. Rayat knowledge Bank
2. Ntist databace
3. Delnet Databace
4. Library Website-
www.Library.rbnbcollge.com
5. Shodhganga- Indian Thesis (Phd)
6. E-pg Pathashala
7. Brief History of India- www.historyindia.org
8. Wikipedia- History of India
9. Manas- University of California at los Angeles
10. Internel India History sourcebook- for dham University
11. www.VLIndiaHistory
12. <http://www.civilserviceindia.com>
13. www.historytuition.com



14. <http://www.quora.com>
15. <http://guides.lib.udel.edu>
16. <https://archaeology-travel.com>
17. www.bestwebsiteinindia.com
18. <https://www.ancient.eu>
19. www.art-and-archaeology.com
20. <http://www.historyindia.com>



For Parode
Head,
Department of History
Annasaheb Awate College, Manchar (Pune)

रयत शिक्षण संस्थेचे,
अण्णासाहेब आवटे, आर्ट्स, कॉमस आणि हुतात्मा बाबू गेणू सायन्स कॉलेज, मंचर
इतिहास विभाग

२०२३.२४

व्हिडीओ लेक्चर यादी

अ.क्र.	व्हिडीओ लेक्चर विषय	लिंक
१	साधने आणि : भारत प्रारंभिक प्रागैतिहासिक काळ	https://youtu.be/nkuzKg7iB-4
२	मानवतावाद : आधुनिक जगाचा बौद्धिक इतिहास आणि नवनिर्मितीचा काळ भाग १	https://youtu.be/qssISs-ESQM
३	मानवता - आधुनिक जगाचा बौद्धिक इतिहास २-आणि नवनिर्मितीचा काळ भाग	https://youtu.be/OUAqH2pIWWQ
४	दिल्ली सुलतानशाहिची : मध्ययुगीन भारत स्थापना	https://youtu.be/YNPKvgburtk
५	वाङ्मयीन साधने - दिल्ली सुलतानशाहिची स्थापना	https://youtu.be/NDH-P8GTzkM
६	१-प्रोटेस्टंट धर्मसुधारणा चळवळ भाग	https://youtu.be/tDBa4kQ6f58
७	प्रोटेस्टंट धर्मसुधारणा चळवळ भाग २	https://youtu.be/-JJA8CSOiOA
८	मानवतावाद आणि नवनिर्मितीचा काळकला - आणि स्थापत्य	https://youtu.be/YSVNScm3G6M
९	मराठा राजतंत्राची स्थापना - मराठा राजतंत्र	https://youtu.be/JRSsfUjtWMA
१०	राज्यक्रांती प्रबोधन आणि फ्रेंच	https://youtu.be/CssHOD1mAps
११	महामंदी	https://youtu.be/Fh5IIP42kPA
१२	मोघल साम्राज्याची स्थापना	https://youtu.be/bdeoEq5hBUk
१३	कारणे - दुसरे महायुद्ध	https://youtu.be/oDE6l7TSfy4
१४	शुंग व सातवाहन काळ - मध्य आशियाशी संबंध	https://youtu.be/Dludat1FKf8
१५	-शुंग व सातवाहन काळ - मध्य आशियाशी संबंध परकीय आक्रमणाचा भारतीय संस्कृतीवरील परिणाम	https://youtu.be/-xqhUeH9big



१६	मध्ययुगीन आणि -भारतीय शेतकरी चळवळ आधुनिक	https://youtu.be/cEFZzYEZm4A
१७	एक दृष्टीक्षेप -आधुनिक जग	https://youtu.be/mkbyDbTtH_o
१८	औद्योगिक क्रांतीचे परिणाम -क्रांतीचे युग	https://youtu.be/LS3KwhvClSg
१९	प्राचीन भारताची संकलाना	https://youtu.be/-j9vsdtxKT4
२०	(१८१८ ते १७०७) मराठ्यांचा इतिहास	https://youtu.be/bT0RpNwDN0A
२१	१-हुकुमशाहीचा उदय भाग	https://youtu.be/SR7O7aSL594
२२	२- हुकुमशाहीचा उदय भाग	https://youtu.be/GV6Qd4kBwJA
२३	कान्त्युगीन सभ्यता -हडप्पा संस्कृती	https://youtu.be/5uBQPWmqNGU
२४	इतिहासाची साधने	https://youtu.be/RpReOfQ-axw
२५	साधने आणि प्रागैतिहासिक :प्रारंभिक भारत - काळ पुरातत्वीय साधने	https://youtu.be/7vbQYejetbU
२६	शेतकऱ्यांचे स्तरीकरण	https://youtu.be/FnugLyTEYmo
२७	रशियन राज्यक्रांतीचे परिणाम	https://youtu.be/BDGWK2t_tYI
२८	अभिलेखागार आणि मौखिक इतिहास	https://youtu.be/iUu6MBFsPkc
२९	शिवाजी .छ महाराजांचा राज्याभिषेक	https://youtu.be/JwrSvOltfQM



For - Parode 1

Head,

Department of History

Annasaheb Awate College, Manchar (Pune)

रयत शिक्षण संस्थेचे,
अण्णासाहेब आवटे, आर्दस, कॉमस आणि हुतात्मा बाबू गेणू सायन्स
कॉलेज, मंचर

इतिहास विभाग

२०२३.२४

व्हिडीओ लेक्चर यादी

प्रा. पारधी सर

अ.क्र.	लिंक	व्हिडीओ लेक्चर विषय
१	https://youtu.be/9eWbzsYPmJI	मराठ्यांच्या उदयाची कारणे भाग २
२	https://youtu.be/9eWbzsYPmJI	मराठ्यांच्या उदयाची कारणे भाग ४
३	https://youtu.be/eK6-_w3GrC0	मराठ्यांच्या उदयाची कारणे भाग ४
४	https://youtu.be/eK6-_w3GrC0	मराठी सत्तेचा उदय
५	https://youtu.be/cpy_wGrsFRA	मराठ्यांचा इतिहास
६	https://youtu.be/ZQCATbsgJtE	छत्रपती संभाजी राजे
७	https://youtu.be/ZQCATbsgJtE	छत्रपती संभाजी राजे आणि स्वातंत्र्य युद्ध
८	https://youtu.be/ZQCATbsgJtE	छत्रपती संभाजी राजे आणि स्वातंत्र्य युद्ध
९	https://youtu.be/1hQts_wWnxw	छत्रपती संभाजी राजे
१०	https://youtu.be/D9eudmCq6IA	छत्रपती संभाजी राजे
११	https://youtu.be/MEyxu60BCj0	छत्रपती शिवाजी महाराजांचे प्रशासन
१२	https://youtu.be/P1hAv-lbgP8	छत्रपती शिवाजी महाराजांचे प्रशासन
१३	https://youtu.be/lygjVLg4avY	स्वराज्याची स्थापना
१४	https://youtu.be/wcnknEiS67U	स्वराज्याची स्थापना
१५	https://youtu.be/zWV1A8NuS1U	स्वराज्याची स्थापना



for Parade
Head,
Department of History
Annasaheb Awate College, Manchar (Pune)

ICT Lecture No.: Notice

All the students Of ...S.Y.B.V.C.L.....

Here by informed that ICT enabled lecture will be conducted on at
24/03/2025 in Department of B.V.C

Topic/Subject(s) for Role Play:

Accounting for Amalgamation

Schedule for ICT Lecture No.

Roll NO	Name of Student	Activity Allotted	Remarks
1201	Ajab Rushikesh	<u>Rajab</u>	
1204	Gade Sanket	<u>Gade</u>	
1202	Bambale Jayshree		
1206	Lokhande Ganes	<u>Ganesh</u>	
1205	Gaikwad Ravina	<u>R.B. Gaikwad</u>	
1202	Bhalerao Snehl	<u>Bhalerao</u>	



Madhe B.A.
Name and Signature of the Teacher





HOD

Signature of HOD
Department of B.Voc
(Accounting & Taxation)
Annasaheb Awate Arts, Commerce &
Hajratma Babu Genu Science College.

ICT Lecture No.: Attendance Sheet

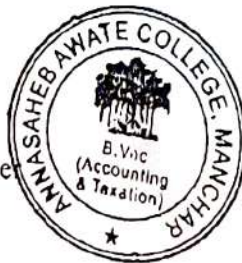
Class: S.Y. B.V.C

Name of Subject Paper: Financial Reporting

Date and Time: 24/03/2024, 8.45 am to 9.30 am

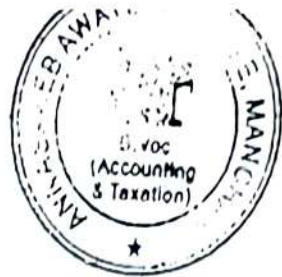
Roll No.	Name of Student	Signature	Roll No.	Name of Student	Signature
1)	Kade Santel	Kade			
2)	Ajab Rushikesh	Ajab			
3)	Bambale Jayshree				
4)	Lokhande Ganesh	Ganesh			
5)	Gaikwad Ravina	R.B. Gaikwad			
6)	Bhalerao Sanjay	Bhalerao			

MS
Name and Signature of the Teacher




Signature of HOD
HOD
Department of B.Voc
(Accounting & Taxation)
Annasaheb Awale Arts, Commerce &
Hulalma Babu Genu Science College,
Manchar, Tal. Ambegaon, Dist. Pune

A Brief Report Teacher's Concluding Remarks



For awareness of Financial statements of a company I have arranged a ICT lecture for S.Y. B.Voc class date 24/03/2024. In this lecture through ~~the~~ You-tube students gave meaningful knowledge about the amalgamation of companies & Methods of amalgamation of a company.


Signature of the Teacher


HOD
Department of B.Voc
(Accounting & Taxation)
Annasaheb Awate Arts, Commerce &
Hutatma Babu Genu Science College,
Manchar, Tal. Ambegaon, Dist. Pune

Signature of the Principal

ONLINE TEST/ONLINE QUIZ Notice



All the students of ... B.Voc. Accounting & Taxation.

Here by informed that **ONLINE TEST/ONLINE QUIZ**
Will be conducted on at

11/04/2023 in Dept of B.Voc.

Topic/Subject(s) for Role Play:

Indian financial system

Schedule for ONLINE TEST/ONLINE QUIZ

Roll NO	Name of Student	Activity Allotted	Remarks
1301	Bhagawat shweta		
1302	Bhor Aishwarya		
1303	Borhade Kajal		
1304	Dongare Poojal		
1305	Gawade Shubhanga		
1306	Kaduskar Mayur		
1307	Kashikar Abhishek		
1308	Pabale Swapnali		
1309	Pokharkar Niketa		
1310	Sawant Pankaj		
1311	Shete Aarti		
1312	Tambade Pratik		

Name and Signature of the Teacher

Signature of Head of Department



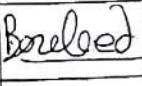
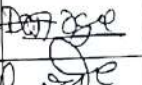
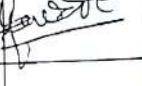
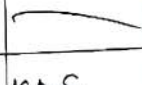
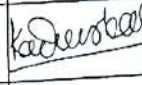
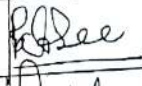
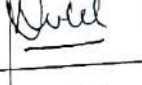

ONLINE TEST/ONLINE QUIZ

Attendance Sheet

Class: T.Y.B.Voc

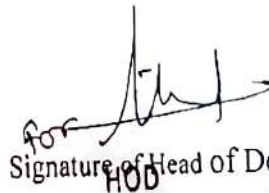
Name of Subject Paper: Indian Financial system

Date and Time: 11/04/2023

Roll No.	Name of Student	Signature	Roll No.	Name of Student	Signature
	Bhagawat Shweta Bhagwat			Tambade Chaitik	
	Bhor Arshwarya	Bhor A			
	Borhade Kajal				
	Dongare Pooja				
	Gawade Shubhang				
	Kaduskar Abhishek				
	Kashikar Abhishek	KAS			
	Kaduskar Mayur				
	Pabale Swapnali				
	Pokharkar Nikita				
	Shete Arti				



Name and Signature of the Teacher




Signature of Head of Department
HOD
Department of B Voc(Acco & Tax)
Annasaheb Awale College
Manchar Tal.Ambegaon Dist.Pune

A Brief Report Teacher's Concluding Remarks

Quiz Competition was taken on
11/10/2023 for the student of T.Y.B.Voc
(Accounting & Taxation) on Role of
Indian financial system. in B.Voc
(Accounting & Taxation) Department. A
total 12 student were present for this
Competition. The student Approach to
the competition was positive.



Signature of the Teacher



Signature of the HoD
HOD

Department of B Voc (Acco & Tax)
Annasaheb Awate College
Manchar Tal. Ambegaon Dist. Pune

Signature of the Principal

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



Department of b.voc. (Accounting and Taxation)

Quiz Competition (Mark-list)

Sub -Indian Financial System

Date: 11/4/2023

Marks	Student Name
8 / 12	Gawade shubhangi santosh
7 / 12	Pokharkar Nikita Uttam
9 / 12	Aishwarya sabhaji bhor
8 / 12	Mayur kaduskar
6 / 12	Kashikar Abhishek Shankar
9 / 12	Tambade pratik dattatray
8 / 12	Bhagwat shweta anil
7 / 12	Arati Suresh shete
7 / 12	Pankaj pandharinath sawant
8 / 12	Pranjal khandu dongare
9 / 12	Swapnali Vishnu pable
9 / 12	Kajal borhade

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

Department of b.voc. (Accounting and Taxation)

Quiz Competition –Question paper

Sub -Indian Financial System

Date: 11/4/2023

1) _____ allocates saving efficiently in an economy to ultimate users either for Investment in real assets or for consumption.

- a) Economic system
- b) Banking system
- c) Financial system
- d) Market system

2) Which of the following is not a regulatory institution in Indian financial system?

- a) RBI
- b) CIBIL
- c) SEBI
- d) IRDA

3) _____ is regarded as a queen of Indian financial system.

- a) SEBI
- b) RBI
- c) Finance Ministry
- d) BSE

4) National Housing bank is a fully owned subsidiary of _____.

a) IDFC

b) HSBC

c) RBI

d) HUDCO

5) Financial institutions are also known as _____.

a) Financial organization

b) Financial intermediaries

c) Financial system

d) Any of the above

6) _____ is the first development financial institution in India.

a) IDBI

b) ICICI

c) IFCI

d) RBI

7) IDBI was established in _____.

a) 1948

b) 1954

c) 1992

d) 1964

8) _____ is an apex institution to coordinate, supplement and integrate the Activities of all existing specialized financial institutions.

a) IFCI

b) IDBI

c) RBI

d) SFR

9) Which of the following is not an asset held by Commercial Bank?

a) Bills of Exchange

b) Current Account Deposits

c) Money Lent at short Notice

d) Credit Balances with the Reserve Bank

10) Which of the following combinations is correct?

a) NABARD-----Industrial Loan

☒ b) RBI-----Long term Finance

c) RRB-----Agriculture Finance

d) IDBI-----Short Term Loans

11) Which of the following is not an organized sector in India?

a) Nationalized Banks

b) Regional Rural Banks

☒ c) Cooperative Banks

d) Chits and Money lenders

12) In which year was the Banking Regulation Act passed?

a) 1949

b) 1955

c) 1959

d) 1969



< Reports

Lac Operon_Molecular Biology

Sunday, April 28, 2024 at 10:19 PM

Show Names	Show Responses	Show Results									
NAME	SCORE %	1	2	3	4	5	6	7	8	9	10
Aditi thorat	✓ 78%	✓ C	x A	✓ A	✓ C	✓ C	✓ B	- A	x C	✓ C	✓ A
Divya Kengale	✓ 67%	✓ C	✓ C	✓ A	✓ C	x A	x C	- A	x C	✓ C	✓ A
Gawade omkar	✓ 56%	✓ C	✓ C	✓ A	x A	x A	x A	- A	✓ B	x A	✓ A
Ghodekar Namrata	✓ 89%	✓ C	✓ C	✓ A	✓ C	✓ C	✓ B	- A, B	✓ B	✓ C	x C
kajal gawade	✓ 89%	✓ C	✓ C	✓ A	x A	✓ C	✓ B	- A	✓ B	✓ C	✓ A
Ketan Somavanshi	✓ 56%	✓ C	x A	x D	x A	x A	✓ B	- A	✓ B	✓ C	✓ A
Mispa Inamdar	✓ 89%	✓ C	✓ C	✓ A	✓ C	✓ C	✓ B	- A	✓ B	✓ C	x C
Pradnya Waykar	✓ 56%	✓ C	✓ C	✓ A	x A	✓ C	x A	- B	x C	✓ C	x C
Prathamesh Gabhale	✓ 78%	✓ C	✓ C	x B	✓ C	✓ C	✓ B	- A	✓ B	✓ C	x C
Rutuja Lande	✓ 78%	✓ C	✓ C	✓ A	✓ C	✓ C	x A	- A	✓ B	✓ C	x C
Sakshi Kondhawale	✓ 89%	✓ C	✓ C	✓ A	✓ C	✓ C	x C	- A	✓ B	✓ C	✓ A
sonali kirve	✓ 56%	✓ C	x B	✓ A	x B	✓ C	x A	- B	✓ B	x A	✓ A
Teja Jangale	✓ 100%	✓ C	✓ C	✓ A	✓ C	✓ C	✓ B	- B	✓ B	✓ C	✓ A
Walunj Sakshi	✓ 78%	✓ C	✓ C	✓ A	x A	✓ C	✓ B	- A	x C	✓ C	✓ A
14 Class Total		100%	79%	86%	57%	79%	57%		71%	86%	64%



Lac Operon_Molecular Biology 10 Questions

1. How many structural genes are present in a lac operon?

- 0/14 A 1
0/14 B 2
14/14 C 3
0/14 D 4

2. What does the structural gene lac Y of a lac operon code for?

- 2/14 A Beta-galactosidase
0/14 B Transacetylase
11/14 C Permease
0/14 D Glucagon

3. Which of the following is responsible for the switching on and off of the lac operon?

- 12/14 A lactose
0/14 B ethanol
0/14 C malate
0/14 D glucose

4. The wild-type *E. coli* cells are growing in a normal medium with glucose. They are transferred to a medium containing only lactose as sugar. Which of the following changes takes place?

- 0/14 A The Lac operon is repressed
0/14 B All operons are induced
8/14 C The Lac operon is induced
0/14 D *E. coli* cells stop dividing

5. To which sequence or molecule does a repressor bind?

- 3/14 A promoter
0/14 B RNA Pol
11/14 C operator
0/14 D enhancer

6. Which of the following events occurs at a Lac operon when lactose levels are high and glucose levels are low?

- 4/14 A cAMP levels decrease, triggering binding of CAP to RNA polymerase
- 8/14 ☒ B cAMP activates CAP, which binds to the Lac promoter
- 2/14 C cAMP activates CAP, which binds to the Lac repressor protein
- 0/14 D CAP binds to the ribosome to prevent translation

7. If the given medium contains lactose and glucose both, what will happen to lac operon?

- 11/14 A operon will be switched on
- 4/14 B operon will be switched off

8. Select the correct statement from below to justify the working of lac operon.

- 0/14 A glucose and galactose may bind to repressor & inactivate it
- 10/14 ☒ B in the absence of lactose, repressor binds to operator
- 4/14 C if repressor binds to operator, the lac operon is switched ON
- 0/14 D in presence of glucose, CAP-cAMP complex forms due to activeness of adenylate cyclase

9. In lac operon, lactose molecule function as-

- 2/14 A inducer; binds to operator
- 0/14 B repressor; binds to operator
- 12/14 ☒ C inducer; binds to repressor
- 0/14 D repressor; binds to RNA Pol

10. Regulation of lac operon by repressor is referred to as:

- 9/14 ☒ A inducible regulation
- 0/14 B repressible regulation
- 5/14 C negative regulation
- 0/14 D positive regulation

Estd.1966

"Education through self help is our Motto." KARMAVEER

Rayat Shikshan Sanstha's

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

Manchar, Tal. Ambegaon, Dist. Pune
(Maharashtra) - 410 503.

ACCREDITED 'A' BY NAAC

ID. No. - PU/PN/ASC/017/1966

A.I.S.H.E. - C - 41221

PUN Code : CAAP010110



* PRINCIPAL *
Dr. Gaikwad N.S.
MSc., Ph.D.



* FOUNDER *
Padmabhushan
Dr. Karmaveer Bhaurao Patil,
D. Litt.

Ref. No. 344 (A)/2024-25-

Date : 01/08/2024


Pass Percentage of the Final Year Students: 2023-24

Program Name	Number of students appeared in the final year examination	Number of students passed in final year examination
TYBA	71	49
TYBCOM	202	159
TYBSC	59	46
TYBCA	49	23
TYBSC- BIOTECHNOLOGY	7	7
TYB.Voc FPQM	5	5
TYB.Voc A/C & Tax	6	6
MA MAR II	6	5
MA ENG II	5	6
MA ECO II	8	8
MCOM II	46	33
MSC Org Chem II	19	14
MSC Any Chem II	7	2
MSC Physics II	3	1
MSC Botany II	4	4
Total	497	368

Pass Percentage = 74.04 %


College Examination Officer
Annasaheb Awate College, Manchar (Pune)




Principal
Annasaheb Awate Arts, Commerce &
Hutatma Babu Genu Science College, Manchar



**Annasaheb Awate Arts, Commerce & Hutatma Babu Genu Science
College, Manchar**

(Reaccredited with 'A' Grade by NAAC)
Affiliated to Savitribai Phule Pune University, Pune

COLLEGE EXAMINATION COMMITTEE

Date: 27/04/2024

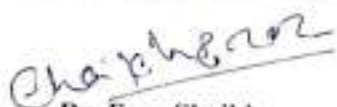
Internal Examination Audit 2023-24

All head of departments are hereby informed that the audit of internal assessments for the academic year 2023-24 will be conducted on 29th & 30th April 2024. The scope of the audit includes the internal assessments carried out by the departments for their UG & PG students. As a part of the audit the record will be validated against the relevant documents maintained by the department and discrepancy will be recorded and reported to the Principal. Heads are instructed to maintain the separate file, as per the attached Performa, for audit along with supporting documents (sample copy) to be submitted to the committee. The soft copy of the same file need to be submitted with compliance to the recommendation by the committee within 15 days on examaac@aacmanchar.edu.in.

Schedule of the visit is as below –

Sr. No.	Department	Day & Time
1	Chemistry	29/04/2024 11.00 – 11.20
2	Physics	29/04/2024 11.20 – 11.40
3	Botany	29/04/2024 12.00 – 12.00
4	BBA(CA)	29/04/2024 12.00 – 12.20
5	Geography	29/04/2024 12.20 – 12.40
6	Marathi	29/04/2024 1.00 – 1.20
7	Economics	29/04/2024 1.20 – 1.40
8	Political Science	29/04/2024 1.40 – 2.00

Sr. No.	Department	Day & Time
9	Zoology	30/04/2024 11.00 – 11.20
10	Electronics	30/04/2024 11.20 – 11.40
11	Mathematics	30/04/2024 12.00 – 12.00
12	Psychology	30/04/2024 12.00 – 12.20
13	Commerce	30/04/2024 12.20 – 12.40
14	History	30/04/2024 1.00 – 1.20
15	Biotechnology	30/04/2024 1.20 – 1.40
16	BVOC Account & Taxation	30/04/2024 1.40 – 2.00
17	BVOC Food Processing & Quality Management	30/04/2024 2.00 – 2.20


Dr. Ezaz Shaikh
College Examination Officer
Annasaheb Awate College, Manchar (Pune)


Principal
Annasaheb Awate Arts, Commerce & Hutatma Babu Genu Science College, Manchar, Tal. Ambegaon, Dist. Pune





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**COLLEGE EXAMINATION COMMITTEE
Internal Examination Audit 2023-24**

Sr. No.	Description	Documentary Evidence (Available / Not Available)	Remark
1	Annual plan for CIE is prepared at the beginning of the academic year (Annual plan for CIE – Graded & Non-graded)		
2	Annual plan for CIE is shared with students (Publication of Annual plan for CIE on dept. notice board, dept. web blog, website, etc.)		
3	Use of diversified evaluation methods (minor subject – 04 minimum, major subject – 10 minimum, subjects with PG – 15 minimum)		
4	Grids & Rubrics are prepared (Rubrics & Grids signed by the subject teacher & HoD)		
5	Grids & Rubrics are shared with students (Publication of Rubrics & Grids on dept. notice board, dept. web blog, website, etc.)		
6	Assessments are done to ensure attainment of LOs (COs, PSOs POs), (Copies of Question Papers & Model Answers)		
7	Internal Evaluation is done in time (Time table and result declaration with date)		
8	Feedback is provided about the students' performance		
9	OPEN DAY is conducted (Notice, report, attendance, GeoTag Photo)		
10	Grievances received & action taken about internal evaluation (Report & grievance form)		
11	Mechanism developed to resolve the grievances about internal evaluation		
12	Publication of CIE results on college website and notice boards		
13	Course wise – Semester wise Result (Course wise Result)		
14	Display of Meritorious Student List (Only for last year UG/PG students)		
15	Facilities provided to Divyang students		
16	Use of E-governance in CIE (Report on use of Rayat ERP, Google classroom, online quiz, software, etc.)		
17	Best practices in CIE		
18	Innovations in CIE		



Internal Examination Audit by the Experts in Department Photos: 2023-24

