



Anekant Education Society's

JAYSINGPUR COLLEGE JAYSINGPUR

**INTERNAL QUALITY ASSURENCE CELL
(IQAC)**

AY: 2023-24

2.3

Teaching-Learning Process

2.3.2.

Teachers use ICT enabled tools

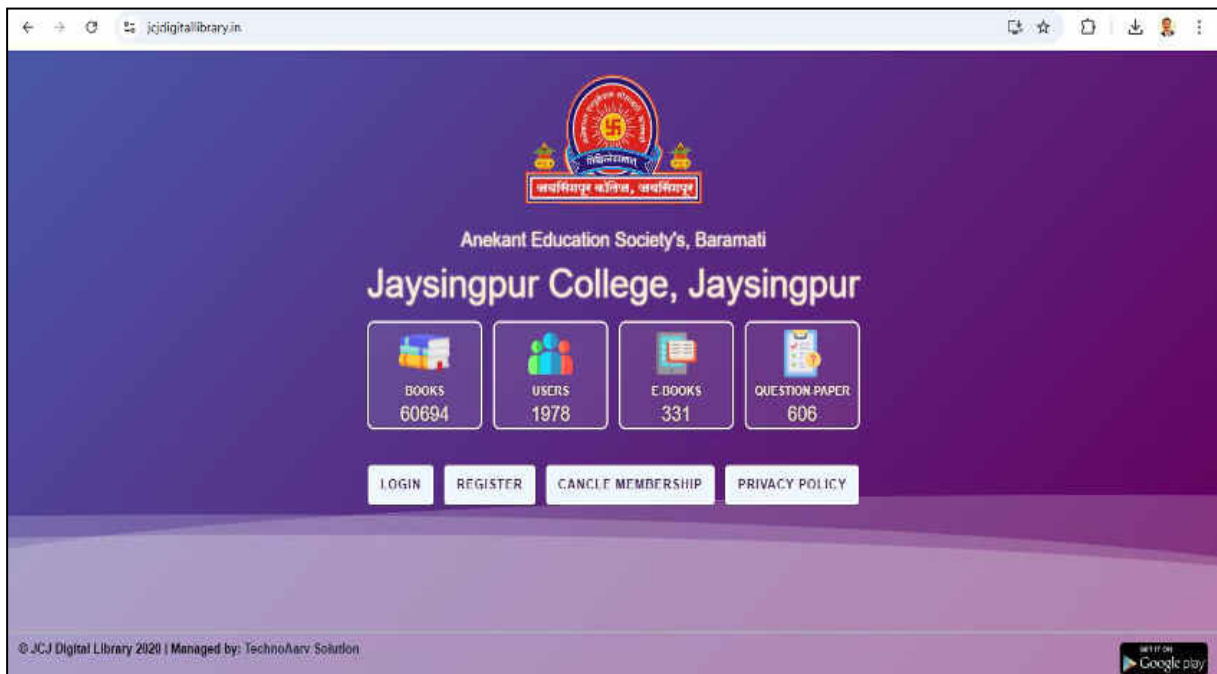
E-Library, Language Lab, Audio library

E-Library link:

<https://www.jaysingpurcollege.edu.in/students/more/>



<https://jcsdigitallibrary.in/>



E- Learning: YouTube Channels

JAYSINGPUR COLLEGE JAYSINGPUR

<https://www.youtube.com/@jaysingpurcollegejaysingpu197>

The screenshot shows the YouTube channel page for 'Jaysingpur College Jaysingpur'. The channel name is 'Jaysingpur College Jaysingpur' with the handle '@jaysingpurcollegejaysingpu197', 1.71K subscribers, and 87 videos. The channel banner features a field of orange and yellow flowers. Below the banner is the channel logo, a 'Subscribe' button, and navigation tabs for Home, Videos, Shorts, Live, and Playlists. The 'For You' section displays four video thumbnails, each with the college logo and a duration. The first video is 'ऑ. प्रभाकर अत्रेके स्मृती व्याख्यानमंच Jaysingpur College Jaysingpur is live!' (1:30:43, 979 views, streamed 11 months ago). The second is 'Acharyatna Shree Deshbhushan Muniraj Smruti Vyakhan 12.01.2024' (2:57:10, 172 views, streamed 1 year ago). The third is 'भारतव्या सांस्कृतिक विकासात जेव ज्योति योगदान - कसे मा ही श्रेयत कोणते' (1:58:15, 299 views, streamed 8 months ago). The fourth is 'ऑ. प्रभाकर अत्रेके स्मृती व्याख्यान' (1K views, streamed 11 months ago).

Dr. Prabhakar T. Mane

Associate Professor, Department of Economics

<https://www.youtube.com/@dr.prabhakartanajimane5620>

The screenshot shows the YouTube channel page for Dr. Prabhakar Tanaji Mane. The channel name is "Dr. Prabhakar Tanaji Mane" with the handle "@dr.prabhakartanajimane5620". It has 159 subscribers and 39 videos. The page features a "For You" section with four video thumbnails and a "Videos" section with a row of video thumbnails. The left sidebar includes navigation options like Home, Sports, Subscriptions, and Explore.

Dr. Nanadakumar L. Kadam

Associate Professor, Department of Commerce

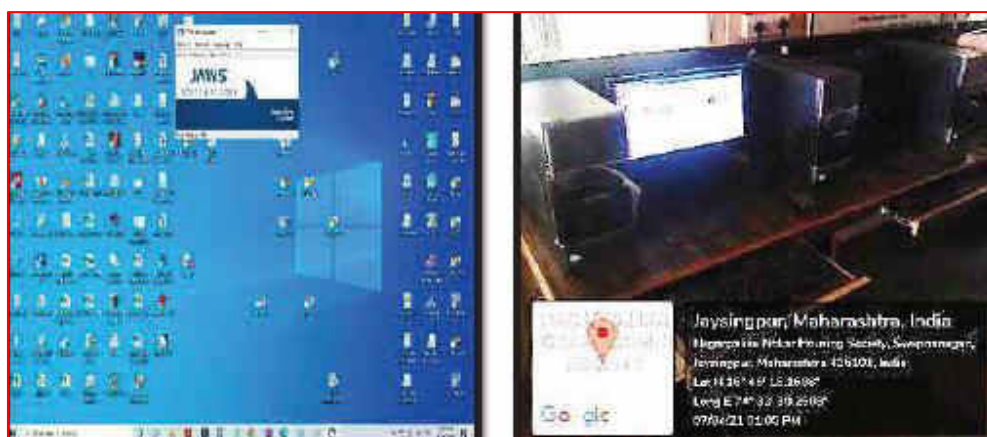
<https://www.youtube.com/@dr.nandkumarkadam2158>

The screenshot shows the YouTube channel page for Dr. Nandkumar Kadam. The channel name is "Dr. Nandkumar Kadam" with the handle "@dr.nandkumarkadam2158". It has 39 subscribers. The page features a banner image of a city skyline at night, a "Subscribe" button, and a "Videos" section with four video thumbnails. The left sidebar includes navigation options like Home, Shorts, Subscriptions, and Library.

LANGUAGE LAB



Audio library:



ICT infrastructure

Number of teachers using ICT (LMS, e-Resources)	ICT tools and resources available	Number of ICT enabled classrooms	Number of smart classrooms
101	LCD-Projector, Wi-fi, LAN, Laptop, Desktop, Printer, Scanner, Audio, Video, 200Mbps Internet Leased Line, Interactive Projector with Touch Screen Board, Google Meet, Zoom Meeting, Cibernatics, Digital	21	04

E- Learning resources and links

E-resources and techniques used	Link of the relevant documents
PPT, e-Books	https://www.jaysingpurcollege.edu.in/students/mor/e/

e-Journals, N-List Data Base	https://jcjdigitallibrary.in/ Base (52528 Books, 500 users,226 e-books, 377 Q-papers Available)
DELNET	http://delnet.in/
E- Pathashala	https://epathshala.nic.in/
Shodhganga	https://shodhganga.inflibnet.ac.in/
Anekant Question Bank	https://www.jaysingpurcollege.edu.in/students/more/
Teacher's Educational Blogs	https://rsdhabbe.wixsite.com/rsdhabbe https://www.youtube.com/channel/UC-ND4fbmaB2RTuBxdqSv-QA https://www.youtube.com/watch?v=mmUkV-SzLxs
NPTEL Online Courses	https://nptel.ac.in/
e-Sahity.com :Provides access to Marathi literature	http://www.esahity.com/2325236623422306234823522368.html
Shodhganga- Repository of e- Thesis	https://shodhganga.inflibnet.ac.in/
National Digital Library of INDIA	https://ndl.iitkgp.ac.in/
Swayam	https://swayam.gov.in/
B.A. III (Drama)	https://englishnotes.com/explain-character-sketch-of-rani-in-nagamandala-by-girish-karnad/
B.A. III (Poetry)	https://www.indo-anglianpoetry.in/2021/10/summary-and-critical-appreciation-of-the-poem-the-professor-by-nissim-ezekiel.html?m=1
B.A. III (Novel)	https://www.sparknotes.com/lit/animalfarm/characters/
B.A. III (Criticism)	https://m.youtube.com/watch?v=5uQfuWU5yEA
B.A. III (Linguistics)	https://youtu.be/uVsuZJa-TCs?si=9y3A4ZP7gmSwCJYR
B.A. III (Linguistics)	https://youtu.be/8Tt5rXdpiac?si=qZWSGhFpmoKyKcSN
B.A.II	https://englishhelpinghand.home.blog/category/basics-of-communication/
B.Com. I	https://www.indeed.com/career-advice/career-development/dos-and-donts-of-group-discussion



Estd. June 1964

Anekant Education Society's

JAYSINGPUR COLLEGE, JAYSINGPUR

■ Affiliated to Shivaji University, Kolhapur

■ Jain Minority College

■ Reaccredited at 'A' Grade (NAAC)

■ DST - FIST [Level - I] Sponsored

Address : Shirol-Wadi Road, Jaysingpur – 416 101, Dist. Kolhapur, State - Maharashtra, India

● Tel. (0) 02322 - 225381 / 481 ● Website - www.jaysingpurcollege.edu.in ● E-mail - jspcollegejsp@gmail.com

List of teachers uses ICT for effective teaching

Sr. No.	Name of Full Time Teacher	Designation	Joining Date
1	Dr. Surat Annaso Manjare	Principal & Associate Professor	LCD, ZOOM App, Google Meet
2	Dr. Mrs. Manisha Vinod Kale	Professor	LCD, Google Classroom
3	Dr. Nitish Pandurang Sawant	Professor	LCD, ZOOM App
4	Dr. Sunil Babu Bansode	Professor	LCD, ZOOM App
5	Dr. Nandkumar Laxman Kadam	Professor	You tube Chanel, LCD, ZOOM App
6	Dr. Balasaheb Mahadeo Sargar	Professor	LCD, ZOOM App, Google Meet, Google Classroom
7	Dr. Tushar Ganpatrao Ghatage	Professor	LCD, ZOOM App, Google Meet, Google Classroom
8	Dr. Mrs. Vijaymala Virendra Chougule	Professor	LCD, ZOOM App, Google Meet
9	Mr. Raju Dagadu Tasgaonkar	Associate Professor	LCD, ZOOM App, Google Meet, Google Classroom
10	Dr. Mrs. Smita Sunil Mahajan	Assistant Professor	LCD, ZOOM App, Google Meet, Google Classroom
11	Dr. Mrs. Suparna Gangadhar Sansuddi	Associate Professor	LCD, ZOOM App, Google Classroom
12	Dr. Ravindra Damodar Mane	Associate Professor	LCD, ZOOM App, Google Meet, Google Classroom
13	Dr. Mahadeo Sukhadeo Suryawanshi	Director of Phy. Edu.	LCD, ZOOM App, Google Meet, Google Classroom
14	Mr. Amar Krishnaji Kulkarni	Librarian	LCD, ZOOM App, Google Meet, Google Classroom
15	Dr. Sunanda Subhash Shelake	Associate Professor	LCD, ZOOM App, Google Meet, Google Classroom
16	Dr. Prabhakar Tanaji Mane	Associate Professor	You tube Chanel, LCD, ZOOM App, Google Meet
17	Dr. Sandip Ravsaheb Sabale	Associate Professor	LCD, ZOOM App, Google Meet
18	Mr. Ramesh Dilip Shinde	Assistant Professor	LCD, ZOOM App, Google Meet
19	Dr. Gurunath Hanmant Nikam	Assistant Professor	LCD, ZOOM App, Google Meet

20	Dr. Vandana Bhagwan Devkar	Assistant Professor	LCD, ZOOM App, Google Meet
21	Dr. Prashant Parshuram Chikode	Assistant Professor	LCD, ZOOM App, Google Meet, Google Classroom
22	Dr. Sandip Rangnath Tapkir	Assistant Professor	LCD, ZOOM App, Google Meet,
23	Dr. Khanderao Dnyandeo Khaladkar	Assistant Professor	LCD, ZOOM App, Google Meet
24	Dr. Mrs. Sujata Gomteshwar Patil	Assistant Professor	LCD, ZOOM App, Google Meet, Google Classroom
25	Dr. Sachinkumar Ramgouda Patil	Assistant Professor	LCD, ZOOM App, Google Meet, Google Classroom
26	Dr. Jayvant Balavant Patade	Assistant Professor	LCD, ZOOM App, Google Meet
27	Dr. Suraj Dhanyakumar Umdale	Assistant Professor	LCD, ZOOM App, Google Meet, Google Classroom
28	Dr. Mrs. Shridevi Rahul Nakate	Assistant Professor	LCD, ZOOM App, Google Meet, Google Classroom
29	Dr. Rohant Siddharam Dhabbe	Assistant Professor	LCD, ZOOM App, Google Meet, Google Classroom
30	Mr. Pritam Raygonda Patil	Assistant Professor	LCD, ZOOM App, Google Meet
31	Mr. Kabir Rajendra Kumbhar	Assistant Professor	LCD, ZOOM App, Google Meet


COORDINATOR
 Internal Quality Assurance Cell (IQAC)
 Jaysingpur College, Jaysingpur (MS)




PRINCIPAL
 Jaysingpur College, Jaysingpur



Anekant Education Society's
JAYSINGPUR COLLEGE JAYSINGPUR

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Academic Year-2023-24

1. Name of Teacher: Dr.S.S.Shelake

Class: B.A. I (Opt. English)

Activity: Showing Drama



Use of ICT/Links:

No.	Class	Links
1.	B.A. III (Drama)	https://englishnotes.com/explain-character-sketch-of-rani-in-nagamandala-by-girish-karnad/
2.	B.A. III (Poetry)	https://www.indo-anglianpoetry.in/2021/10/summary-and-critical-appreciation-of-the-poem-the-professor-by-nissim-ezekiel.html?m=1

2. Name of Teacher: Dr.S.G.Patil

Class: B.A. II (Opt. English, Paper III)

Activity: Showing Adapted Movie *Angoor*.



Use of ICT/Links:

No.	Class	Links
1.	B.A. III (Novel)	https://www.sparknotes.com/lit/animalfarm/characters/
2.	B.A. III (Criticism)	https://m.youtube.com/watch?v=5uQfuWU5yEA

3. Name of Teacher: Mr.A.D.Shinde

Class: B.A. III (Spl. English Paper: Language and Linguistics)

Activity: Teaching topic 'Speech Mechanism' using diagrams.



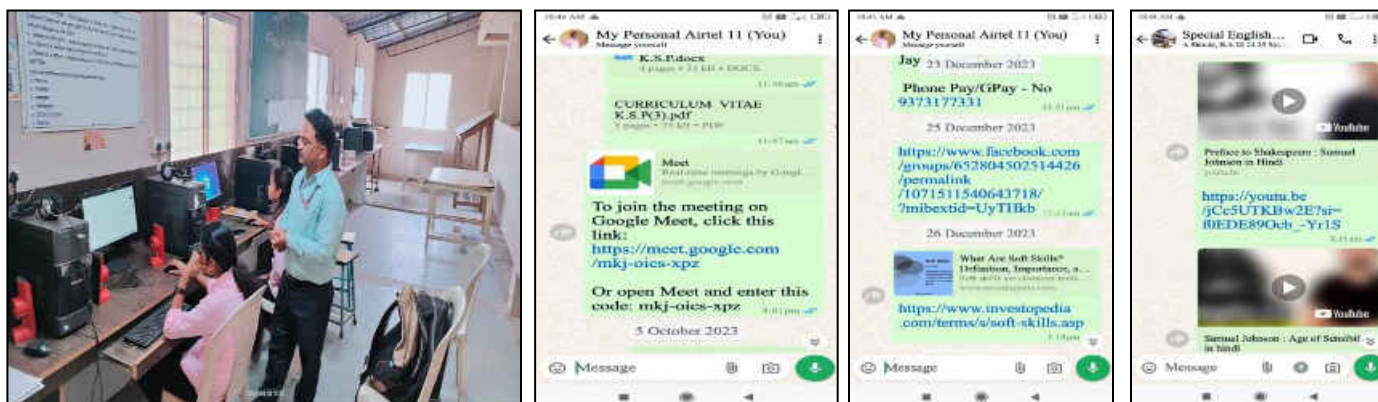
Use of ICT/Links:

No.	Class	Links
1.	B.A. III (Linguistics)	https://youtu.be/uVsuZJa-TCs?si=9y3A4ZP7gmSwCJYR
2.	B.A. III (Linguistics)	https://youtu.be/8Tt5rXdpiac?si=qZWSGhFpmoKyKcSN

4. Name of Teacher: Mr.K.S.Patil

Class: B.A. II

Activity: E-Communication, discussion on e-mail and Blog writing.



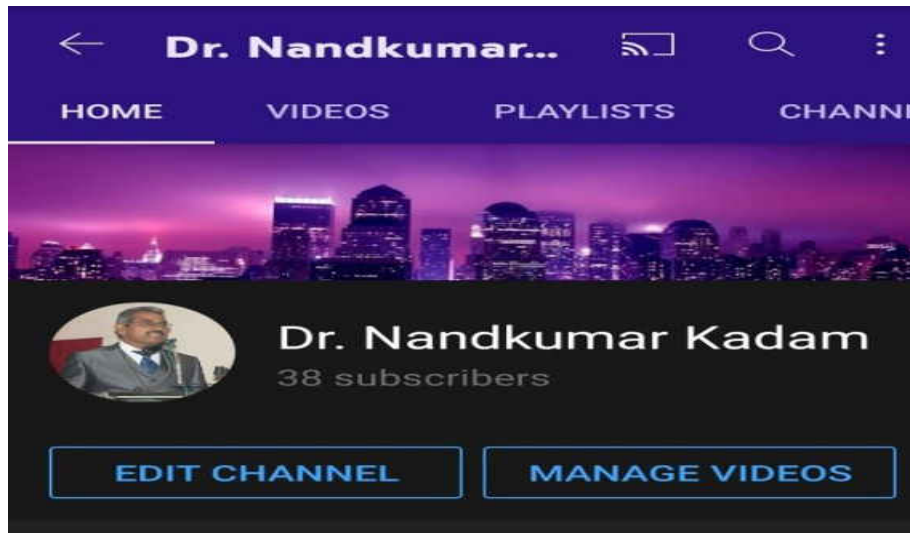
Use of ICT/Links:

No.	Class	Links
	B.A.II	https://englishhelpinghand.home.blog/category/basics-of-communication/
	B.Com. I	https://www.indeed.com/career-advice/career-development/dos-and-donts-of-group-discussion

DEPARTMENT OF COMMERCE

1. NAME OF THE FACULTY: PROF. DR. N. L. KADAM

You Tube Channel



YouTube video lectures Links

1. <https://youtu.be/2NXFGjnUxwE>
2. <https://youtu.be/3IIBskMLMAc>
3. <https://youtu.be/9GgbE-d1ow0>
4. https://youtu.be/9jz_IRhReRo
5. <https://youtu.be/B2uXlzckv50>
6. <https://youtu.be/e9yc9NBLJ7Y>
7. <https://youtu.be/g4LGcKUJE1U>
8. https://youtu.be/GeIF0sLKY_M
9. <https://youtu.be/GEvPEGomnIU>
10. <https://youtu.be/iWWG8wKLXvw>
11. <https://youtu.be/Kb2uPrdIU54>
12. <https://youtu.be/klhrnBaR-tl>
13. <https://youtu.be/M5DOQQdXKDw>
14. <https://youtu.be/R2HjXqm0Ut8>
15. <https://youtu.be/SYNgq2IUazl>
16. <https://youtu.be/tFYkl6efuw8>
17. <https://youtu.be/VhJZYIMNtpE>
18. <https://youtu.be/xfJLCvZGb4g>
19. https://youtu.be/YzYQFnU3_zY

Power Point Presentations



Presentation on
Valuation of Shares
Intrinsic Value Method, Market Value Method and
Fair Value Method
B. Com. Part II
Corporate Accounting Paper II, Unit-II

By
Dr. Nandkumar Laxman Kadam

M. Com., M. Phil., Ph.D., M.B.A.
Associate Professor, Vice Principal and
Head, Department of Accountancy,
Jaysingpur College, Jaysingpur.
Email – nkadam17@yahoo.com

Presentation on
Funds Flow Statement
B. Com. Part III
Advanced Accountancy Paper III, Unit-III

By
Dr. Nandkumar Laxman Kadam

M. Com., M. Phil., Ph.D., M.B.A.
Associate Professor, Vice Principal and
Head, Department of Accountancy,
Jaysingpur College, Jaysingpur.
Email – nkadam17@yahoo.com

Presentation on
Ratio Analysis
Meaning, Advantage, limitations and
Classification of Ratios
B. Com. Part III
Advanced Accountancy Paper III, Unit-IV

By
Dr. Nandkumar Laxman Kadam

M. Com., M. Phil., Ph.D., M.B.A.
Associate Professor, Vice Principal and
Head, Department of Accountancy,
Jaysingpur College, Jaysingpur.
Email – nkadam17@yahoo.com

Presentation on
Unit-II - Marginal (Variable) Costing
Concept, Advantages and Limitations,
Cost Volume Profit (CVP) Analysis and Decision Making
B. Com. Part III
Advanced Accountancy Paper III

By
Dr. Nandkumar Laxman Kadam

M. Com., M. Phil., Ph.D., M.B.A.
Associate Professor, Vice Principal and
Head, Department of Accountancy,
Jaysingpur College, Jaysingpur.
Email – nkadam17@yahoo.com

Presentation on
Branch Accounts – Dependent Branch
Stock and Debtors Method or System
B. Com. Part II
Financial Accounting Paper II, Unit-III

By
Dr. Nandkumar Laxman Kadam

M. Com., M. Phil., Ph.D., M.B.A.
Associate Professor, Vice Principal and
Head, Department of Accountancy,
Jaysingpur College, Jaysingpur.
Email – nkadam17@yahoo.com

2. NAME OF THE FACULTY: DR. (MRS.) S. R. NAKATE

NAME OF THE DEPARTMENT: COMMERCE

Google Forms

1. <https://forms.gle/GZ4jDKPw9sLZtUrp9>

Power Point Presentations

Presentation on
Human Resource Management
B.com. III (Sem. V)
Industrial Management

By
Mrs. Nakate S. R.

M. Com., NET, Ph.D. (Pursuing)
Assistant Professor,
Jaysingpur College, Jaysingpur.
Gmail – srnakatejci@gmail.com

Presentation on
Life Insurance & General Insurance
B.com. I (Sem. II)
Insurance Paper II

By
Mrs. Nakate S. R.

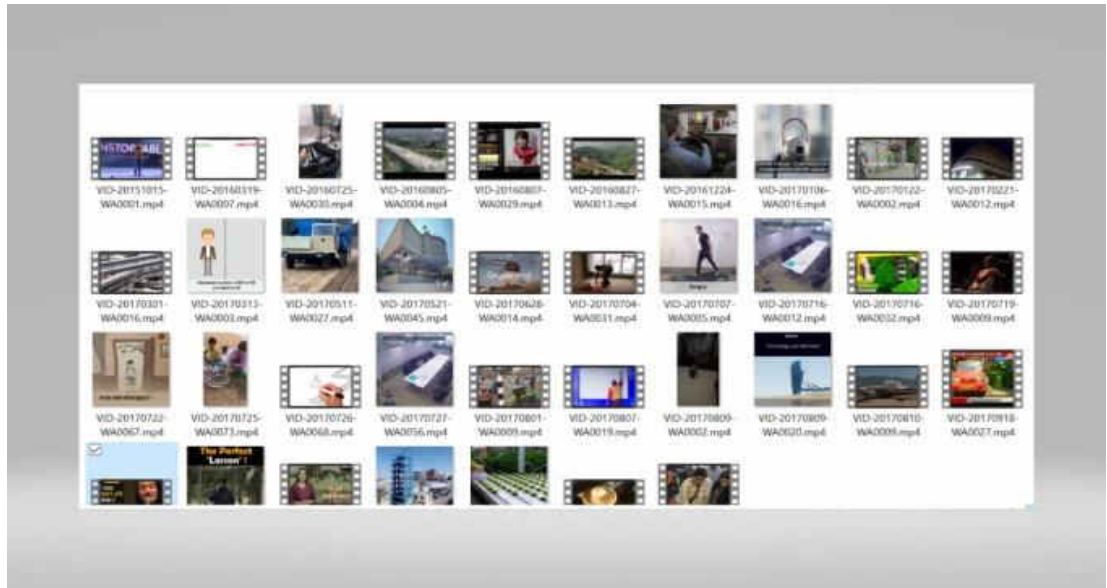
M. Com., NET, Ph.D. (Pursuing)
Assistant Professor,
Jaysingpur College, Jaysingpur.
Gmail – srnakatejci@gmail.com

Presentation on
Micro, Small and Medium Enterprises(MSME)
B.com. II (Sem. IV)
Fundamentals of Entrepreneurship

By
Mrs. Nakate S. R.

M. Com., NET, Ph.D. (Pursuing)
Assistant Professor,
Jaysingpur College, Jaysingpur.
Gmail – srnakatejci@gmail.com

Sharing of Entrepreneurship Video with Students



2. NAME OF THE FACULTY: Mrs. S. S. Chougule

1. <https://forms.gle/3RcSz2yW5SBaXMic9>

4. NAME OF THE FACULTY: Miss. Ashwini J. Kamble

1. PowerPoint Presentation
1. B.com III - Business Regulatory Framework
2. M.Com I- Advanced Accountancy paper I



Jaysingpur College Jaysingpur

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Academic Year-2023-24

- ❖ **Name of the Department** - BOTANY
- ❖ **Name of the Teacher**- Prof. Dr. (Mrs.) Manisha V. Kale
- ❖ **Email id**- manishavkale@gmail.com
- ❖ **Contact number**- 9730009918
- ❖ **Details of platform used for online teaching**
 - ❖ Google classroom link (if any)-)
<https://classroom.google.com/u/0/c/MTI3MzQwNzcxNjI1>
 - ❖ Zoom meeting id and code (if any)- ID: **564 211 3981** Passcode: **1**
 - ❖ Information about any other platform-
 - ❖ You tube: <https://www.youtube.com/watch?v=mmUkV-SzLxs>

Sr. No.	Class/ Paper Name/ Number	Total No. of online Lectures	Online platform used	No. of Beneficiaries/ students
1	B.Sc. III	03	Zoom meetings, You tube lectures	15



ANEKANT EDUCATION SOCIETY'S
JAYSINGPUR COLLEGE JAYSINGPUR

PLANT WEALTH OF NAKSHATRA BOTANIC GARDEN



Nakshtra Botanic Garden, Jaysingpur College, Jaysingpur



Manisha Kale
5 subscribers

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Clip



257 views Jul 10, 2020 #BotanicGarden #Jaysingpur
Nakshtra Botanic Garden, Jaysingpur College, Jaysingpur

#BotanicGarden #Jaysingpur #AnekantEducationSociety

Prof. Dr. (Mrs.) Manisha V. Kale

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Jaysingpur College Jaysingpur

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Academic Year-2021-22



Department Name- Chemistry

Name of Teacher-Dr. R. S. Dhabbe

Email id- rsdhabbe@gmail.com

Contact number- 9970978781

Details of platform used for online teaching-Zoom

Google classroom link (if any)-

B.Sc. <https://classroom.google.com/c/NjE3NjIyODE0NTk3?cjc=y mk3a5h>

M.Sc. <https://classroom.google.com/c/MTI2NTAxNjUzMzYx?cjc=z kv y4b7>

Zoom meeting id and code (if any)-NA

Information about any other platform-





A PROJECT REPORT
ON

"Temperature Dependent Conductance variation of metal sulfate solutions : A comparative study of MgSO₄, ZnSO₄ and CuSO₄"

SUBMITTED TO
JAYSINGPUR COLLEGE JAYSINGPUR
AS A PARTIAL FULFILLMENT OF THE DEGREE OF
MASTER OF SCIENCE
IN
CHEMISTRY
BY

Ayush Shital Patil

Sanket uday Kumbhar

UNDER THE GUIDANCE OF

Dr. R. S. Dhabbe
M. Sc. Ph.D.

DEPARTMENT OF CHEMISTRY
JAYSINGPUR COLLEGE,
JAYSINGPUR - 416 101
2023-24



A
PROJECT REPORT
ON

**"Exploring The Antifungal Activity Of Neem Extract
Combined With IPA & Alcohol"**

SUBMITTED

TO

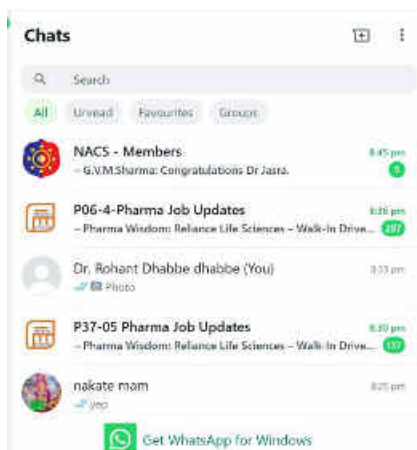
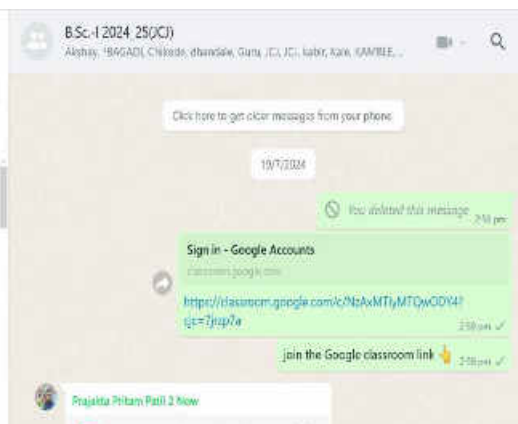
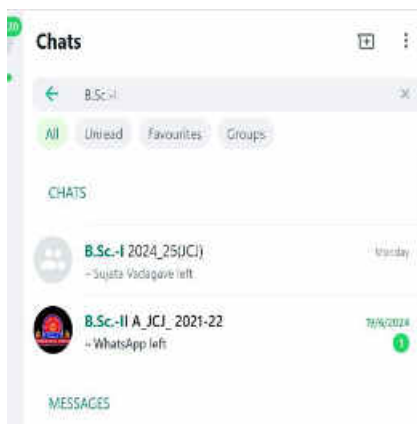
JAYSINGPUR COLLEGE JAYSINGPUR
AS A PARTIAL FULFILLMENT OF THE DEGREE OF
BACHALOR OF SCIENCE
IN
CHEMISTRY
BY

SUTAR RUTUJA RAJENDRA
ZAMBARE TANUJA SHASHIKANT
ZAMBARE TANUSHREE SHASHIKANT

UNDER THE GUIDANCE OF

Dr. R. S. Dhabbe
M. Sc. Ph.D.

DEPARTMENT OF CHEMISTRY
JAYSINGPUR COLLEGE,
JAYSINGPUR - 416 101
2023-24



Jaysingpur College Jaysingpur

Affiliated to Shivaji University, Kolhapur

Accredited 'A' grade by NAAC

DST-FIST (level-1) sponsored

Academic Year-2021-22



Department Name- Chemistry

Name of Teacher-Mr. K. R. Kumbhar

Email id- kabir1324@gmail.com

Contact number- 9632148252

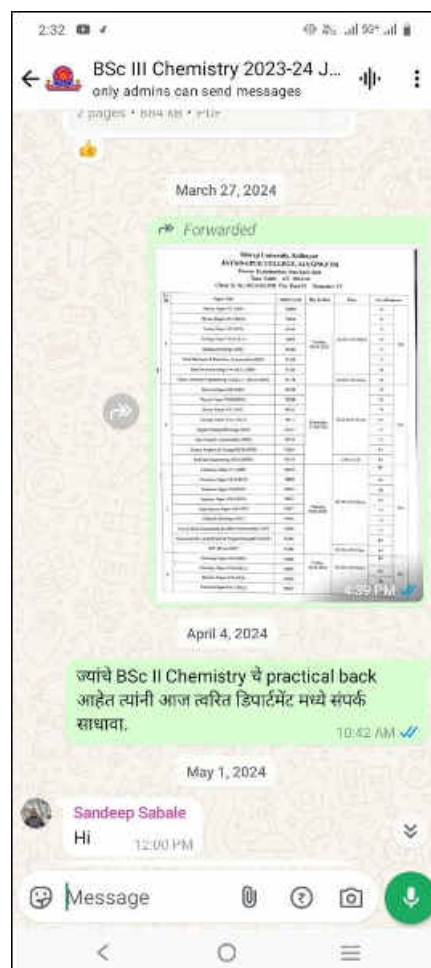
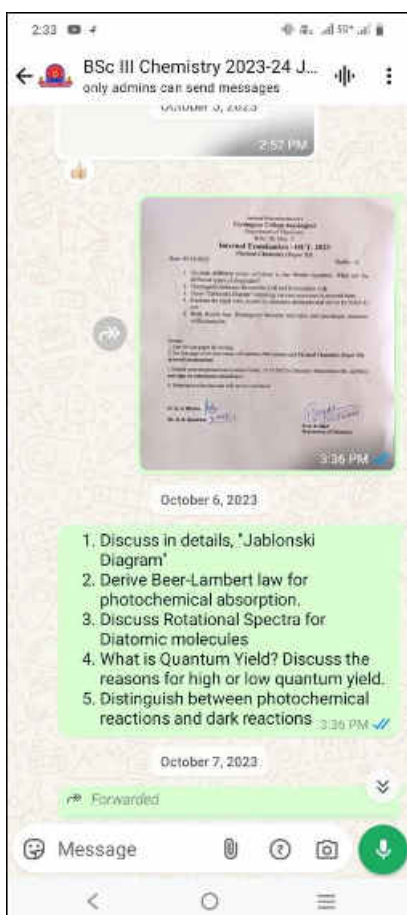
Details of platform used for online teaching-Whats app, Google Classroom

Google classroom link (if any)-

B.Sc.I<https://classroom.google.com/c/NjE3NjIyODE0NTk3?cjc=ykm3a5h>

M.Sc.I<https://classroom.google.com/c/MTI2NTAxNjUzMzYx?cjc=zkv4b7>

Zoom meeting id and code (if any)-NA





Jaysingpur College Jaysingpur

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DST-FIST (level-1) sponsored

Academic Year-2021-22

Name of Teacher: Dr. G. H. Nikam

Department of Chemistry

1. PowerPoint Presentation : B. Sc. II Chemistry

The presentation consists of six slides:

- Slide 1:** Title slide: "P Block Elements", B. Sc. II, SEM. IV, Paper VII: Inorganic Chemistry, AY - 2023-24. Author: Dr. G. H. Nikam, Department of Chemistry, Jaysingpur College, Jaysingpur, Date: 9.11.2024.
- Slide 2:** Table-5: P-Block elements (Group 13, 14 and 15). Lists objectives: 3.1. Position of elements in periodic table; 3.2. Characteristics of p-block elements with special reference to Electronic configuration and Periodic properties; 3.3. Compounds of group 13, 14 and 15. Sub-points: 3.3.1. Bore's Diatomic method of preparation and series of bonding (structure); 3.3.2. Bore's method of preparation and nature of bonding (structure); 3.3.3. Allotropes of carbon: and diamond/graphite; 3.3.4. Oxides of carbon: CO, CO₂, H₂CO₃; 3.3.5. Oxides of silicon: SiO₂, SiO, and Si₂O; 3.3.6. Oxides of Nitrogen: N₂O, NO, and NO₂.
- Slide 3:** Periodic table highlighting p-block elements in groups 13, 14, 15, 16, and 17.
- Slide 4:** Diagram of p-block elements in the periodic table.
- Slide 5:** Text defining p-block elements based on electronic configuration and orbital filling.
- Slide 6:** Table summarizing electronic configuration, electrons in orbitals, and group names for p-block elements.

Electronic configuration	Electrons in last p orbital	Electrons in valence shell	Name of group
ns^2, np^1	1	3	13 IIIA
ns^2, np^2	2	4	14 IVA
ns^2, np^3	3	5	15 VA
ns^2, np^4	4	6	16 VIA
ns^2, np^5	5	7	17 VII A
ns^2, np^6	6	8	18 VIII A or zero

2. Whats App Sharing

WhatsApp chat with J Kabir:

- 15:11, 92% battery. Chat title: BSc III Chemistry 2023-24 J... only admins can send messages.
- 14 October 2023
- J Kabir: Physical lecture is in Room no 8 (12:19)
- 12.15-1.15 (12:19)
- 16 October 2023
- New Doc 10-16-2023 12.33.pdf (4 pages • 1.9 MB • PDF) (12:37)

WhatsApp chat with JCJ M.Sc.II 2023-24:

- 15:14, 92% battery. Chat title: JCJ M.Sc.II 2023-24 Dhabbe, J., +91 72197 68218, +91 74...
- Employment Type: Full-Time
- Roles & Responsibilities:
 - 1 To verify the raw materials during manufacturing.
 - 2 Co-ordination wit... Read more
- Department of Chemistry, Jaysingpur College, Jaysingpur. Dr. G.H. Nikam, M.Sc. Part II (Chem II)
- pdf.pdf (90 pages • 7.9 MB • PDF) (13:28)
- Air and Water pollutant analysis (13:28)
- 24 November 2023



Anekant Education Society's
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Academic Year-2023-24

- Department Name- BOTANY
- Name of Teacher- Dr. Suraj D. Umdale
- Email id- surajdumdale@gmail.com
- Contact number- 8806323229
- Details of platform used for online teaching
- Google classroom link (if any)-)
<https://classroom.google.com/u/0/c/MTI3MzQwNzcxNjI1>
- Zoom meeting id and code (if any)- ID: 564 211 3981 Passcode: 1
- Information about any other platform-

Sr. No.	Class/ Paper Name/ Number	Total No. of online Lectures	Online platform used	No. of Beneficiaries/ students
1	B.Sc. III	17	Zoom, Google classroom	16
2	B.Sc. II	04	Zoom, Google classroom	73

Dr. Suraj D. Umdale




Head
Department of Botany


**B. Sc. II
BOTANY**
 SEMESTER-IV
**Paper VIII (DSC D14)
PLANT METABOLISM**

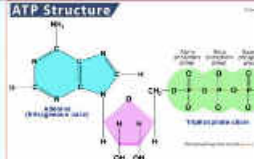
**Unit 2.a
RESPIRATION**

Dr. Suraj D. Umdale
 Assistant Professor
 Department of Botany,
 Jaysingpur College, Jaysingpur
 Kolhapur (MS), India.
 E-mail ID: surajumdale@gmail.com

- The energy trapped during oxidation, is conserved in the form of ATP molecules.
- From ATP molecules, energy is supplied during various metabolic reactions.
- Therefore, **ATP molecules are considered as energy currency** and they can readily supply energy to any metabolic reaction.
- The Aim of respiration is to **produce energy currency molecules**




Adenosine Triphosphate (ATP)



ATP Structure

ADP + Pi → ATP + H₂O

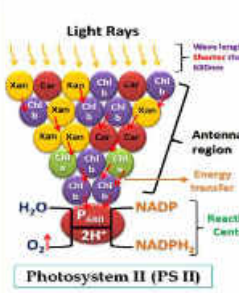

**B. Sc. II
BOTANY**
 SEMESTER-III
**Paper VI (DSC C14)
PLANT PHYSIOLOGY**

**Unit 2.a
PHOTOSYNTHESIS**

Dr. Suraj D. Umdale
 Assistant Professor
 Department of Botany,
 Jaysingpur College, Jaysingpur
 Kolhapur (MS), India.
 E-mail ID: surajumdale@gmail.com

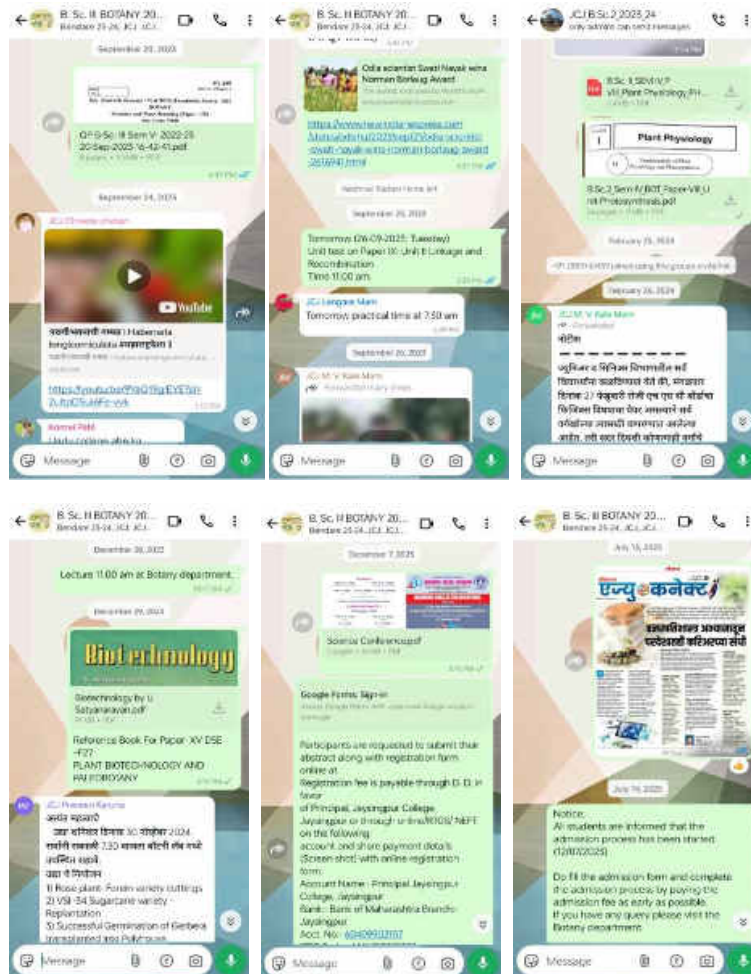
Photosystem II (PS-II)

- The Photosystem II (PS-II) complex consists of about **200 chlorophylls** and **50 carotenoids**, in the antenna.
- The Reaction centre consists of **chl-a** with Maximum absorption spectra (Amx) at **680nm** known as **P₆₈₀**.
- In addition to these pigments the system shows presence of primary electron acceptor **Ubiquinone (Q)**, a **plastoquinone (PQ)**, **Mn** molecules bound to proteins, **Cytochrome b₅₅₉** and **Cytochrome b₆ (cyt b₆)** and molecules of chlorides.
- The PS II is associated with a special complex responsible for evolution of oxygen during light reaction.
- This complex is known as **OEC complex (Oxygen Evolving Complex)**.



Photosystem II (PS II)

Screenshots of B. Sc. II PPT Lectures (AY-2023-24)



Screenshots B.Sc. III (BOTANY) Whatsapp group (AY-2023-24)

B. Sc. III
Paper XIV: DSE-F26
Bioinformatics, Biostatistics & Economic Botany

BIOINFORMATICS

Dr. Suraj D. Umale
 Assistant Professor
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 Jaysingpur College, Jaysingpur, Kolhapur (MS), India.
 E-mail ID: surajdumale@gmail.com
 Mob. No: 986632225

BIOINFORMATICS

- > The combination of biology and information technology
- > It is a recently developed science using information to understand biological phenomena.
- > It involves the computational tools and methods used to manage, analyse and manipulate volumes and volumes of biological data.

BIOINFORMATICS

- > It may also be regarded as a part of the computational biology
- > Letter is concerned with the application of quantitative analytical techniques in modeling and solving problems in the biological systems.
- > It is an interdisciplinary approach requiring advanced knowledge of computer mathematics and statistical methods for understanding of biological phenomena at the molecular level.

History of Bioinformatics

- > It was first introduced in 1980s.
- > It dealt with the management and analysis of the data pertaining to DNA, RNA and protein sequences.
- > It includes many other types of biological data
- > Most important ones are listed below
 - Gene expression profiles
 - Protein structure
 - Protein interaction
 - Microarrays (DNA chips)
 - Functional analysis of biomolecules
 - Drug designing

Broad coverage of bioinformatics

- > **Functional genomics:** identification of genes and their respective functions
- > **Structural genomics:** predictions related to functions of protein
- > **Comparative genomics:** understanding the genomes of different species of organisms
- > **DNA microarrays:** designed to measure the levels of gene expression in different tissues, various stages of development and in different diseases
- > **Medical informatics:** involves the management of biomedical data with special references to biomolecules, in vitro assays and clinical trials

Components of bioinformatics

1. Creation of databases:

- > Involves the organizing, storage and management of the biological data sets
- > Databases are accessible and submit new entries.
- > Protein sequences data bank for molecular structures



B.Sc.-III (Semester VI)
Paper- XV (DSE-F27)
Plant Biotechnology & Paleobotany

Plant Biotechnology

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 Mob. No: 986632225

What is biotechnology?

- > Biology + technology
- > Involve the application of biological systems or their components for generating useful products/ services
- > Biotechnology can be defined as "The use of living microorganisms to synthesize or processes for the manufacture of useful products. It may be algae, yeast, fungi, bacteria, virus or cells of higher plants and animals or their subunits or isolated components from living matter"

Interdisciplinary Activity:

- Microbiology
- Genetics
- Immunology
- Engineering
- Chemistry & Biochemistry
- Molecular Biology
- Physiology

Definitions

- > **Biotechnology** means any technological application that uses biological systems, living organisms or derivatives thereof to make or modify products or processes for specific uses.
- > **Biotechnology** is "the controlled use of biological agents such as micro-organisms or cellular components for beneficial use".
- > **Biotechnology** is "The integrated use of biochemistry, microbiology and engineering sciences in order to achieve technological application of the capabilities of microorganisms, cultured tissues, cells and parts thereof."

Biotechnology Old/ New

- > Though the term biotech is of recent origin but the discipline goes very old
- > Man started exploiting/ employing organisms as early as 5000 BC for making wine, vinegar and curd etc.
- > Such processes which are based on capabilities of micro-organisms etc. are traditionally considered as old biotechnology



Biotechnology Methods for Preservation of Food



1st world war prompted the use of microorganisms for the production of different products on commercial scale — Old Biotechnology

- > German was forced to develop technology for the production of alcohol (used for production of explosives) due to restriction of vegetables in by Britain
- > British produced some essential fermentation using *Clostridium pasteurianum* due to German interference with normal supply of wheat
- > Production of silk and using *Bombyx mori* after the destruction of silkworms in china world war I
- > Production of penicillin (*Penicillium notatum*)

B.Sc.-III (Semester V)
Paper- IX (DSE-F25)
Genetics and Plant Breeding

Unit IV: Plant Breeding

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 Kolhapur (MS), India.
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 Mob. No: 986632225

Unit No. 4: Plant Breeding 12

4.1. Introduction, Definition

4.2. Aims and objectives of plant breeding

4.3. Methods of plant breeding

a) Introduction and acclimatization

b) Selection- i) Mass selection ii) Pure line selection iii) Clonal selection

c) Hybridization techniques in self and cross-pollinated crops

d) Male sterility and its significance

e) Mutation breeding, Gamma garden

Introduction

The art and science which deals with genetic improvement of crop plants in relation to their economic uses

- Plant breeding is the science that derives new crop varieties to farmers.
- Based on the principles of genetics, as laid down classically by **G. J. Mendel** during 1850s, which were "rediscovered" in 1900 by **Hugo de Vries**, **Carl Correns** and **Dick von Tschermak**; this science has taken the world forward through family planning, hygiene, human and domestic.
- Plant breeding began when agriculture commenced centuries back, but the real science of plant breeding took shape when Mendel's principles of genetics came to light during 1850s.
- The year 2020 commemorated 155 years of Mendelian principles. No nation thrives without agriculture, and plant breeding is the integral part of that science.

- The agriculture began some 25,000 years ago.
- If this is true, plant breeding also commenced by then, since farmers must have surely nurtured best cultivars.
- Centuries of breeding programmes finally culminated in Sonora 64 (wheat) and IR 8 (rice) in the 1960s.
- While **Dr Norman E. Borlaug** of CIMMYT exploited North 10 genes to derive semi-dwarf wheat, in rice, the cross between Peta (Indonesia) and Dazigao-wu-gen (DOWG - China) produced IR 8, Peter Jennings, Henry Böhler and Sarjit Kumar De Datta of IRRI spearheaded this.
- Dr. M. S. Swaminathan who known as "**Father of Green Revolution in India**" for his role in introducing and further developing high-yielding varieties of wheat in India.
- This saga continues worldwide in producing thousands of varieties in all edible crops.

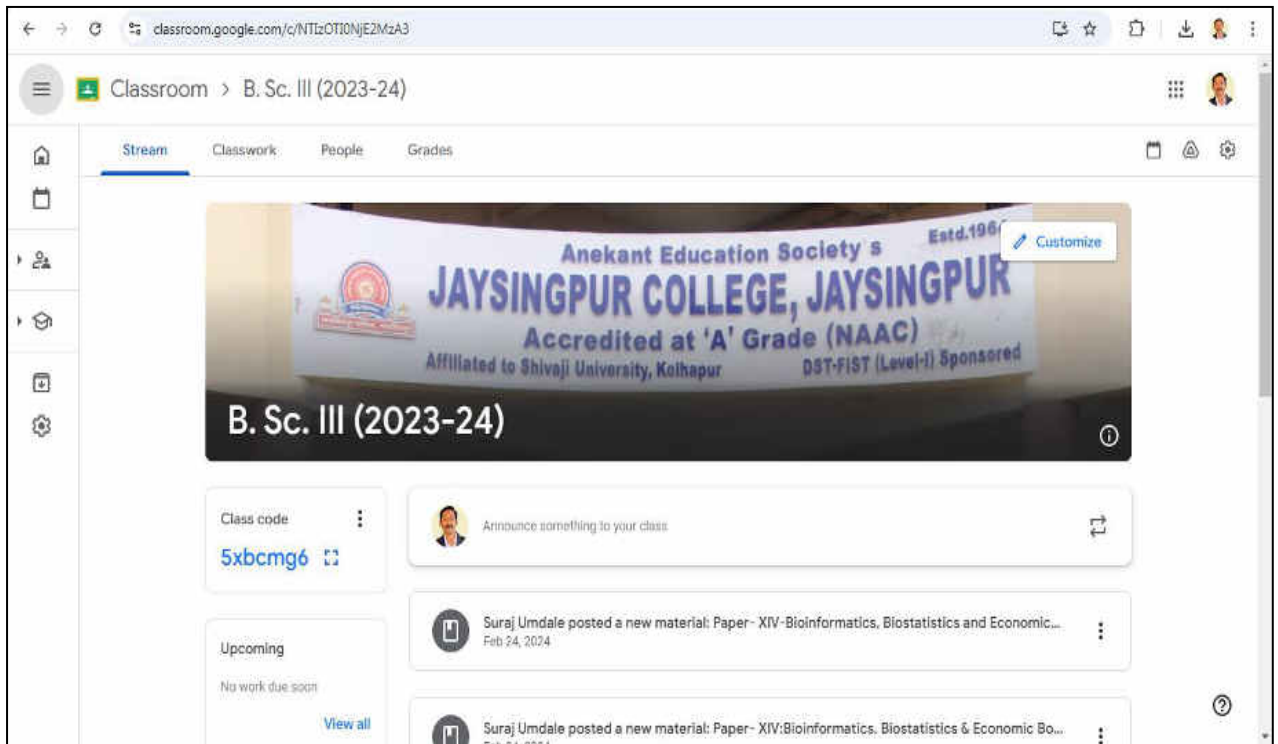


Norman Ernest Borlaug
 Father of Green Revolution in world

Dr. M. S. Swaminathan
 Father of Green Revolution in India

- The crop improvement means combining desirable characteristics in one plant and then multiplying it.
- A plant breeder is to select plants with desired characters, cross them and then identify the offspring that combine the attributes of both parents.
- Further, he multiplies the progeny to supply to farmers; growers or markets.
- The modern age of plant breeding began in the early part of the twentieth century, after Mendel's work was rediscovered.
- Today plant breeding is a specialized technology based on genetics.
- It is now clearly understood that within a given environment, crop improvement has to be achieved through superior heredity.

Screenshots of B. Sc. III PPT Lectures (AY-2023-24)



Screenshots of B. Sc. III Google Classroom (AY-2023-24)



Dr. Suraj D. Umdale



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Academic Year-2023-24

Department Name- Geography

Name of Teacher-Dr. Rajendra Laxman Koli

Email id- dr.rajendrakoli19@gmail.com

Contact number- 9657197666

Details of platform used for online teaching-Zoom

Google classroom link (if any)-

Information about any other platform-

Sr. No.	Paper Name/ Number	Total No. of online Lectures	Online platform used	No. of Beneficiaries / students	Any Additional work done through Online platform (Ex-online exam/ webinar/conference etc.)
1	Physical Geography Paper No. 1	2	PPT	31	



Anekant Education Society's
Jaysingpur College, Jaysingpur
Activity Report

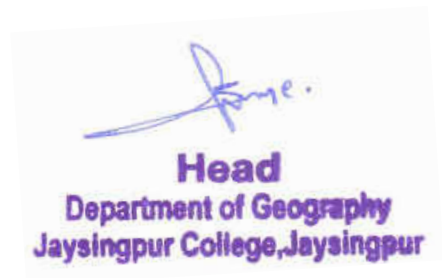
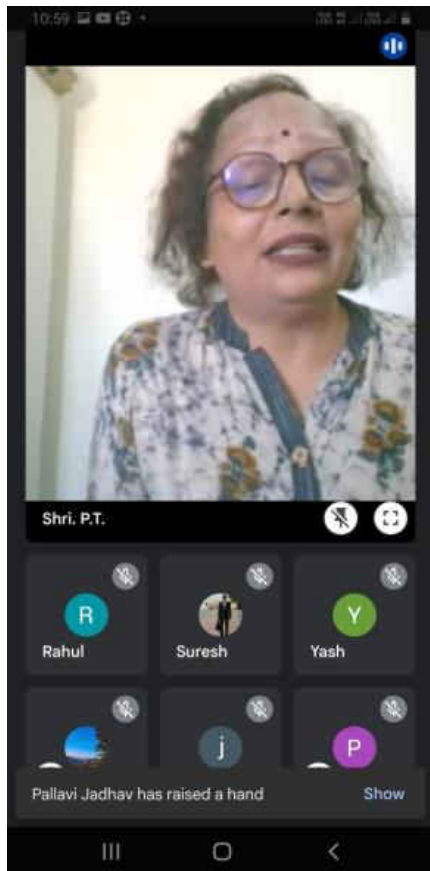
Organised By: Department of Geography

Year:	2022-23
Name of the Activity:	Digital based education (ICT)
Date:	
Venue:	Geography department
Co-ordinator:	Prof. T.G.Ghatage
Organised for: College/class/ staff	class
No. of Participants	39
Nature: (e.g. Academic, cultural, sports etc)	Academic
Objectives of the Activity	Academic
Chief Guest/s or Resource Person/s	Prof. T.G.Ghatage Dr. R.L.Koli
Short Report (in English)	

Digital based education (ICT)

The department of geography in the academic year 2022-23, the work of imparting knowledge to the students through the use of various educational technologies has been done in a very good manner through the department in order to create a special interest in teaching. This method has been implemented in our department, for that all the professors of the department have tried to present to the children by studying the various components of computers (like PPT, Video

lecturer, project etc). Overall teaching work has been done very well in Geography Department.



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Academic Year-2023-24



Department Name- Psychology

Name of Teacher-Dr. V.V.Chougule

Email id- vvc.jsp@gmail.com

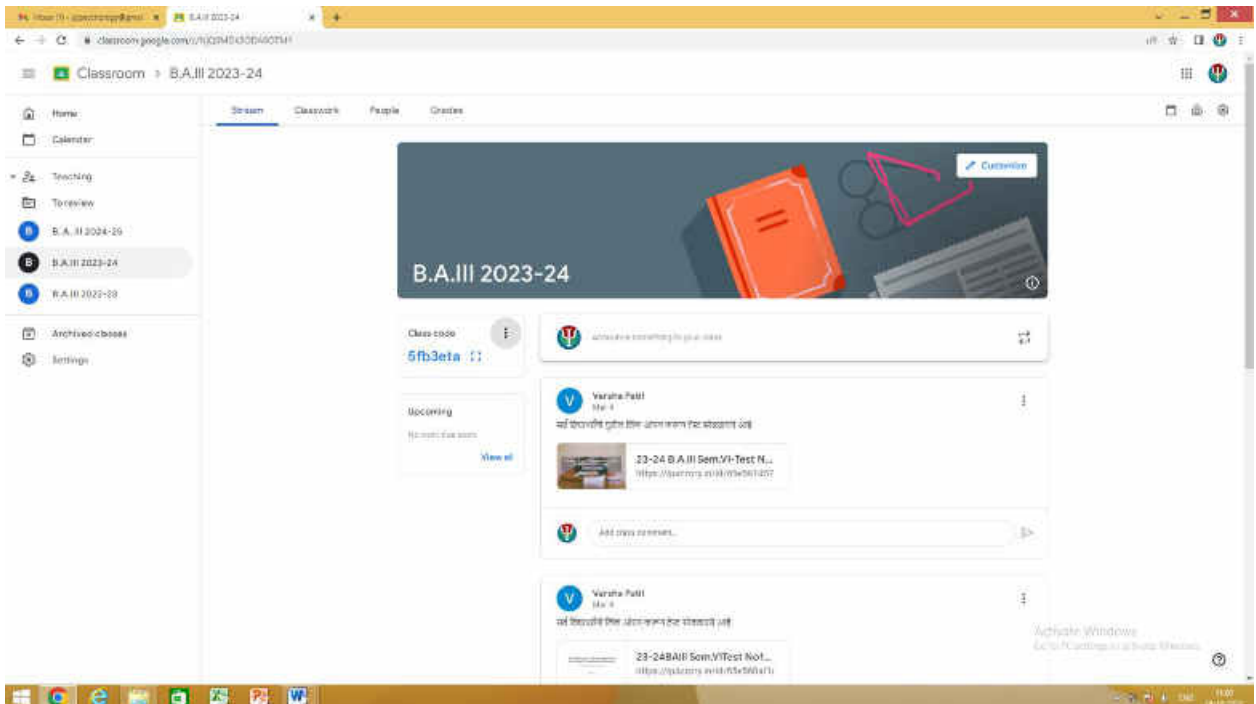
Contact number- 9423860371

Details of platform used for online teaching - Google meet

Google classroom link (if any)-

B.A.III - <https://classroom.google.com/c/NjQ0MDk3ODA0OTM1?cjc=5fb3eta>

Screenshot –





Jaysingpur College Jaysingpur

Department of Psychology

Details of Online teaching - 2023-24

Name of Teacher- Smt. V.V.Chougule

Email id- vvc.jsp@gmail.com

Contact number- 9423860371

Google classroom link –

1. B.A.III - <https://classroom.google.com/c/NjQ0MDk3ODA0OTM1?cjc=5fb3eta>

Online Test link –

1. B.A.II – <https://forms.gle/YSuPcSvWXJr8gBcx6>

<https://forms.gle/px2ioaCwu5Yoyg4y5>

2. B.A.III –

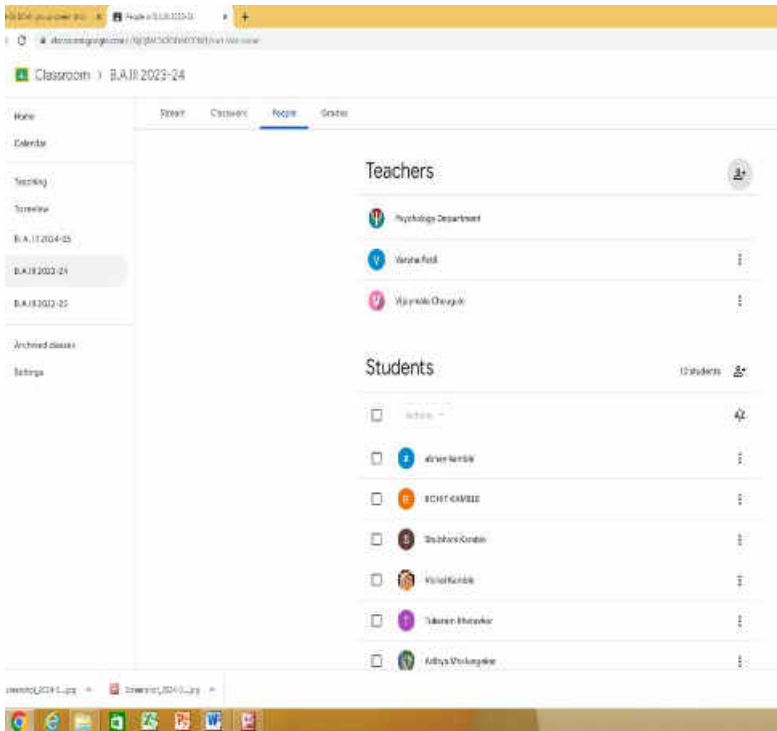
1 https://docs.google.com/forms/d/e/1FAIpQLSf5mwvkQhF5GB74dL5ARlhOZ9eMKAgionCVrBITjsnF5fT4g/viewform?usp=sf_link

2. https://docs.google.com/forms/d/e/1FAIpQLSfSGgx3e0AxKGBGHluSk9wopys5SixjCBNT14hiMkGDWbxqg/viewform?usp=sf_link

Videos-

1. <https://images.app.goo.gl/wWQoEpSUjPeDf9y39>
2. <https://youtube.com/shorts/-gYG0fhvF1I?si=1fw6TEWZdb1yssmh>
3. <https://youtube.com/shorts/NleWyugr2pl?si=9U89S3zTivNHHIqU>
4. https://youtu.be/UIQzck1_nd0?si=U1Na0b4IHUMEBcXt
5. <https://youtu.be/oLYb2ltcWJE?si=M6K6UUjNoy6pCTFt>
6. https://www.youtube.com/watch?v=UIQzck1_nd0
7. <https://youtu.be/oLYb2ltcWJE>

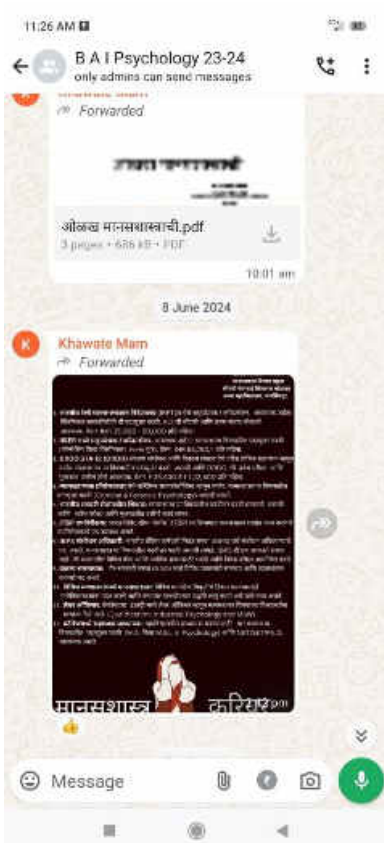
B.A.III – Screenshot of Google classroom



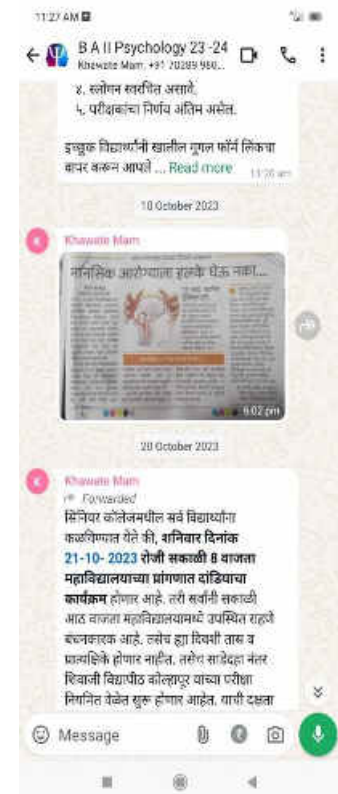
Whatsapp Group – B.A.III



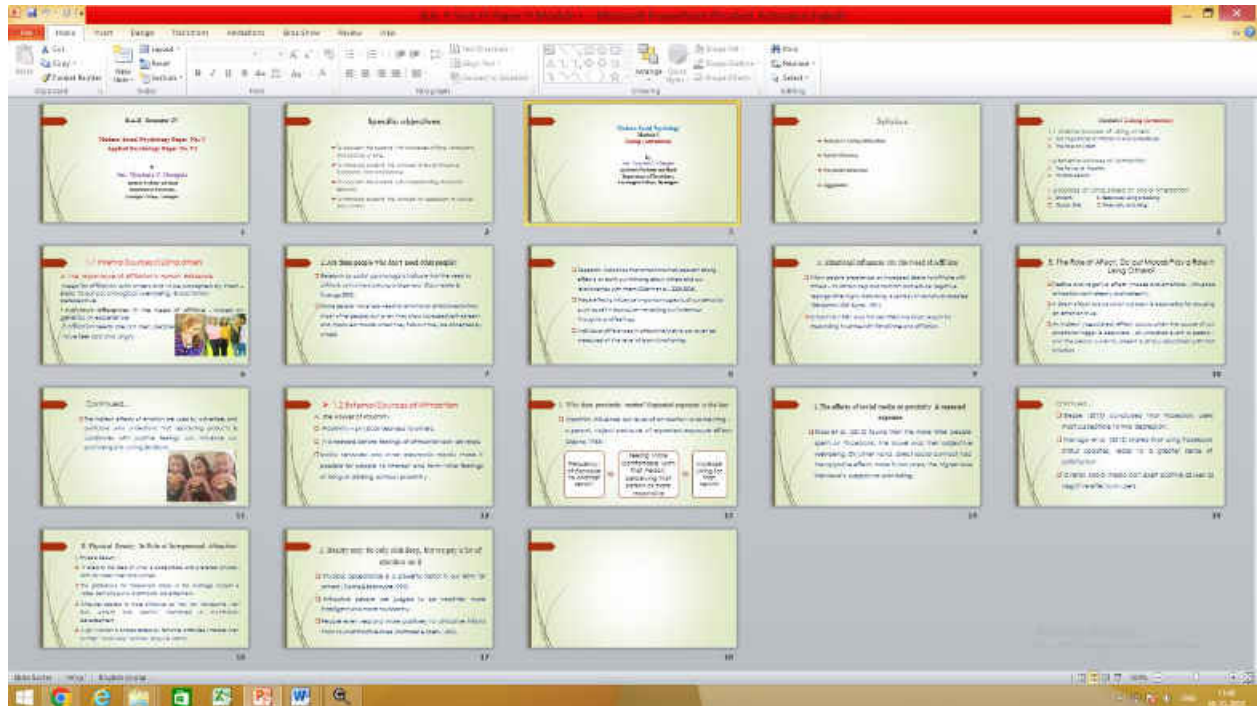
B.A.I



B.A.II



PPT -



Algh
Head
 Department of Psychology
 Jaysingpur College, Jaysingpur

Anekant Education Society's

Jaysingpur College Jaysingpur

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Academic Year-2023-24



Department Name- Economics

Name of Teacher-Dr. V. B. Devker

Email id- vandanadevakar1873@gmail.com

Contact number- 9422522017

Details of platform used for online CIE

B.Com.Part-I, Sem-II , Unit -test

<https://docs.google.com/forms/d/1GZv4HGKirETvHVqHmW7EDxVySrnqvxtm4gJJ8flajQ/edit?usp=drivesdk>



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Accredited 'A' grade by NAAC
DST-FIST (level-1) sponsored
Academic Year-2023-24

Department Name- Economics

Name of Teacher-Dr. P T Mane

Email id- ptmane1979@gmail.com

Dr. Prabhakar T. Mane

Associate Professor, Department of Economics

<https://www.youtube.com/@dr.prabhakartanajimane5620>

The screenshot displays the YouTube channel for Dr. Prabhakar Tanaji Mane. The channel name is "Dr. Prabhakar Tanaji Mane" with the handle "@dr.prabhakartanajimane5620". The channel has 158 subscribers and 39 videos. The "For You" section shows four video thumbnails with titles in Marathi and English, including "Hawtrey's Theory of Trade Cycles". The "Videos" section shows a row of six video thumbnails.



Anekant Education Society's

Jaysingpur College, Jaysingpur

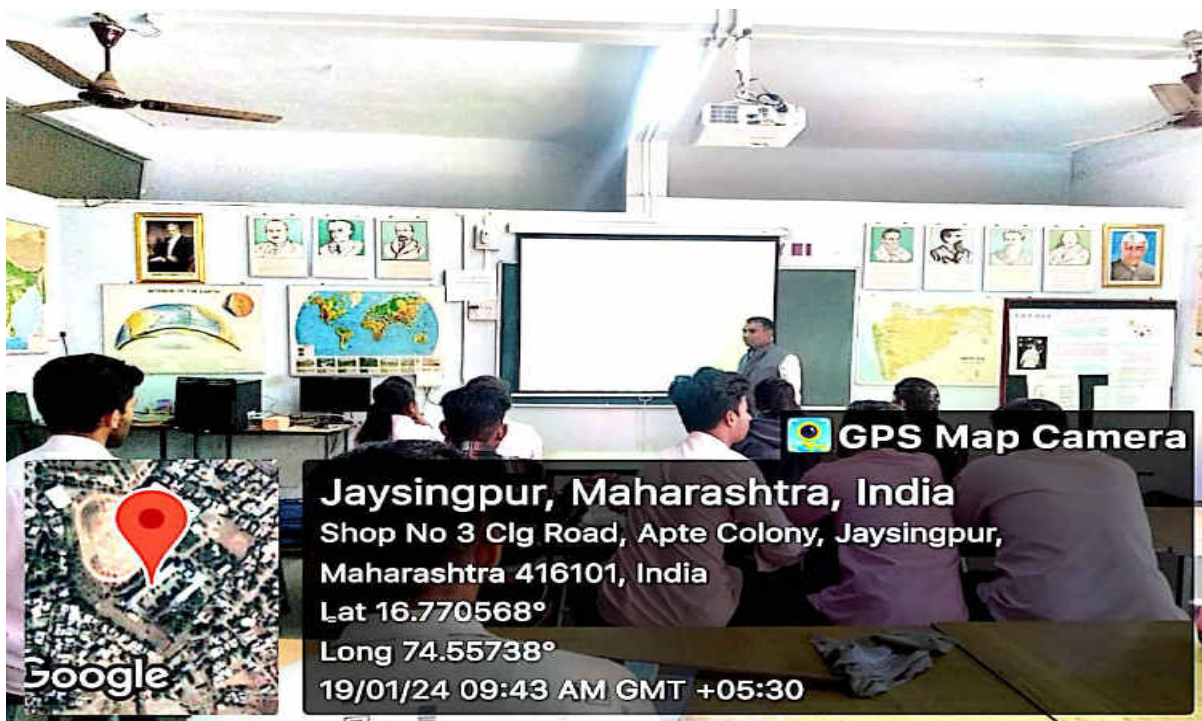
Activity Report

Organised By: **Department of Political Science**

Year	:	2023-24
Name of the Activity	:	ICT Based Lecture Topic On New Trends In Indian Federalism
Date	:	19/01/2024
Venue	:	ICT Room, Geography Department, Campus Jaysingpur College, jaysingpur
Co-ordinator	:	Dr. K. D. Khaladkar
Organised for College/Class/ Staff	:	Students
No. of Participants	:	37
Nature (e.g. Academic, cultural, sports etc)	:	Academic
Objectives of the Activity	:	To explore the emerging trends in Indian federalism and their impact on governance. To discuss the challenges and opportunities arising from these new trends in the federal structure.
Chief Guest/s or Resource Person/s	:	1. Dr. K. D. Khaladkar 2. Mr. M. S. Bagwan
Short Report (in English)	:	The ICT-based lecture on "New Trends in Indian Federalism" provided an in-depth analysis of the evolving federal structure in India, highlighting key trends and their impact on governance. The session also explored the challenges and opportunities these changes present for the country's federal system.
Outcome/Remark	:	The outcome of the lecture was enhanced understanding among participants of the evolving trends in Indian federalism and their implications for governance.




(Dr. K. D. Khaladkar)
Head
Department of Political Science
Jaysingpur College, Jaysingpur




(Dr. K. D. Khaladkar)
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Jaysingpur College Jaysingpur

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Accredited 'A' grade by NAAC

DST-FIST (level-1) sponsored

Academic Year-2023-24



Department Name- Physics

Name of Teacher-Dr. R. D. Mane, Dr. P.P. Chikode, Dr. S.S. Mahajan

Email id- drdmane@gmail.com,
prashantchikode@gmail.com,drssmahajan13@gmail.com

Contact number- 9860687791,9422408462,9403551596

Details of platform used for online teaching-Zoom

Google classroom link (if any)-

B.Sc.III- <https://classroom.google.com/c/NTczMzMyNDc0NjA3>

Zoom meeting id and code (if any)- NIL

Information about any other platform-

Sr. No.	Paper Name/ Number	Total No. of online Lectures	Online platform used	No. of Beneficiaries / students	Any Additional work done through Online platform (Ex-online exam/ webinar/conference etc.)
NIL					

B.Sc.I



Jaysingpur College Jaysingpur

Department of Physics

Details of Online teaching - 2023-24

Name of Teacher- Dr. Chikode P.P.

Email id- prashantchikode@gmail.com

Contact number- 9422408462

Google classroom link –

1 BSc. III – Screenshot of Google classroom

<https://classroom.google.com/c/NTczMzMyNDc0NjA3>

The screenshot displays a Google Classroom interface for the course 'B.Sc. III Physics 23-24'. The page is viewed from a desktop browser. On the left, a sidebar lists various classes, with 'B.Sc. III Physics 23-24' selected. The main content area features a blue header with the course name and a 'Customize' button. Below the header, the class code 'i4iw6v' is displayed. A section titled 'Upcoming' shows 'No work due soon'. The 'Stream' section contains three announcements from the teacher, 'prashant chikode', dated Feb 10, regarding new materials: 'Structure of Universe', 'Molecular Spectroscopy', and 'Raman Spectra'. The Windows taskbar is visible at the bottom, showing the system tray with the date '20-12-2024' and time '12:02'.



Jaysingpur College Jaysingpur

Department of Physics

Details of Online teaching - 2023-24

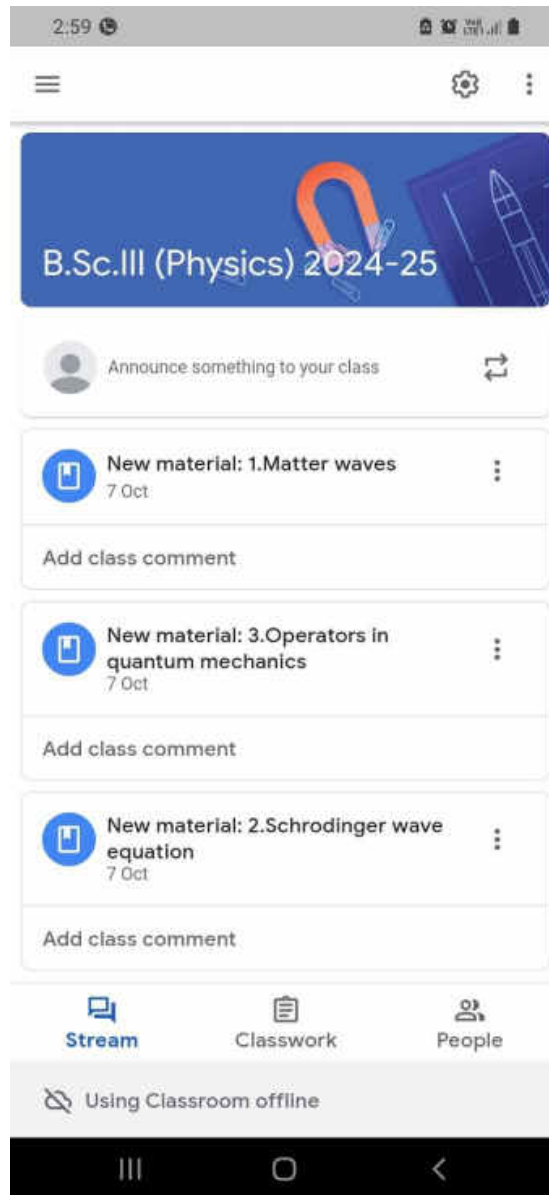
Name of Teacher- Dr. R .D. Mane

Email id- drmanerd@gmail.com

Contact number- 7588260164

Google classroom link –

1 BSc. III – Screenshot of Google classroom



Jaysingpur College Jaysingpur

Department of Zoology

ICT lectures Delivered

2023-24

Department Name-Zoology

Name of Teacher-Dr. Sachinkumar R. Patil

Email ID- drsrp.zoo@gmail.com

Contact number-8855032400

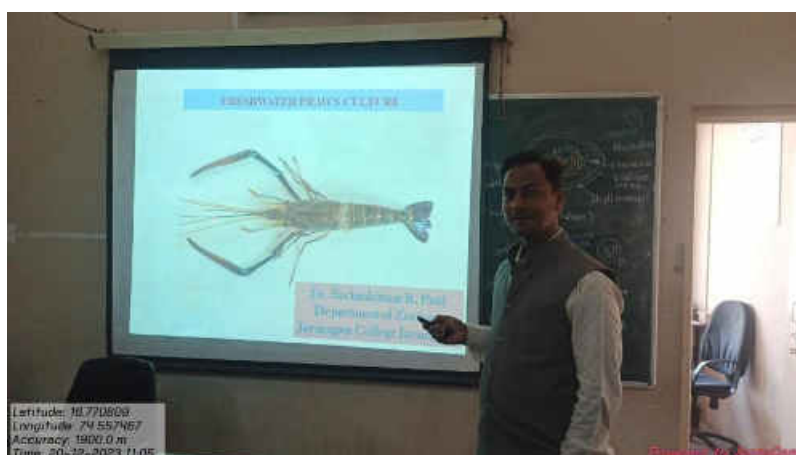
Google Classroom Links

B. Sc. II: <https://classroom.google.com/c/NjU4MTA5MTQ5MDM3?cjc=m3lkr6a>

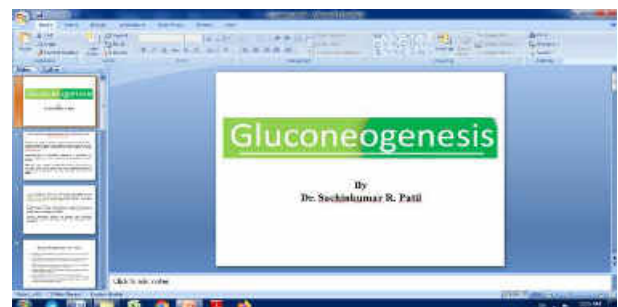
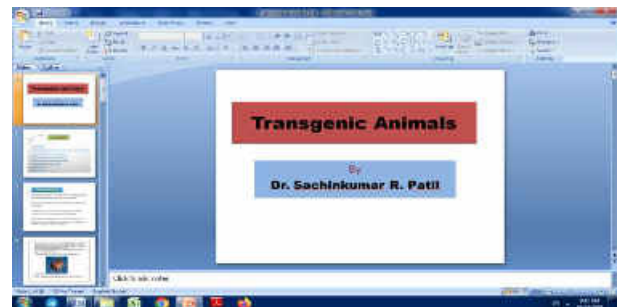
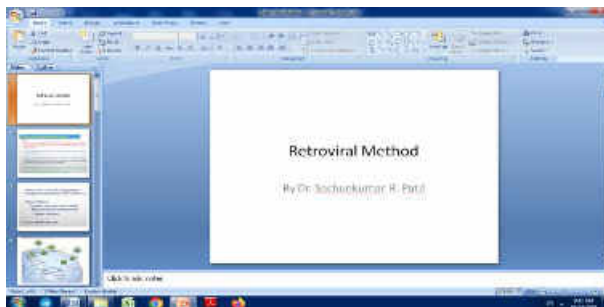
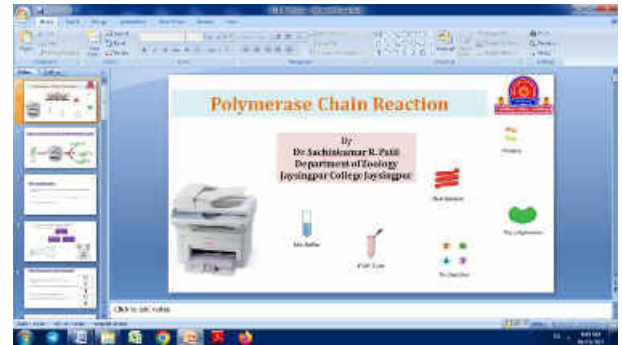
B. Sc. III: <https://classroom.google.com/c/NjQ3MDk2NTIyMjI5?cjc=zb2gfst>

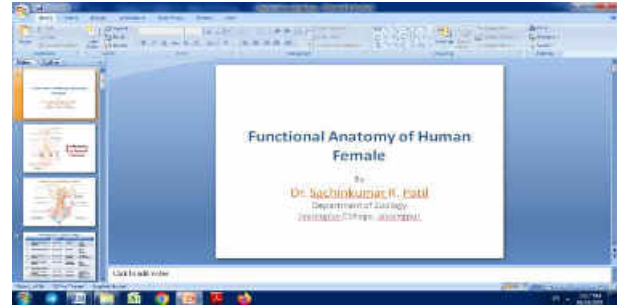
Details of ICT teaching

Sr. No.	Class	Semester	Total No. Lectures	Mode/platform	No. of Beneficiaries/ students
1	B. Sc. I	Semester I	02 Lectures	ICT	80/Lec
2	B. Sc. II	Semester III	17 Lectures	ICT	66/Lec
3	B. Sc. II	Semester IV	16 Lectures	ICT	63/Lec
4	B.Sc. III	Semester V	15 Lectures	ICT	03/Lec
5	B.Sc. III	Semester VI	27 Lectures	ICT	03/Lec



Samples of Presentations



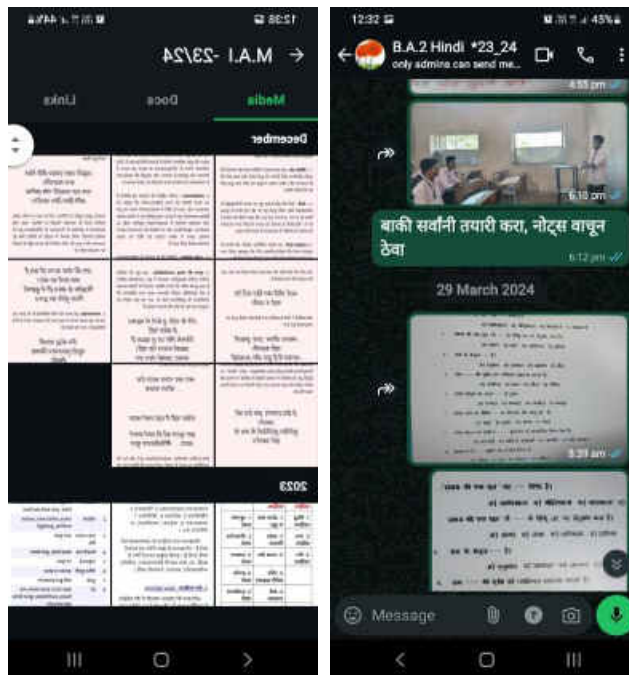
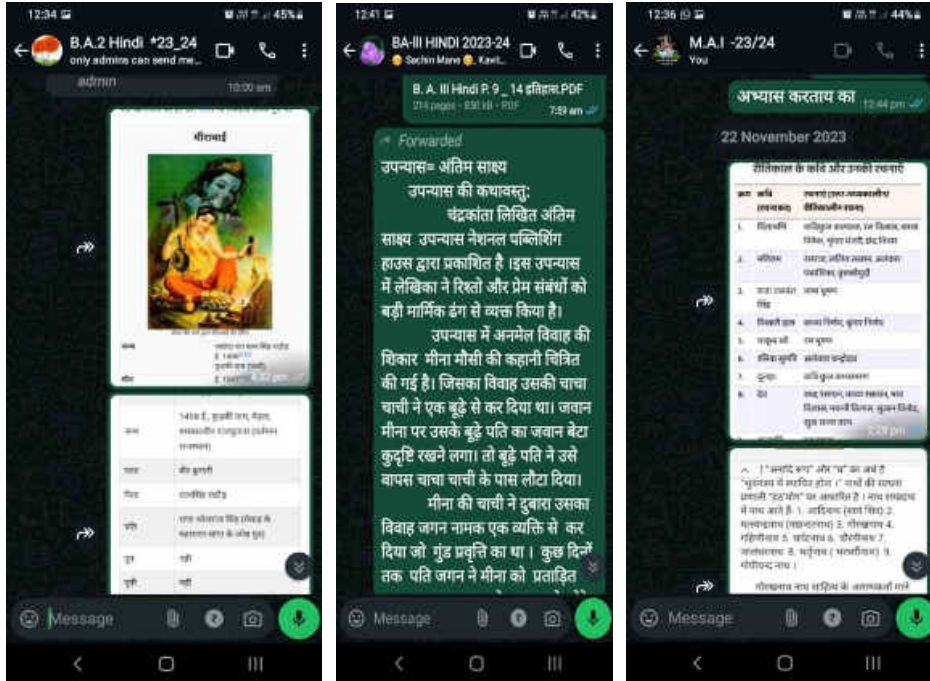


Sachin Kumar H. Patel
Head
Department of Zoology

Jaysingpur College, Jaysingpur Hindi Department

2023-24

ICT BASED LEARNING and Study Material Send Via Whats Group





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JAYSINGPUR COLLEGE JAYSINGPUR

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Academic Year-2023-24

Department Name- Marathi

Name of Teacher-Dr. S. R.Tapkir

Email id- sandiptapkir12@gmail.com

Contact number- 9922458974

Details of platform used for online teaching-Zoom

Google classroom link (if any)-

Online lecturer link-

1. https://drive.google.com/file/d/1B7-0nGPmLgfInjcoIWQmz8Y_-CrYGH-d/view?usp=sharing

2.

https://drive.google.com/file/d/1AyVVtXluxlHI_PjfUtlAWAIMeLxRKdKH/view?usp=drive_link

3. https://docs.google.com/spreadsheets/d/1qvqw19c38uclQKJNXhJr4fP-aKxN_xb3ybxHDwbDMuY/edit?usp=drive_link

4. https://drive.google.com/file/d/1rAVAuLuHyxEpur-STHcEbvkhv0fw_0K/view?usp=drive_link

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B.A.I

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B.A.II

https://docs.google.com/spreadsheets/d/1t3fI4pvE3OXOpqqSgugy65rCT_3CrUkk7hoAxyNiFg/edit?usp=drive_link

https://drive.google.com/file/d/193CMt7i83irjjVGDRbsBC1YMn55X3pwJ/view?usp=drive_link

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B.A.III-

https://drive.google.com/drive/folders/0B0_Jcyh5Ln52fmJrWjA3d2k2Z1gxZEdjV09Dd29vTIZ5TU9lYkZwVkJrb1dIekZ1U3U5U00?resourcekey=0-Ji_2v0mm54owuRJ5fhMw4g&usp=sharing

B.vok.Marathi

<https://drive.google.com/drive/folders/0B5fNdCjvfJcZfIMwZINaaWUyNXZZMlhaR29CWFhKYTBsV25nRy04TF9OU2h5Z3RkNS10WGs?resourcekey=0-A-CqIKwotIsPXIMGqckfWA&usp=sharing>