



Dada Ramchand Bakhru
Sindhu Mahavidyalaya, Nagpur

A Premier Higher Education Linguistic Minority Institutes Run By Sindhi Hindi Vidya Samiti

CRITERIA II

2.2 Catering to Student Diversity




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2.2.1 The institution assesses the learning levels of the students and organizes special Programmes for advanced learners and slow learners


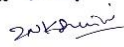



Bridge Course 2023-24

Department of Zoology Minutes of meeting

Date: 9/08/2023

A Meeting to start a bridge course in subject Zoology was held on 9/08/2023(Wednesday). It was decided that a Bridge Course in Zoology will be run by department of Zoology after one week of the completion of admission. It is decided that some special courses also advice for advanced, average and slow learner. The Main aim of the course is to provide the students basic understanding of zoological concepts and connecting Students with B.Sc. Zoology Course. It is decided to take exam of bridge course after the completion of course.

Signature

- 1) Dr. M.M. Shinkhede 
- 2) Dr. Z. N.kashmiri 
- 3) Dr. Y. V. Bhute 
- 4) Dr. P. C. Sonarghare 
- 5) Dr. K. R. Apkaje 
- 6) Dr. R. K. Marganwar




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DEPARTMENT OF ZOOLOGY

SESSION 2023-24

Curriculum for Bridge course

Curriculum contains four topics based on the syllabus of 11th and 12th standard form a bridge to undergraduate curriculum

Topic I: Kingdom Animalia

Classification, brief idea of five kingdom system,
Characteristic of animal classification,
General characters and classification up to classes (Invertebrates Phylum)

Topic II: Cell Structure and Organization

Grades of organization,
Comparative study of Prokaryotic and Eukaryotic cell,
Cell organelles in Prokaryotes and Eukaryotes

Topic III: Human Health and Disease

Basic concept of Immune system,
Pathogenic Protozoan's
Types of diseases

Topic IV: Ecology and Environment

Environment and its structure
Ecology and Ecosystem
Major causes of pollution

Topic V: Human Physiology

Digestion & Respiration
Excretion & Circulation
Reproduction




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DEPARTMENT OF ZOOLOGY
SESSION 2023-24

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Department of Zoology Session 2023-24

Dada Ramchand Bakhru Sindhu Mahavidyalaya, Nagpur
Department of Zoology Session 2023-24
Bridge Course Exam for B.Sc. Semester I

Date-19/08/2023

Time: 1 hour

Instructions: -

- (1) There are total 30 Questions
- (2) All questions carry equal marks

Bridge Course Exam for B.Sc. Semester I

Time: 1 hour

Max. marks:60

Instructions: -

- (1) There are total 30 Questions
- (2) All questions carry equal marks

A. Cell Structure and Organization

1. Which of the following cell organelles is absent in animal cells and present in a plant cell?

- Cell wall
- Cytoplasm
- Mitochondria
- Ribosomes

2. Which of the following cell organelles is called the powerhouse of the cell?

- Nucleus
- Lysosomes
- Chloroplast
- Mitochondria

3. The liquid material in the nucleus is

- chromosomes
- bacteria
- nucleoplasm
- nucleolus




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DEPARTMENT OF ZOOLOGY
BRIDGE COURSE
TIME TABLE
SESSION 2023-24

SN.	DATE	TIME	NAME OF THE TACHER
1.	10/08/24	Thursday	Dr. Pinky Sonarghare
2.	11/08/24	Friday	Dr. Milind Shinkhede
3.	12/08/24	Saturday	Dr. Kavita Apkaje
4.	14/08/24	Monday	Dr. Zeenat Kashmiri
5.	17/08/24	Thursday	Dr. Ragini Marganwar
6.	18/08/24	Friday	Dr. Yogesh Bhute
7.	19/08/24	Saturday	Dr. Kavita Apkaje




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DEPARTMENT OF MICROBIOLOGY

Session 2023-24

BRIDGE COURSE REPORT-Bridge course is schedule for filling up the gap for newcomer students when they are admitted to some new course. The bridge course is also conducted to assess the students in the beginning of the course Bridge course was conducted for B.Sc Sem I students in session 2023-24 for the duration from 3 August to 23 th August.70 students enrolled in the department



Time table for bridge course B.Sc Sem I Microbiology 2023-2024 (from 8 th August -23 August)




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DEPARTMENT OF MICROBIOLOGY

SESSION 2023-24

SYLLABUS OF BRIDGE COURSE

1. Origin and Evolution of life: Discovery of Micro-organisms, Spontaneous generation and various terms used in microbiology
2. Organization of Cells – Various cell organelles and their functions
3. Chromosomal basis of Inheritance – Mendelian inheritance, Deviation from Mendelian ratio
4. Genomics and Genetic Engineering - DNA as Genetic material, modern concept of gene, Gene expression, RNA-structure, types and function,
5. Biochemistry of cells – various pathways in cell, Protein synthesis
6. Biotechnology - Process and applications
7. Microbes in human welfare – Environmentally important microorganisms and their role in Carbon , Nitrogen , Phosphorus, Sulphur cycle
8. Human health and communicable diseases – pathogenic and non-pathogenic micro-organisms, human hygiene
9. Control of Communicable diseases




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DEPARTMENT OF BIOCHEMISTRY

B.Sc semester I(Biochemistry) session 2023-2024

(Bridge course)

Question Paper

1. Amino acids are building blocks for.

- (a) **Proteins**
- (b) Nucleic acid
- (c) Carbohydrates
- (d) Proteins

2. Adenine pairs with__

- (a) Adenine
- (b) **Thymine**
- (c) Cytosine
- (d) Guanine

3. Nucleoside mono phosphate contains _____phosphate moiety

- (a) **one**
- (b) Two
- (c) Three




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(d) Four

4. Which of the following are the major functions of Carbohydrates?

- (a) Storage
- (b) Structural framework
- (c) Transport Materia
- (d) Both Storage and structural framewo

DEPARTMENT OF COMMERCE

SYLLABUS OF BRIDGE COURSE

Subject 1: Basics of Accounting

Chapter 1:-Meaning of Accounting and Accounting terminologies.

Chapter 2:-Meaning and fundamentals of double entry book-keeping.

Chapter 3:-Classification of accounts.

Chapter 4:-Meaning of Debit and Credit

Chapter 5:-Basic rules of debit and credit for different accounts.

Chapter 6:-Books of Accounts.

Chapter 7:-Meaning of Journal, Specimen of journal, Journalizing, Problems on journal entr

Subject 2:-Introduction to Economics

Chapter 1. Introduction to Micro and Macro Economics

Chapter2. Consumers behavior

Chapter 3. Demand

a. Analysis of Demand

b. Elasticity of Demand

6. Factors of Production.

Subject 3:-Introduction to Business Law

Chapter 1:- Law of Contract :An overview




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Chapter 2:- Sale of Goods Act: An overview

Chapter 3:- The Negotiable Instrument Act An overview

Chapter 4:- The Companies Act, An overview

Chapter 5:- Consumer Protection Act, An overview

Subject 4:- Basics of Business Organisation & Management

Chapter 1:- Meaning and definition , Features of business organization & management.

Chapter 2:- Nature of business management; Management as an Art ; Management as a Science ; Management as a Profession

DEPARTMENT OF COMMERCE

BRIDGE COURSE PAPER 2023-24

B COM SEM I

NOTE:1. All questions are compulsory.

2. All questions carry equal marks.

Q1. Accounting provides data or information on

- A) Income and cost for the managers
- B) Financial conditions of the institutions
- C) Company's tax liability for a particular year
- D) All the above

Q1. लेखांकन डेटा या जानकारी प्रदान करता है

- ए) प्रबंधकों के लिए आय और लागत
- बी) संस्थानों की वित्तीय स्थिति
- सी) किसी विशेष वर्ष के लिए कंपनी की कर देयता
- डी) उपरोक्त सभी

Q2 The assets that can be easily converted into cash within a short period, i.e., 1 year or less are known as

- A) Current assets
- B) Fixed assets
- C) Intangible assets




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D) Investments

वे संपत्तियां जिन्हें आसानी से एक छोटी अवधि के भीतर, यानी 1 वर्ष या उससे कम समय में नकदी में परिवर्तित किया जा सकता है, के रूप में जाना जाता है

ए) वर्तमान संपत्ति

बी) अचल संपत्ति

सी) अमूर्त संपत्ति

डी) निवेश

DEPARTMENT OF BIOTECHNOLOGY

B.Sc semester I(Biotechnology) session 2023-2024

(Bridge course)

Question Paper

- Galactose and Mannose are two isomeric monosaccharides, which are
 - (a) Enantiomers (b) Epimers
 - (c) Anomers (d) Diastereoisomers
- All the following compounds are Intermediate of the citric acid cycle except
 - (a) Isocitrate (b) Malate
 - (b) Pyruvate (d) Succinate
- Amino acids considered nonessential for humans are:
 - (a) those not incorporated into protein.
 - (b) not necessary in the diet if sufficient amounts of precursors are present.
 - (c) the same for adults as for children.
 - (d) generally not provided by the ordinary diet
- Cellular respiration is an example of
 - (a) an anabolic pathway. (b) a catabolic pathway.




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(b) bioenergetics. (d) thermodynamics

5. Which of the following statements regarding a double-helical molecule of DNA is true?
- All hydroxyl groups of pentoses are involved in linkages
 - Bases are perpendicular to the axis
 - Each strand is identical
 - Each strand has parallel, 5' to 3' direction

DEPARTMENT OF CHEMISTRY

Session 2023-24

Bridge Course Syllabus

Unit – I

Atomic structure, Dalton model, Thomson's model, Rutherford model, Electric Configurations, Examples.

Unit – II

Periodic table and periodic properties, Ionic bond, Covalent bond, Metallic bond.

Unit – III

Hydrocarbons, Types of organic reactions, Addition reaction, Substitution reaction, Elimination reaction, Carbocation, Carbanion, Functional groups.

Unit – IV

System, surrounding, Types of system, Reversible process, Irreversible process, Gas Laws, Rate of reaction, Order, Molecularity.




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Dada Ramchand Bakhru Sindhu Mahavidyalaya

Panchpaoli Nagpur

Department of Management

Syllabus

Bridge course(2023-24)

Topic 1 Nature, function, definition and importance of commerce, Definition, nature, purpose and scope of commerce, Development of commerce Thought.

Topic 2 Nature and fundamental concepts and basis techniques of Business economics

Topic 3 Comprehensions, Enriching Vocabulary, Single Word For a Group of Words, Words Frequently Misspell.

Topic 4 Introduction of Management, Nature, functions, definitions and importance of Management.

Topic 5 Meaning, Scope and importance of Financial Accounting. Financial Accounting - concepts and conventions, classification of accounts, Rules and principles governing Double Entry Book-keeping system. Accounting Books & Record - Meaning, Preparation of Journal, and Ledger & Trial balance.




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Contact Hours




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DADA RAMCHAND BAKHRU SINDHU MAHAVIDYALAYA **DEPARTMENT OF MICROBIOLOGY**

Contact Hours and Helpline Numbers

Department Email - : drbsmvmicrobiology@gmail.com



Dr (Mrs) SUJATA A. MANKAR
Assistant Professor & Head
Mobile +919881084246
Email: sujataabhi09@gmail.com



Dr (Mrs) ANITA M. CHANDAK
Assistant Professor
Mobile : +919822731866
Email: anitamchandak@gmail.com

- **Students are advised to contact teacher to solve their difficulties**
- **Students are advised to seek any helpline numbers at convenient timings.**
- **Convenient timing 10: 00a.m upto 6:00p.m**

In case of syllabus based difficulties in Microbiology, students can contact the concerned teacher for appointment

Students are advised to seek any helpline numbers at convenient timings. (odd hours to be avoided) Convenient timing 8.00a.m upto 9.00p.m |

DEPARTMENT OF BIOCHEMISTRY

Contact Hours




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Session- 2023-2024



Dr. Rahul L. Meshram

Assistant Professor and Head

Mobile No:9860775614 Email: drbsmvbiochemistry@gmail.com



Dr. (Mrs) Damini R. Motwani Assistant Professor

Mobile No: 9970999562

Email: daminimotwani7@gmail.com

DEPARTMENT OF MICROBIOLOGY

Session 2023-24




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Mentor Mentees Interaction

The Mentor-Mentee meet was organized in the Department of Microbiology

Queries of the mentee were discussed regarding their curriculum, Practical, Assignments, personal issues, RTMNU exam time tables. Mentees were made aware of importance of assignment submission and regular attendance, classes for First second year and final year students. For slow-learners were suggested to follow the time table for studies to do good in university examinations. Career Development planning and academic progress to achieve better placements was discussed with Final year students of the department. The mentees expressed satisfaction over the department efforts and activities carried out during the academic session. During the meeting, Dr. Sujata Mankar, Dr Anita Chandak were present.



DEPARTMENT OF COMMERCE




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Mentor- Mentee

Session 2023-24

B.Com.

Sr. No.	Name of the Teacher Mentee	No. of Students
1.	Dr. Satish V. Tewani	50
2.	Dr. Ghanshyam G. Rughwani	62
3.	Dr. Mahendra L. Vanjari	62
4.	Dr. Mukesh H. Kaushik	62
5.	Dr. Anushree Mahajan	62
6.	Dr. Jayant Walke	50
7.	Dr. Rashi Vaswani	50
8.	Dr. Sapna Tiwari	48
9.	Dr. Amit S. Nanwani	54
10.	Dr. Bhavana Kaushik	54
11.	Dr. Richa K. Kalyani	54
12.	Dr. Kamalkishor Gupta	54
13.	Dr. Suman Keswani	54
14.	Dr. Rizwan Khan	55

A. A. Qureshi
(A.A. Qureshi)
Program Coordinator

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Panchpaoli Nagpur



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Department of Management

MENTOR MENTEE PROGRAM 2023-24

Mentoring has been defined as the process by which one person, usually of superior rank and outstanding achievement, guides the development of an entry level individual, seen as the protégé or the mentee. Mentoring is the process of caring an individual who provides a young person with support, advice, friendship, reinforcement and constructive role-modeling over time. Mentoring is about building relationships.

Activities under Mentor-Mentee Program under DRB, SMV

First of all, all the students of Management Department have been equally divided and individual faculty member have been allotted the equal numbers of students. Each faculty is a **Mentor** and students under each faculty are **Mentees**.

Various activities have been conducted under mentor mentee program during the academic year 2023-24. Following are the activities carried out on regular basis:

1. A regular meeting is carried out in every 15 days. The main objective of these meetings is to discuss and solve the issues faced by the mentees personally, financially, and academically.
2. There is a leader under each mentor mentee group who takes regular attendance of members of their respective group and keep in records the agenda discussed in previous meeting.
3. Individual Mentor try to inculcate reading habits among the mentees and the general books apart from academic.
4. Every first lecture of the day is the activity lecture in which mentees under a single mentor perform some management activities guided by their respective Mentor. each group perform the activities for a week.
5. Various other activities apart from the regular activities conducted for the betterment of mentees.

Parent-Teacher Meet

DEPARTMENT OF MICROBIOLOGY

Parent-Teacher Meet (2023-24)




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Parents teacher meet was organized by department of microbiology on 7/10/23 at 11a.m. to 1.00p.m for B.sc I, II and III year(MBBC and MBBT) students of microbiology. 38 parents along with there wards attended the meet. Parents were welcomed and informed about the Result tentative exam schedule of practical and theory exam. University exam, Term exam and Unit test related queries were discussed with the student along with parents. Parents were also informed about the progress of their child. Afterwards a questioning session was conducted were queries of each parent were answered. Dr. Sujata Mankar Head, Department of microbiology, explained the need and vision behind the interaction. She also made parents aware of conduction of exam in offline pattern and need of writing practice for students

Teachers discuss various issues of students for their progress in studies and over all development of student. Parents assured the teacher that they will cooperate the teachers in overall development of students. Dr (Mrs)Sujata Mankar Dr.(Mrs) A.M.Chandak ,Dr Rahul Meshram and Dr Damini Motwani were present.



DEPARTMENT OF MICROBIOLOGY

Parent-Teacher Meet (2023-24)




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Parents teacher meet was organized by department of microbiology on 22/3/24 (Friday) at 11a.m. to 1.00 p.m for B.sc I, II and III year (MBBC and MBBT) students of microbiology. 39 parents along with their wards attended the meet. Parents were welcomed and informed about the Result tentative exam schedule of practical and theory exam. University exam, Term exam and Unit test related queries were discussed with the student along with parents. Parents were also informed about the progress of their child. Afterwards a questioning session was conducted were queries of each parent were answered. Dr.Sujata Mankar Head, Department of microbiology, explained the need and vision behind the interaction. She also made parents aware of conduction of exam in offline pattern and need of writing practice for students

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Parents with their ward at Parent-teacher Meet

DEPARTMENT OF MATHEMATICS




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Session 2023-2024

Parent teacher meeting

The parent teacher meeting of Department of mathematics was held on 2st September 2023 at 11.00 am. Parents were welcomed and informed about the curriculum plans of the department. Afterwards a questioning session was conducted and queries of parents were answered. Parents were notified about the future events and courses that would be taking place in department of Mathematics. Teachers discussed various issues of students related to their progress in studies and overall development of students.



DEPARTMENT OF COMMERCE

Report on "Parents Teacher Meet"




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2023-2024

With an objective to interact with parents and discuss with them the issues and concerns of the students regarding the regular classes, forthcoming theory exams, activities and programs conducted in the college, various cells working for the students in the college and so on, Commerce Enhancement Cell organized a Parents Teacher Meet for B. Com Sem I, III and V.

Date & Time: 25/10/2023, 1:00 am

Venue: College Auditorium

Participants: 171 parents

Dr. S.V. Tewani, Vice Principal addressed the parents regarding the attendance, classes, and various training programs in the college. Dr. A.J. Thadani, Vice Principal informed the parents about the various cells, academic and extra - curricular activities in the college.

All the class teachers interacted with the respective parents and students.

Prominently present on the occasion were all the faculties of Department of Commerce.



DEPARTMENT OF CHEMISTRY




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A parent teacher meet was organized to connect the parents with the academic and the overall progress of their wards on 22nd March, 2024. The teachers of the department discussed various issues regarding the attendance, sincerity, career options, etc. Many suggestions and feedback from the parents were noted for the betterment of their wards and development of the department.



DEPARTMENT OF COMMERCE

Report on "Seminar on Stress Management"




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2023-2024

Resource Person: Mansi Sahajramani

Designation: Motivational Speaker, Happiness Life Coach & Spiritual Healer

Date & Time: 12/10/2023, 11:00 am

Venue: College Auditorium

Participants: 97 students and 10 Faculties

With an objective to understand the effects of stress and adopting effective stress management techniques, which would help to enhance students' physical and mental well-being, Commerce Enhancement Cell organized a seminar on Stress Management.

The guest was welcomed by Dr. S.V. Tewani, Vice Principal, who also gave the introductory speech.

The guest told the students that stress is the body's natural response to various challenges, both physical and emotional.



DEPARTMENT OF MANAGEMENT

PARENTS TEACHERS MEETING 2023-24(EVEN SEM)




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Sindhu Mahavidyalaya, Nagpur-17



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Date: 13-03-2024

Time: 8:00am-10:00am

Incharge: Dr. A G Thadani

Supporting Staff: Teaching Staff members of the Department

Dada Ramchand Bakhru Sindhu Mahavidyalaya, Department of Management has organized PTM for the students of BBA. The purpose of the meeting was to interact with parents and discuss with them the issues and concerns of the students regarding online classes, forthcoming exams and so on. The program was started offline with compulsory social distance and mask, with formal introduction by Ms Poorvi Tiwari and Dr A G Thadani In-Charge, Department of Management has taken over the charge of interaction with parents. Sir has elaborated about overall departmental activities, students' achievements, Industrial visits, placement Training Program and Certificate courses for the students carried out in the session 2023-24. The program also included the question hour session with parents and all the queries were answered satisfactorily.

The teaching faculty members of BBA Mr Pranay Wankhede, Dr Trupti Sakhare, Ms Poorvi Tiwari were prominently present and worked hard for the success of the program.



DEPARTMENT OF MANAGEMENT




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PARENTS TEACHERS MEETING 2023-24(ODD SEM)

Date: 25-10-2023

Time: 08:00-10:00am

Incharge: Dr. A G Thadani

Supporting Staff: Teaching Staff members of the Deapartment.

Dada Ramchand Bakhru Sindhu Mahavidyalaya, Department of Management has organized PTM for the students of BBA. The purpose of the meeting was to interact with parents and discuss with them the issues and concerns of the students regarding online classes, forth coming exams and so on. The program was started offline with compulsory social distance and mask, with formal introduction by Ms Poorvi Tiwari and Dr A G Thadani In-Charge, Department of Management has taken over the charge of interaction with parents. Sir has elaborated about overall departmental activities, students' achievements, Industrial visits, placement Training Program and Certificate courses for the students carried out in the session 2023-24. The program also included the question hour session with parents and all the queries were answered satisfactorily.

The teaching faculty members of BBA Mr Pranay Wankhede, Dr Trupti Sakhare, Ms Poorvi Tiwari were prominently present and worked hard for the success of the program.



Remidial Classes




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DEPARTMENT OF ZOOLOGY

Remedial Classes Time Table

Guest Lectures

Date	DAY	TIME	Semester II	Semester IV	Semester VI
4/03/24	MON	10.00AM.-11.00AM	Dr. Y. V. Bhute	Dr. R. K. Marganwar	Dr. P. C. Sonarghare
5/03/24	TUE	10.00AM.-11.00AM	Dr. P. C. Sonarghare	Dr. M.M. Shinkhede	Dr. K. R. Apkaje
6/03/24	WED	3.00PM.-4.00PM	Dr. P. C. Sonarghare	Dr. M.M. Shinkhede	Dr. K. R. Apkaje
7/03/24	THU	10.00AM.-11.00AM	Dr. K. R. Apkaje	Dr. Z. N.kashmiri	Dr. R. K. Marganwar
8/02/24	FRI	10.00AM.-11.00AM	Dr. R. K. Marganwar	Dr. Y. V. Bhute	Dr. M.M. Shinkhede
9/02/24	SAT	10.00AM.-11.00AM	Dr. M.M. Shinkhede	Dr. P. C. Sonarghare	Dr. Z. N.kashmiri
11/03/24	MON	10.00AM.-11.00AM	Dr. Y. V. Bhute	Dr. R. K. Marganwar	Dr. P. C. Sonarghare
12/03/24	TUE	10.00AM.-11.00AM	Dr. P. C. Sonarghare	Dr. M.M. Shinkhede	Dr. K. R. Apkaje
13/03/24	WED	10.00AM.-11.00AM	Dr. K. R. Apkaje	Dr. Z. N.kashmiri	Dr. R. K. Marganwar
14/03/24	THU	10.00AM.-11.00AM	Dr. R. K. Marganwar	Dr. Y. V. Bhute	Dr. M.M. Shinkhede
15/03/24	FRI	10.00AM.-11.00AM	Dr. M.M. Shinkhede	Dr. P. C. Sonarghare	Dr. Z. N.kashmiri
16/03/24	SAT	10.00AM.-11.00AM	Dr. Z. N.kashmiri	Dr. Kavita Apkaje	Dr. Y. V. Bhute
18/03/24	MON	10.00AM.-11.00AM	Dr. Y. V. Bhute	Dr. R. K. Marganwar	Dr. P. C. Sonarghare
19/03/24	TUE	10.00AM.-11.00AM	Dr. Y. V. Bhute	Dr. R. K. Marganwar	Dr. P. C. Sonarghare
20/03/24	WED	10.00AM.-11.00AM	Dr. P. C. Sonarghare	Dr. M.M. Shinkhede	Dr. K. R. Apkaje
21/03/24	THU	10.00AM.-11.00AM	Dr. K. R. Apkaje	Dr. Z. N.kashmiri	Dr. R. K. Marganwar
22/03/24	FRI	10.00AM.-11.00AM	Dr. R. K. Marganwar	Dr. Y. V. Bhute	Dr. M.M. Shinkhede
23/03/24	SAT	10.00AM.-11.00AM	Dr. M.M. Shinkhede	Dr. P. C. Sonarghare	Dr. Z. N.kashmiri
25/03/24	MON	10.00AM.-11.00AM	Dr. Z. N.kashmiri	Dr. Kavita Apkaje	Dr. Y. V. Bhute
27/03/24	TUE	10.00AM.-11.00AM	Dr. Y. V. Bhute	Dr. R. K. Marganwar	Dr. P. C. Sonarghare
28/03/24	THU	10.00AM.-11.00AM	Dr. P. C. Sonarghare	Dr. M.M. Shinkhede	Dr. K. R. Apkaje
29/03/24	FRI	10.00AM.-11.00AM	Dr. K. R. Apkaje	Dr. Z. N.kashmiri	Dr. R. K. Marganwar
30/03/24	SAT	10.00AM.-11.00AM	Dr. R. K. Marganwar	Dr. Y. V. Bhute	Dr. M.M. Shinkhede




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DEPARTMENT OF MICROBIOLOGY

Guest lecture on "Career as patent agent"

Date: 11 January 24

Time: 1. 30 p.m

Recourse person: Dr. Ruchika Bajaj

Guest lecture on "Career as patent agent" was organized by Department of Microbiology on 011/01/2024. invited guest Dr Ruchika Bajaj delivered a talk on career opportunity as patent agent. She also explained about IPR. Effective study techniques and resources for preparing for the examination. Recommended books, study materials, and online resources. Guidance on creating a study schedule and setting realistic goals. Student interaction session was also organized during the lecture. faculty of Department of Microbiology Dr. S.A.Mankar, Dr. A.M.Chandak, Ms Ritika Asrani and students were present.



DEPARTMENT OF ZOOLOGY




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An Interactive Session on the occasion of Big Butterfly Month Celebration: By Mr. Shubham Chapekar, Naturalist
on 16th September 2023.



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Wildlife Week: Scientific Talk on The Topic Wildlife Conservation by Mr. Chetan Panday (Biologist at Gravity Academy) on 7th October 2023.



DEPARTMENT OF BIOTECHNOLOGY




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Guest Lecture organized for future in Forensics: A Career Counselling session

A career counselling session was held by Mr. Yogesh Ghoghare, Assistant Professor, Department of Forensic Chemistry, Government Institute of Forensic Science, Nagpur on 12 April 2024. In this session, students got aware of the different career opportunities in the field of Forensic as a future career. Student interacted with him and cleared their doubt. It was really a great talk that enlightened students for better career opportunities in future after graduation.



DEPARTMENT OF MATHEMATICS




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Department of Mathematics DRB Sindhu Mahavidyalaya, Nagpur has organised a guest lecture of Shri. Abhishek Acharya, Director DIZWIZ under the banner of Ramanujan Mathematical Society on the occasion of International Mathematics Day on 23rd March 2024 at 11:00 am in the Auditorium on the topic "Career in Animation" for our B.Sc. (I, II & III) mathematics students.

About 120 students attended the lecture and got benefitted by the expertise of Shri. Abhishek Acharya sir on the topic. Ku. Muskan Quadri students of B. Sc. III year conducted the program. Dr. A. A. Qureshi sir introduced the guest and Ku. Fauziya Sheikh student of B.Sc. I year proposed the vote of thanks.

The main objectives of the guest lectures were to familiarize students with the diverse career opportunities available in the animation industry. To provide insights into the skills, qualifications required to succeed in animation related professions. To inspire and motivate students to explore their passion for animation and consider it as a viable career option.



DEPARTMENT OF CHEMISTRY




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Installation of Chemical Society and Guest Lecture

The Department of Chemistry, Dada Ramchand Bakhru Sindhu Mahavidyalaya, Panchpaoli, Nagpur successfully installed the Chemical Society on 12th September, 2023 for the session 2023-2024. Dr. W.B. Gurnule, Professor and Head, Department of Chemistry, Kamla Nehru Mahavidyalaya graced the function as a chief guest. Dr. W. B. Gurnule delivered his lecture on the topic “Advanced Functional Nanomaterials”




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DEPARTMENT OF CHEMISTRY

Guest Lecture & Poster Competition on 'World Water Day

The Chemical Society and the Department of Chemistry, in collaboration with the Innovation & Incubation Cell organized the Poster Competition on 'World Water Day' on 22nd March, 2024. The event began with a guest lecture by the Guest Dr. Ritesh Singh, Senior Chemist, Thermal Power Plant, Khaperkheda on **Sustainable Water Treatment Methods**. The event was followed by a poster competition.



Educational Tour




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DEPARTMENT OF CHEMISTRY

Educational Visit to Atomic Minerals Directorate

An educational visit on the eve of National Science Day was arranged for the B.Sc. and M.Sc. Students to Atomic Minerals Directorate, Nagpur on 28th February 2024. Students saw many live models, attended the exhibitions and visited A.M.D. museum. They observed some raw minerals and ores. Also, the career opportunities in A.M.D. relevant to chemistry subject were highlighted to the students.

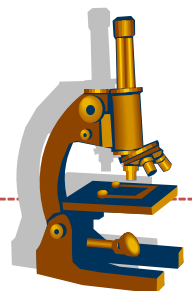


DEPARTMENT OF MICROBIOLOGY

Date : 25/10/23




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Number of Beneficiaries : 40

Venue :Central India Institute of Haematology and Oncology

BLOOD BANK VISIT

A visit to, **Central India Institute of Haematology and Oncology** Nagpur was organized on 25/10/23. Mr Akash Dhandare Incharge blood bank and his colleagues gave information about storage ,equipments used , , information about blood , Information about Blood Donation , Procedure about Blood Donation , How Blood Is donated to the person , product packing , separation of blood products , labelling , demotions , colours used of denotations. They learn how a single unit of whole blood can be separated in 3 different components such as PLASMA, PLATLET, and conc. RBC and can save 3 lives. The students asked questions/queries to the guides and they answered all of them. The students were very happy after this visit and they got ample knowledge about Blood banking and the guidelines given by them are really very important for their future He also explained the role of microbiologist in the blood bank.

ELISA technique was explained to the students and handling of equipment was taught to the students 35 Students of B.Sc V semester along with , Dr Sujata Mankar and Dr Anita Chandak were present



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DEPARTMENT OF MICROBIOLOGY

Date :02/03/2024




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Number of Beneficiaries: 58

Time: 9.30 to 5.30

INDUSTRIAL VISIT TO DINSHAWS FACTORY

A visit to, **Dinshaws factory**, Butibori was organized by department of microbiology on 2/3/24. During the visit the students were made aware of production of ice- cream, Manufacturing of ice- cream, Storage of ice-cream, packing, transport and dispatch of ice-cream. All the students got knowledge of Production and quality maintenance in the icecream factory

H. R of the company also address the students and also gave the information of job opportunities in the factory after completion of their graduation.

Dr Sujata Mankar, Dr Anita Chandak, and supporting staff Mr Ramesh Madnani accompanied the students during the visit.



Dinshaw's Factory

Chandigarh (BADDI) HIMACHAL PRADESH

STEELBIRD HELMETS (GLL) MANUFACTURING




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The aim of the visit is to orient the students' eye witnessing the actual working and operations of the companies.

Date: 26/03/2024

Time: 01.30 am

Department of Management (BBA), Dada Ramchand Bakhru Sindhu Mahavidyalaya On 26th March 2024, the students of BBA under the umbrella of Industrial Visit recently visited to Steelbird Helmets Pvt Ltd through GLL Manufacturers Chandigarh, Baddi. Around 36 students along with the Teachers and Non-Teaching staff members' have visited the company. We reached the premises around 01:30am. The students were gathered and given instructions about the safety measures to be followed during the visit inside the company, their products and by products. The instructor divided the students into groups and guided them accordingly. The students were told each and every detail of how the raw material for production of Helmets (Granules) is being processed and also how it undergoes the processing through machineries. Further the actual processing of raw material in machines step by step and the assembly line production, coloring sections and the safety testing of helmets was also being shown to the students.



TRUFORM Techno Products Pvt Ltd.

Date: 31/10/2023

Time: 10.00 am



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Place of Visit: Truform Techno Products Pvt Ltd, Kamptee, Nagpur

Department of Management (BBA), Dada Ramchand Bakhru Sindhu Mahavidyalaya On 10th October 2023, the students of BBA under the umbrella of Industrial Visit recently visited TRUFORM Techno Products Pvt Ltd Nagpur.

Around 75 students along with the Teachers and Non-Teaching staff members' have visited the company. We reached the premises around 1.30pm. Walking down the corridors the staff has welcomed everyone warmly. This was the out of classroom learning activity. The students were gathered and given instructions about the safety measures to be followed during the visit inside the company, their products and by products. The instructor divided the students into groups and guided them accordingly. The students carefully watched the entire structure and system right from designing, molding, shaping, painting and dispatched. The Export section of this firm was a great attraction to the students. The visit was full of information and practical knowledge was gained by the students. The teaching members Dr A G Thadani Incharge, Dr M H Kaushik, Dr Pranay Wankhede, Dr Trupti Sakhare, Ms Poorvi Tiwari and the non-Teaching Staff members have worked hard for the success of the program.



DEPARTMENT OF MANAGEMENT

Chandigarh (BADDI)

Birla Textile Mills




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The aim of the visit is to orient the students' eye witnessing the actual working and operations of the companies.

Date: 26/03/2024

Time: 10.00 am

Department of Management (BBA), Dada Ramchand Bakhru Sindhu Mahavidyalaya On 26th March 2024, the students of BBA under the umbrella of Industrial Visit recently visited to Birla Textile Mills Chandigarh, Baddi. Around 36 students along with the Teachers and Non-Teaching staff members' have visited the company. We reached the premises around 10am. Walking down the corridors the staff has welcomed everyone warmly. This was the out of classroom learning activity. The students were gathered and given instructions about the safety measures to be followed during the visit inside the company, their products and by products. The instructor divided the students into groups and guided them accordingly. . The visit was full of information and practical knowledge was gained by the students. The teaching members Dr M H Kaushik, Industrial Visit Incharge, Dr Trupti Sakhare, Ms Poorvi Tiwari and the non-Teaching Staff members have worked hard for the success



DEPARTMENT OF BIOCHEMISTRY

Date:06/10/2023




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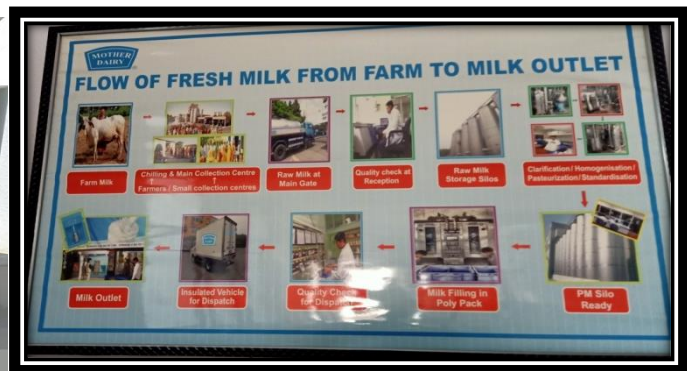
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Report of Industrial Visit

Department of Biochemistry, Dada Ramchand Bakhru Sindhu Mahavidyalaya, has organized a Industrial visit to Mother Dairy, on 6th October 2023. Total number of students for tour were 33. Two teaching faculty Dr.R. L. Meshram and Dr.D.R Motwani were also present for tour. Timing for industrial visit was from 11.00pm to 3.00pm.

MDFVPL refurbished Nagpur dairy plant, handed over by Government of Maharashtra (GoM) for its operations & management. During 2018-19, Mother Dairy procured 2.22 L kg of milk per day from about 52,000 producer members in 2,246 villages.

Milk received from the farmers of the Vidarbha and Marathwada regions is processed in Nagpur dairy plant and is available for consumers in cities like Nagpur, Amravati, Chandrapur and Wardha through Mother Dairy milk parlours and retail network




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Department of Biochemistry

Date:2/3/2024

Report of Industrial Visit at Dinshaw,s Factory



Department of Biochemistry, Dada Ramchand Bakhru Sindhu Mahavidyalaya, has organized a Industrial visit to Dinshaw's factory, Butibori in collaboration with Department of Microbiology on 2nd March 2024. Total number of students for tour were 58. Three teaching faculty Dr.S.A Mankar. Dr A.M Chandak and Dr.D.R Motwani and two supporting were also present for tour. Timing for industrial visit was from 12.00pm to 2.00pm. All Students enjoyed a lot. Founded in 1932, acknowledged as one of India's leading manufacturer that provides consumers with Ice cream and dairy products of global standards. Since its existence, the Company insists on honesty, integrity and fairness in all aspects of its business.

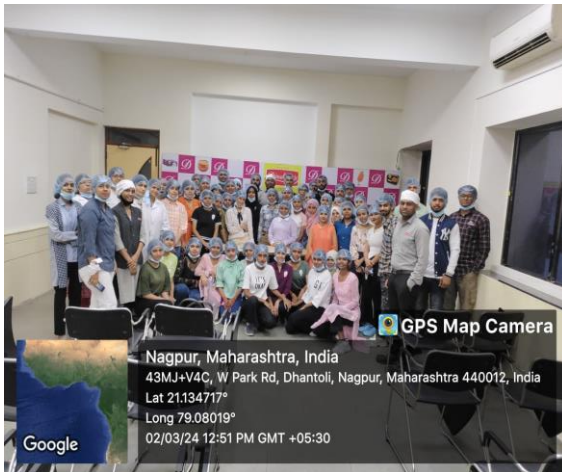



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Department of Biochemistry

Date:28/12/2023

Report of Educational Tour

Department of Biochemistry, Dada Ramchand Bakhru Sindhu Mahavidyalaya, has organized a Educational tour to central institute of cotton research, Nagpur in collaboration with Department of Biotechnology on 28th December 2023. Total number of students for tour were 28. Three teaching faculty Dr.S.P.Bagchandani, Dr.D.R Motwani and Ms.Rita Pawade were also present for tour. Timing for tour was from 12.00pm to 5.00pm. Crop improvement, Crop production, Mission and externally funded Research, etc are some of the special features of CICR.

Development of transgenic cotton varieties for sustainable bollworm management using available deregulated and non-deregulated indigenous new events available from Indian Research Institutions. Bt cotton technology was developed as an alternate strategy to the previously used hazardous insecticides to circumvent bollworm problem in cotton. Students of our college learned new technology in agriculture, of spraying pesticides by drone, there are always questions regarding its suitability, reliability, durability, and of course return on investment. The case is not any different for spray drones either. To some the technology is even so exciting that there have been multiple queries about how to get into a spray drone business and offer custom spray applications/services to growers. While spray drones are not completely new to agriculture, the recent improvements in technology capabilities as well as the availability of different commercial platforms have increased interest in this technology for aerial pesticide applications. All Students enjoyed a lot.

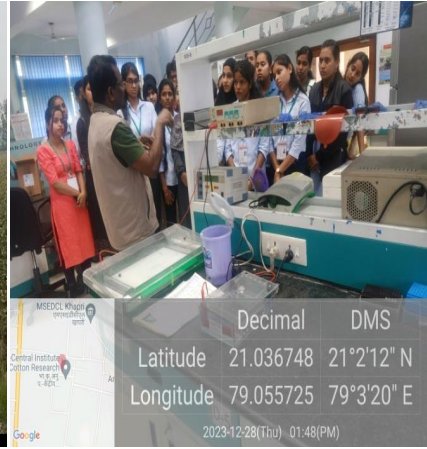



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Certificate Course

DEPARTMENT OF BIOTECHNOLOGY CERTIFICATE COURSE IN RESIN ART MAKING SESSION 2023-24

To train girls students' for self-employment, department of Biotechnology started a short term course on resin art along with Zoology department. Main objective of the course "Resin Art Making" is to enlighten students about various basic techniques of resin art so that they can apply these techniques for their future small scale business. It was the first year of resin art making and students made beautiful resin Rakhis and sold most of these attractive rakhis in Resin Rakhi mela on 28th and 29th August 2023 in Quadrangle, college premises.




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DEPARTMENT OF MICROBIOLOGY

CERTIFICATE COURSE BIOFERTILIZER

SESSION 2023-24

Certificate course was conducted in department of microbiology in session 2023-2024 by co-ordinator Dr Sujata Mankar 41 students of B.Sc I year were enrolled for this course. This course provides knowledge about how to increase soil fertility using microorganisms and based on integrated organic approach over chemical fertilizer and good self employment technique. Student were get to know the different type of fertilizers, their advantages and disadvantages and when to apply them in your home garden. Using organic fertilizer along with Macronutrients and micronutrients are essential for plant growth. The objectives of using organic fertilizer are promoting crop growth, improving soil, and preventing and controlling crop diseases



Mankar delivered the



Sujata

Guest Lecture by Ms. Anjali Manchandani

Introductory lecture to the enrolled students




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DEPARTMENT OF MICROBIOLOGY

CERTIFICATE COURSE FOOD SAFETY AND QUALITY MANAGEMENT (SESSION 2023-2024)

Certificate course was conducted in department of microbiology by Dr Anita Chandak in session 2023-24 for B.Sc second year students on food safety and quality management for To impart students with basic knowledge relating to food safety and principles of preservation To familiarize students with food safety for employment in food industry. Total 25 students (B.Sc Sem III/ VI) enrolled in the course .

DEPARTMENT OF MICROBIOLOGY



Dr Lecture delivered by Anita Chandak




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DEPARTMENT OF MICROBIOLOGY



Guest lecture by Ms Noopur Deshmukh and Ms .Sonali Kumarwar



CERTIFICATE DISTRIBUTION




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DEPARTMENT OF MICROBIOLOGY

NATIONAL LITERACY MISSION MICROBIOLOGY AWARENESS PROGRAM



National Literacy Mission Microbiology Awareness Program 2023-24 was organized by MicroGenius student Unit of college & Department of microbiology, Dada Ramchand Bakhru Sindhu Mahavidyalaya, Nagpur in Collaboration with Microbiology society of India. The program was organized to inculcate the knowledge of microbiology among the students of Shri Mohandas Rughwani Boys High School and SCS Girls School, Panchpaol. The students were also made aware of its importance and various career opportunities in the subject.

Member of MicroGenius student Unit of college and Microbiology society of India, Mr Kunal Kose, Ms Kashish Bikhani, Ms. Pratiksha Tote, Neetu Shukla, Ms. Diya Daryani, Antara Agrawal, Noori Parveen, Ms. Mrinmayi Ukay, Ms. Nidhi D. Ukay, etc. worked hard for organisation and success of program along with Dr. Sujata Mankar and Dr Anita Chandak In-charge Student unit Explained the student about importance of microbiology in day to day life and

career



opportunities in microbiology.




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DEPARTMENT OF ZOOLOGY



students participated into block making and poster making competition on the occasion of wildlife week 2023.




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DEPARTMENT OF CHEMISTRY

Wall Magazine Competition

A wall magazine competition was organized on the topic of Chemistry in Space and Digital Technology under the banner of Chemical Society for the undergraduate students of the college on 17th October 2023 to inculcate a sense of achievement and pride post the successful Chandrayan 3 mission and also to make them aware of the digital and space technologies involving chemistry. The students of B.Sc. First Year (PCM) won the competition.




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DEPARTMENT OF MICROBIOLOGY

“International Microorganism Day”



On the occasion of “International Microorganism Day” on,16 September 23 Rangoli Competitions was organized by Dada Ramchand Bakhru Sindhu Mahavidyalaya, Panchpaoli, Nagpur in collaboration with Microbiologists Society, India.

On Occasion of International Microorganism day competition was organised for UG Students. of Microbiology on theme "Viral Diseases". Dr. V. M. Pendsey Principal was the Inagurator of the event ,Dr S.V Tewani, Dr M.M Shinkhede, Dr A.G Thandani Vice Principal were present whereas Dr.LeenaChandanani Head department of Languages and Dr. Zeenat Kashmiri Department of Zoology acted as the jury members. Students of participated in the event.

Dr. Sujata Mankar (Head, Department of Microbiology) worked as convenor and Dr. Anita Chandak (In-charge, MSI student Unit) as co-ordinator of the competition. The program was supported and appreciated by the Principal and Management of the institute.




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STUDENT'S ACIEVEMENT

DEPARTMENT OF MICROBIOLOGY

SESSION 2023-24



Achievements of Ms. Mrinmayi Ukay -Sem IV



Ms. Diya Daryani, Ms. Dilpreet & Ms. Mrinmayi Ukay -Sem IV at Tirpude college




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DEPARTMENT OF ZOOLOGY

SESSION 2023-24



Tammana Firdous SEM IV presented of topic of zoology in State level seminar competition in Mohata science college.



Certificate of Tammana in Mohata science college




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Sr. No.	Name of Student	Details of Competition Date	Inter-collegiate	Intra-collegiate	Prize/Participation/ Consolation
1	Vaishnvi Yadav (Bsc sem III)	(4 nd to 6 th October) 2023	Rashtrasant Tukdoji Maharaj Nagpur University, Inter Colligate Selection Quiz Competition	-	Participation
2.	Tahzeen Kausar Ansari (Bsc sem III)	(2 nd to 8 th October) 2023	Intra- collegiate wildlife Cartoon designing/ block making Competition organized by Department of Zoology DRB Sindhu Mahavidyalaya Nagpur.	-	Participation
3.	Vaishnvi Yadav (Bsc sem III)	16 th October 2023	-	Intra- collegiate Quiz Competition organized by Department of Chemistry DRB Sindhu Mahavidyalaya Nagpur.	Participation
4.	Madeeha Afreen (Bsc sem IV)	27 th and 28 th February 2024	Fun Side of Science Joke competition on the occasion of National Science Day in the DRB Sindhu Mahavidyalaya, Nagpur.	-	Consolation Prize
5.	Tamanna Firdous Ansari (Bsc sem IV)	27 th and 28 th February 2024	Brain Rain: Online Quiz competition on the occasion of National Science Day in the DRB Sindhu	-	3 st Prize




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			Mahavidyalaya, Nagpur.		
6.	Tamanna Firdous Ansari (Bsc sem IV)	27 th and 28 th February 2024	Poem competition through poet lens on the occasion of National Science Day in the DRB Sindhu Mahavidyalaya, Nagpur.	-	Participation
7.	Tamanna Firdous Ansari (Bsc sem IV)	27 th and 28 th February 2024	Fun Side of Science Joke competition on the occasion of National Science Day in the DRB Sindhu Mahavidyalaya, Nagpur.	-	Participation
8.	Tamanna Firdous Ansari (Bsc sem. IV)	27 th and 28 th February 2024	Inter collegiate Poster competition on the occasion of National Science Day in the DRB Sindhu Mahavidyalaya		Participation
9.	Jyoti Sighariya (Bsc sem. IV)	27 th and 28 th February 2024	Inter collegiate Poster competition on the occasion of National Science Day in the DRB Sindhu Mahavidyalaya		Participation
10.	Tamanna Firdous Ansari (Bsc sem. IV)	27 th and 28 th February 2024	Inter collegiate story writing competition on the occasion of National Science Day in the DRB Sindhu Mahavidyalaya.		Participation
11.	Ruchi Kawale (Bsc sem. IV)	27 th and 28 th February 2024	Inter collegiate Poster competition on the occasion of	-	Participation




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			National Science Day in the DRB Sindhu Mahavidyalaya		
12.	Bharti Bawankar (Bsc sem. IV)	27 th and 28 th February 2024	Inter collegiate Poster competition on the occasion of National Science Day in the DRB Sindhu Mahavidyalaya	-	Participation
13.	Tamanna Firdous Ansari (Bsc sem IV)	7 th March 2024	State Level Seminar Competition on The Occasion of National Science Day 2024 Organized By Mohta Science College, Nagpur.	-	Participation
14.	Madeeha Afreen (Bsc sem IV)	7 th March 2024	State Level Seminar Competition on The Occasion of National Science Day 2024 Organized By Mohta Science College, Nagpur.	-	Participation




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3rd Prize



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DADA RAMCHAND BAKHRU SINDHU MAHAVIDYALAYA, NAGPUR
INTERNAL QUALITY ASSURANCE CELL
ORGANIZED
INTERCOLLEGIATE COMPETITION
NATIONAL SCIENCE DAY 2024
THEME- INDIGENOUS TECHNOLOGIES FOR VIKSIT BHARAT

CERTIFICATE
This is certify that Ms/Mr. Tamanna Firdous Ansari of D.R.B. Sindhu Mahavidyalaya, Nagpur has participated in Through Poet Lens and bagged - prize in Intercollegiate Competition held at Dada Ramchand Bakhru Sindhu Mahavidyalaya, Nagpur. We extend hearty congratulations and all the best for future.

DR. MILIND SHINKHEDE
CONVENER

DR. YOGESH BHUTE
IQAC COORDINATOR

DR. VISHWAJEET PENDSEY
PRINCIPAL

DADA RAMCHAND BAKHRU SINDHU MAHAVIDYALAYA, NAGPUR
INTERNAL QUALITY ASSURANCE CELL
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INTERCOLLEGIATE COMPETITION
NATIONAL SCIENCE DAY 2024
THEME- INDIGENOUS TECHNOLOGIES FOR VIKSIT BHARAT

CERTIFICATE
This is certify that Ms/Mr. Tamanna Firdous Ansari of D.R.B. Sindhu Mahavidyalaya, Nagpur has participated in Fun Side of Science and bagged - prize in Intercollegiate Competition held at Dada Ramchand Bakhru Sindhu Mahavidyalaya, Nagpur. We extend hearty congratulations and all the best for future.

DR. MILIND SHINKHEDE
CONVENER

DR. YOGESH BHUTE
IQAC COORDINATOR

DR. VISHWAJEET PENDSEY
PRINCIPAL

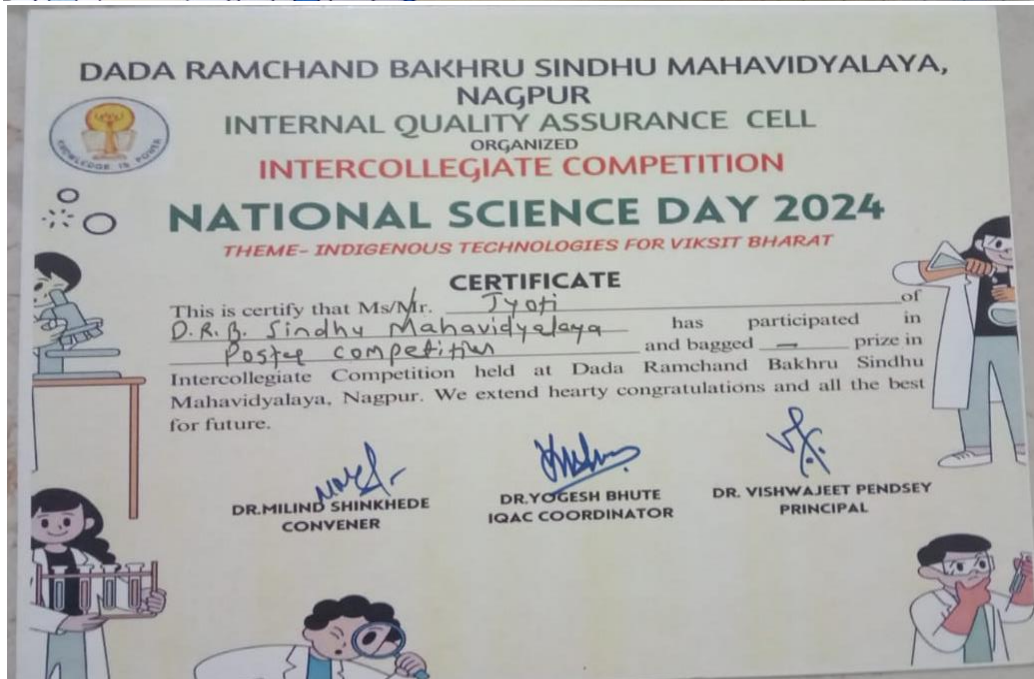



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NATIONAL SCIENCE DAY 2023-24



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DEPARTMENT OF MICROBIOLOGY

Microbiology student's and member of MicroGeniusstudent Unit of college and Microbiology society of India
Participation in Science Exhibition on 28th Feb. 2024 at D.R.B. Sindhu Mahavidhyalaya, Nagpur




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- 1) Microbiology VI students Participation in Inter- University *Scientific Model Competition* On the Theme - Science for a Sustainable Future* On the occasion of National Science Day Exhibition organized by Dept. of Microbiology & Biotechnology, Shri Shivaji , Science College, Nagpur on dated 24th February' 2024




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National Science Day celebrated at D.R.B. Sindhu Mahavidyalaya on 26th to 28th February 2024. In this event M.Sc. students performed some experiments in front of primary standard students to create awareness and interest about chemistry as a subject.



Preparation of models from beads

(Methane, ethane, ethane etc.) –

Models was prepared by B.Sc. First Year (PCM) students from beads in PCM classroom on dated 5th December 2023. The students had successfully completed the activities.




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