



Vinayak Vidnyan Mahavidyalaya, Nandgaon Kh.

Affiliated to Sant Gadge Baba Amravati University, Amravati

NAAC

Criterion-II

Teaching- Learning and Evaluation

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Nandgaon Khandeshwar, Amravati 

2.3.1 Student centric methods, such as experiential learning, participative learning and problem solving methodologies are used for enhancing learning experiences



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VINAYAK VIDNYAN MAHAVIDYALAYA

Nandgaon Khandeshwar, Dist. Amravati

(An Institute run by Pravin Khodke Memorial Trust, Amravati)

Sau. Sulbha Sanjay Khodke
(MLA, Amravati)
President, P.K.M Trust, Amt.

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Dr. Alka Anant Bhise
(Principal)
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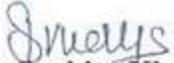
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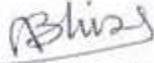
D. 10/11/2023

SELF DECLARATION

This is to certify that, the information, reports, true copies of the supporting documents, numerical data and web links furnished in this file are verified by I.Q.A.C. and head of the Institution and found correct.

Hence this certificate is issued.


Dr. Suchita Khodke
I.Q.A.C. Co-ordinator
Vinayak Vidnyan Mahavidyalaya
Nandgaon Kh.


Dr. Alka A. Bhise
PRINCIPAL
Vinayak Vidnyan Mahavidyalaya,
Nandgaon Khan, Dist. Amravati.



Experiential Learning

i. Laboratory workshop

Zoology

Report on

Workshop on Zoology Laboratory SOP - 2022

Department of Zoology, Vinayak Vidnyan Mahavidyalaya Nandgaon Khandeshwar, organized workshop on **Zoology Practical Standard Operating Procedure 2022** on 10 October 2022. This one day workshop was organized for the B.Sc. 1st year students. The aim of the workshop was to create awareness of the Zoology subject and its practical tools and techniques. In this workshop students were made aware of the use and handling of equipments in zoology laboratory. Dr. Pratibha Mahalle Head of the Department guided the students. In this workshop students learnt the use and care of Microscope, Pipettes, Burette, Test tube, conical flask, Beaker, Watch Glass, and Slides.

Mr. Subodh Bansod, Asst. Prof. Dept of zoology gave the information on future importance and opportunities. Dr. Swapnil Tinkhede, Asst. Prof. Dept of zoology gave the information on Ethics and Morals related to behavior in the laboratory.

Participant students individually performed the basics handling of the instruments. They also observed various types of specimen slides, preserved animal specimen and understood the importance of handling the laboratory equipment.

A large number of students were present at this time. At the end of the program, Dr. Swapnil Tinkhede thanked all. For the success of the program Dr. Pratibha Mahalle, Dr. Gajendrasingh Pachlore, Mr. Subodh Bansod and Dr. Swapnil Tinkhede took efforts.

Pratibha Mahalle
Dr. Pratibha Mahalle
Head, Dept of zoology
Head
Dept. of Zoology
Vinayak Vidnyan Mahavidyalaya
Nandgaon Kh.

Photos



Dr. Pratibha Mahalle, Head Dept of zoology gives the information on lab discipline, behavior and instrumentation



Mr. Subodh Bansod, Asst. Prof. Dept of zoology gives the information on future importance and opportunities.



Dr. Swapnil Tinkhede, Asst. Prof. Dept of zoology gives the information on Ethics and Morals.

Chemistry



VINAYAK VIDYAN MAHAVIDYALAYA, NANDGAON KHANDESHWAR

DEPARTMENT OF CHEMISTRY

ORGANIZED

ONE DAY WORKSHOP ON

"LABORATORY BASED INDUCTION TRAINING"



For the students of B.Sc. Part I Semester I (2022-23)



SARVE DADHE SARVA AMRAVATI UNIVERSITY, AMRAVATI (AFFILIATED)

Pravin Khodke Memorial Trust's Vinayak Vidnyan Mahavidyalaya

Tq. Nandgaon Khandeshwar, Dist. Amravati

Date: 23rd November 2022

Activity Report

Organizing Department	Department of Chemistry
Coordinator	<u>Dr. Kavita P. Kakade, Assistant Professor.</u>
Workshop on	<u>"Laboratory Based Induction Training"</u>
Schedule	<u>28th September 2022</u>
Duration	1 Day
Organized for	BSc Part I Semester I Students.
Session I	<u>Dr. Vinod M. Sherekar, Assistant Professor, Department of Chemistry, Vinayak Vidnyan Mahavidyalaya.</u> <u>Topic: Basic Introduction and Handling of Glassware used in chemistry laboratory</u>
Session II	<u>Mr. Nilesh S. Padole, Head and Assistant Professor, Department of Chemistry, Vinayak Vidnyan Mahavidyalaya.</u> <u>Topic: Basic Introduction of Chemicals used in Chemistry Laboratory</u>
Number of participated students	Forty (40).

Inauguration Ceremony on 28th September 2022

On 28th September 2022, the Department of Chemistry of Vinayak Vidnyan Mahavidyalaya, Nandgaon Khandeshwar had organized a one-day workshop on "Laboratory Based Induction Training" for the students of B.Sc. Part I Semester I (2022-23). The workshop was chaired by respected Dr. Suchita P. Khodke, IQAC Coordinator and Head Department of Botany, Vinayak Vidnyan Mahavidyalaya, Nandgaon Khandeshwar. The workshop was inaugurated by the hands of Dr. Suchita P. Khodke.

The workshop was started by giving the details about the aims and objectives behind the conduction of this workshop for the students of B.Sc. Part I semester I by Dr. Kavita P. Kakade, Coordinator and Assistant Professor, department of Chemistry.

Dr. Suchita P. Khodke in her presidential note, explained the importance of chemicals knowledge and its proper and safe handling while working in chemistry laboratory. She also congratulated department of chemistry for the arrangement of this student centric workshop.



Glimpses of first session on glassware by Dr. Vinod Sherekar

II. Basic Introduction of Chemicals used in Chemistry Laboratory

In the second session of the workshop, Mr. Nilesh S. Padole given information about the different chemicals used in the chemistry laboratory and explained the safety precautions while handling in chemistry laboratory. He specially explained the handling and safety of the liquid chemicals like acid and



Glimpses of second session on Chemicals by Mr. Nilesh Padole

highly inflammable chemicals. He also explained about some procedure should be followed if any mishap happened in the laboratory during practical work.

Ms. Akanksha Waghade student of B.Sc. Part I had expressed vote of thank towards every person involved in arrangement, conduction, and successfulness of this workshop. The workshop was anchored by Ms. Samiksha Chore student of Bsc Part I.



ii. Laboratory Experiments



Students performing practical in Botany laboratory



Students performing practical in Zoology laboratory



Students performing practical in Chemistry laboratory



Students performing practical in Computer laboratory



Students performing practical in Physics laboratory

iii. Field Project

Botany

Pravara Khasra Mandal Trust, Amravati
Vinayak Vidnyan Mahavidyala
 Mandgaon Khandeshwar, Dist-Amravati



Department of
Botany

PROJECT
 B.Sc. II Sem

PROJECT TOPIC: To study the variation in Leaf Margin of some plants
 Project Submitted by: Aditya Pand, Adarsh I, Anuradha, Sakshi
 Shivakulkarni, Laksme Khan, Tejas Sankarhat

Supervisor
 Dr. S. V. W. Patil
 Head of Department
 Vinayak Vidnyan Mahavidyala
 Mandgaon Khandeshwar
 Dist-Amravati

Academic Session 2022-2023

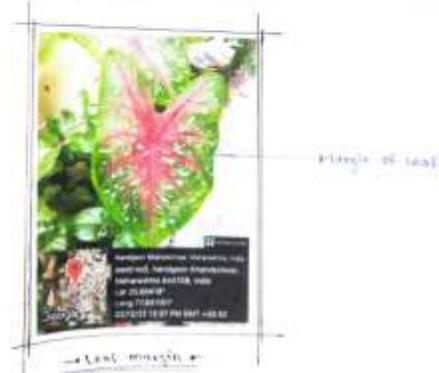
LEAF MARGIN

The leaf margin is the boundary area of the leaf that is extending along the edge of leaf.

There are many types of leaf margins that are important for plant identification.

The viable type of margins are

Serrated, ciliate, lobed, pinnate, crenate, mucronate.



Serrated Margin



This is a leaf with serrated or toothed edge with point upwards. The most sage leaf. It is most common type of leaf, as it brings more of the leaf's surface into contact with the air

and so facilitates photosynthesis. If the serrated leaf margins are sharp, as can be found on some cactus plants. There are several types of serrated leaf depending on the shape of the leaf.

- Finely serrated
- Coarsely serrated
- Doubly serrated

dentate margin



A dentate margin has square or rectangular teeth along the margin that point outward. This differs from serrate by direction of the teeth. (like the stem structure)

dentate margin leaves found in Ardisia etc.

iv. Field visit/ Industrial visit

Commerce



SANT GADGE BABA AMRAVATI UNIVERSITY, AMRAVATI AFFILIATED
Pravin Khodke Memorial Trust's
Vinayak Vidnyan Mahavidyalaya
Tq. Nandgaon Khandeshwar, Dist. Amravati

Department of Commerce **Industrial Visit Report-2022-23**

Vinayak Vidnyan Mahavidyalaya, Nandgaon Khandeshwar Dist. Amravati, affiliated to Sant Gadageababa Amravati University Amravati has arranged industrial visit for the academic year 2022-23. Industrial visit was arranged at N.T.C Finlay mills, An ISO-9001, 2008 certified company. Govt. of India undertaking, a unit of national textile corporation Ltd. Achalpur Dist. Amravati on dated 03 December 2022. In this visit 18 students of commerce department were participated along with teaching staff of college Dr. P. N. Tayde, Dr. Dashrath Kale and Dr. Pratibha Mahhale. The supplier company is located in Amravati, Maharashtra and is one of the leading sellers of listed products.

Finlay Mills is listed in Trade India's list of verified sellers offering supreme quality etc. Buy in bulk from us for the best quality products and service. Finlay Mills is a quality driven organization offering a wide range of Cotton yarn. The firm supplies Cotton yarn within preset time limit. In this industrial visit students visited to various departments like production department, finance department, supply department and account department. Managers of these departments guided the students very well. The companies' departmental H.O.D, managers and executive managers gave them practical knowledge about supply and distribution and store department. The great enthusiasm was seen in students for this industrial visit. Their question and answer session was organized by company in each department so that students get proper knowledge about company working.

The principal of our college has encouraged and guided the students for this industrial visit. The commerce department have been always guided and supported by the principal for

each and every educational event. After analyzing students were satisfied regarding industrial visit.

Some photos of industrial visit are as follows:




Head
Dept. of Commerce
Vinayak Vidnyan Mahavidyalaya
Nandgaon Kh.
Dr. Parul Kumari N. Nayak,
Head

Department of Commerce and Management
Vinayak Vidnyan Mahavidyalaya
Nandgaon (kh) Dist Amravati

Vinayak Vidnyan Mahavidyalaya

Nandgaon Khandeshwar, Amravati

Date: 03/12/2020
Morning 6:30 AM.

Sr. NO.	Name of Student	Class	Mobile No.	Parents No.	Adhar No.	Signatur
1	Dr. Dashrath V Kale	Faculty Members	9423326330		3.64623E+11	<i>(Signature)</i>
2	Dr. Pratibha Mahalle	Faculty Members	9923417966		8.99019E+11	<i>(Signature)</i>
3	Ankush Chavan	B.Com III	9579238580	8261084194	5.46763E+11	<i>(Signature)</i>
4	Sagar Dandge	B.Com III	9322940261	9022384299	2.82332E+11	<i>(Signature)</i>
5	Subodh Waghmare	B.Com III	9373817604	8007181663	8.09857E+11	<i>(Signature)</i>
6	Vishal Laybhar	B.Com III	9529795449	8788635472	5.28437E+11	<i>(Signature)</i>
7	Kaushal Kolhe	B.Com III	9022664630	9960784930	2.57485E+11	<i>(Signature)</i>
8	Vrushabh Khadse	B.Com III	9579164549	7888101330	7.82334E+11	<i>(Signature)</i>
9	Pawan Ronge	B.Com III	7796008353	7796008353	3.84896E+11	<i>(Signature)</i>
10	Snehal Bhadke	B.Com III	9322813346	9503717218	7.50981E+11	<i>(Signature)</i>
11	Pragati Bhende	B.Com III	9322980132	9890303120	7.52986E+11	<i>(Signature)</i>
12	Tejasvini Mandurkar	B.Com III	7507706175	7798204744	2.30014E+11	<i>(Signature)</i>
13	Gopika Marotkar	B.Com III	9359311623	9975025932	6.24096E+11	<i>(Signature)</i>
14	Asha Kaware	B.Com III	8855065567	9766269547	7.39636E+11	<i>(Signature)</i>
15	Smita Muke	B.Com III	7767837179	8007348816	8.60793E+11	<i>(Signature)</i>
16	Divya Muke	B.Com III	7499117036	7499117036	6.0573E+11	<i>(Signature)</i>
17	Samiksha Ajmire	B.Com III	9356290651	7774928899	4.64897E+11	<i>(Signature)</i>
18	Gayatri More	B.Com III	9356030937	9130526857	7.12241E+11	<i>(Signature)</i>
19	Rupali Dhore	B.Com III	7620505410	7620505410	8.95051E+11	<i>(Signature)</i>
20	Vaishnavi Tiwaskar	B.Com III	9322531817	9766638023	2.07261E+11	<i>(Signature)</i>

Chikhaldara Tour Report

Preamble:-

Department of zoology of vinayak vidnyan Mahavidyalaya had organized one day short tour to chikhaldhara on dated 15/10/2022. The main purpose of the study is to promote and enhance students to understand the flora and fauna and biotic component of the field. On the morning of 15 Oct 2022 at 7 AM we had departed from the college. We reached to Chikhaldhara at 10 AM. The natural beauty of chikhaldhara attracts everyone. The greenery and waterfall are on its peak. We had visited many spots to see the biodiversity of Chikhaldhara. We also visited the museum and park of chikhaldhara. Total 30 students along with 4 faculty member and 1 nonteaching assistant have joined this educational tour.

Objective of the educational tour:

- To spread awareness about flora and fauna of chikhaldara.
- To study the species diversity of Butterflies.
- To explore the species diversity of plants.
- To interact, learn and understand the traditional cultures and lifestyle of chikhaldara tribal people.

Places of visit:

- 1) Bhimkund-
- 2) Panchbol Point.
- 3) Devi point
- 4) Botanical Garden
- 5) Sunset Point-

Site Description-

Chikhaldara is a hill station and a municipal council in Amravati district in the Indian state of Maharashtra.

Chikhaldhara, literally translates from Marathi to mud stream/falls (*chikal + dhara*). Hindus claim that this place was featured in the epic of the Mahabharata. this is the place where Bheema killed the villainous Keechaka in a herculean bout and then threw him into the valley. It thus came to be known as Keechakadara which eventually colloquialised to Chikhaldhara. But there's not much evidence apart from hearsay to support that argument, nevertheless, it's an interesting story.

The sole hill resort in the Vidarbha region, it is situated at an altitude of 1118 meters with highest vairat point 1188 meters and has the added dimension of being the only coffee-growing area in

Maharashtra. Chikhaldara has an annual rainfall of 154cm. Temperatures vary from 39°C in summer to 5°C in winter. The best months to visit are from October to June.

It abounds in wildlife, such as tigers, panthers, sloth bears, sambars, wild boar, and rarely seen wild dogs. Close by is the famous Melghat Tiger Project which has 82 tigers.

1) Bhimkund-

The Bhim Kund – Kichakdara spot in Chikhaldara is of special importance to the religious devotees at this place. Located near the Alladoh village, the Bhim Kund is close to 3,500 ft deep. Legend has it that Bhima, the mightiest of all the Pandavas killed Kichaka and threw his body deep into the valley. That is where this place derived its name from. This point offers a splendid view of the nearby cascading waterfalls and the scene is especially brilliant during the monsoons.



2) Panchbol Point-

The Panchbol Point is a scenic point 4 km away from Bir Lake, based in the region of Chikhaldara. It provides with a panoramic view of the surroundings. On one side, the coffee plantations can be viewed. On the other side, there are close to five hills that come together to form a huge valley in the middle which can be observed from this point. The Panchbol Point has derived its name from the belief that if you shout out anything, you can hear the echo back either once but five distinct times. Hence the name 'Panchbol' – which means Five Echoes.



3) Devi point-

Devi Point a tourist point located in Chikhaldara in the city of Amravati in Maharashtra. It is only 1.5 km away from the bus stop in chikhaldara. There is a temple in this point where locals often visit either to pray or for sightseeing and enjoying some personal time with friends and family. The very



existence of a temple gave this point such a name. Standing at this point one can see the whole of Chikhaldara and all of its attractions.

4) Botanical Garden-

In the botanical garden there are large number of plants and animals. It shows large number of species diversity.



5) Sunset Point-

Sunset Point is located on the Vairat hills at Vairat. Vairat Village is situated at a distance of about 10kms from Chikhaldara and which is considered as the late capital of King Vairat during the Mahabharata era. Popular with the visitors, this viewpoint offers beautiful and attractive views of the sunset settling within the numerous nearby hillsides.



Outcome of the Visit:-

- 1) Students learned about different plants and animals.
- 2) Students understand flora and fauna of chikhaldara.
 - To study the species diversity of Butterflies.
 - Students learn the species diversity of plants.
 - Students learn and understand the traditional cultures and lifestyle of chikhaldara tribal people.

Conclusion:-

Educational Tour visit to Chikhaldara India was successfully organised with the support of staffs and students of Vinayak Vidnyan Mahavidyalaya. This visit really brought positive change in thinking and provided practical insights about the future prospects of environment.

P. Mahalle
Head
Dept. of Zoology
Vinayak Vidnyan Mahavidyalaya
Nandgaon Kh. Dist. Amravati.

S.P. Tinkhede
Dr. SWAPNIL P. TINKHEDE
Assistant Professor
Department of Zoology
Vinayak Vidnyan Mahavidyalaya,
Nandgaon Kh. Dist. Amravati.

Baslapur study tour report

Preamble:-

Department of zoology of vinayak vidnyan Mahavidyalaya had organized one day short tour to "Baslapur" on 26 November 2022.

The main purpose of the study is to promote and enhance students to understand the flora and fauna and biotic component of the field. On the morning of 26 November 2022 at 10 AM we had departed from the college. We reached to Baslapur at 10.45 AM. The natural beauty of Baslapur attracts everyone. We had visited to see the biodiversity of fishes in Baslapur. We also visited the museum and park of Baslapur. Total 19 students along with 6 faculty member have joined this educational tour.



Objective of the educational tour:

- To spread awareness about flora and fauna of Baslapur.
- To explore the species diversity of fishes.
- To interact, learn and understand the traditional cultures of fishes.

Places of visit:

- 1) Baslapur
- 2) Malkhed.

Site Description-

Baslapur is near to Amravati district in the state of Maharashtra. Baslapur is about 25 km from Amravati & 3 km from Malkhed lake. Baslapur fish project is situated to about 5 acres. The weather is cold and mild suitable for fish culture. There are many man made ponds for rearing the fishes. The male and female fishes injected with gonadotrophin hormones so they become

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Physics

Vinayak Vidnyan Mahavidyalaya, Nandgaon Kh. Department of Physics

Report of Educational Tour

Title: Educational Tour at Raman Science Centre, Nagpur
Date: 24th November 2022

Educational tour objectives, students need to apply skills, values and general knowledge in new settings. It is a great and actual way to learn specific subjects beyond textbooks and lectures. Study tours can be a great way to learn new things about different cultures and be aware of certain differences between them, as well as similarities. It makes students see certain issues in a new perception and some study tours can allow students to immerse themselves in a different community. In return, they are exposed to cultures and different socio-economic statuses which help them build consideration and better thoughtful for these cultures. Educational Tour offers the perfect informal setup for discussion, dialogues and experiences which helps in developing various life-skills, such as team building, time management etc. to enhance one's reach and impact in society.

Science is a part of our routine life and is universal. There is a necessity to have clear vision and determination to pursue it and Raman Science Centre is a place which helps students in giving that vision and determination. This tour not only enhanced their quality to know more in depth, but also provide proper guidance to sightsee more and come up with new ideas.

At this science center students observed Spiral musical pipe and understood its functioning. They also observed Size-weight illusion, Kinetic sculpture, Pendulum wave, Invisible chair, Colour filters, Color blind principle, Hyperbolic, Simple camera, Taller and easier balance, Mobius band, illusion mechanism, Pattern recognition. Students also collected an information of Scientists and their Inventions. Students enjoyed the experiments placed in 3D show of Apollo and Planetarium the story "The Sun". Students also experienced learning and understood that science is really fun and full of knowledge.

Pics of Tour

RAMAN SCIENCE CENTRE



Dr. Anant S. Wadkar
Assistant Professor and Head
Department of Physics
Vinayak Vidnyan Mahavidyalaya
Nandgaon (Kh.), Dist. Amravati


PRINCIPAL
Vinayak Vidnyan Mahavidyalaya,
Nandgaon Khan. Dist. Amravati



3-D Science Show



Roman Science Illusion Section



Students visited different Science Models



Students experienced planets of our galaxy



Students visited Planetarium section and watched the story of "The Sun"


 Head,
 Department of Physics
Dr. Anant S. Wadalkar
 Assistant Professor and Head
 Department of Physics
 Vinayak Vidyan Mahavidyalaya
 Nandgaon (Kh.), Dist. Amravati

Principal

PRINCIPAL
 Vinayak Vidyan Mahavidyalaya,
 Nandgaon Khan, Dist. Amravati

Chemistry



Pravin Khodke Memorial Trust's
Vinayak Vidnyan Mahavidyalaya
Tq. Nandgaon Khandeshwar, Dist. Amravati

Date: 8th April 2022

Department of Chemistry

Activity Report

Organizing Department	Department of Chemistry,
Visiting Institute	CIC laboratory, Shri Shivaji Science College, Amravati.
Educational Tour Incharge	Dr. Vinod M. Sherekar, Assistant Professor.
Educational Female Representative	Dr. Kavita P. Kakade, Assistant Professor
CIC laboratory Incharge	Dr. Nilima Ingole, Shri Shivaji Science College, Amravati
CIC Laboratory Technician	Mr. Satish Dashware, Shri Shivaji Science College, Amravati.
Date of visit	6 th April 2022
Duration of visit	11 AM to 4 PM
Eligible Students	B.Sc. Part III Students
Total number of students	29 Students
Total sessions	Two
Instruments Demonstrated during visit	UV Spectrophotometer, IR Spectrophotometer and X-ray Spectrophotometer HPLC and Atomic Absorption Spectrophotometer.

Educational visit to Central Instrumental Cell Laboratory

Department of Chemistry of Vinayak Vidnyan Mahavidyalaya, Nandgaon Khandeshwar had organized one day educational visit to "Central Instrumental Cell Laboratory" of Shri Shivaji Science College, Amravati on 6th April 2022 under the MoU signed between the two institutes. The educational visit was organized for the students of B.Sc. Part III with subject chemistry.

The first session was started at 11AM which was hosted by Mr. Satish Dashware, Lab Technician, CIC laboratory. During the session Mr. Satish Dashware sir had explained the working, functioning and application of the following instruments in detail to the students

- a) ULTRA VIOLET SPECTROPHOTOMETER
- b) INFRA-RED SPECTROPHOTOMETER
- c) X-RAY SPECTROPHOTOMETER

He had also explained the sample running process of the above-mentioned instruments. He had also explained the application of these instruments in the structure determination of the compounds for research studies.



Various Instruments at CIC Laboratory, Amravati.

The tour was started on 6th April 2022 at 9 AM from college campus of Vinayak Vidyan Mahavidyalaya where students left for the Amravati by road.



Gathering and Departure of Students for one day visit to CIC laboratory, Amravati from Nandgaon Khandeshwar.

The students with all teaching staff had arrived at Shri Shivaji Science College Amravati at 10.30 AM. All students and faculty members were welcomed by Dr. Nilima Ingole, Incharge, CIC laboratory, Shri Shivaji Science college, Amravati.



Mahavidyalaya has taken these initiatives to organized this one-day educational tour for the students of B.Sc. Part III.

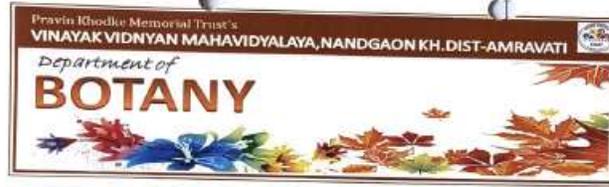
The students with all faculty members had departed from Shri Shivaji Science college at 4 PM and reached to the college campus of Vinayak Vidnyan Mahavidyalaya, Nandgaon Khandeshwar at 5 PM in the evening. Tour In-Charge made sure that all students left for their home in safe manner.



Mr. N. S. Padole
Mr. Nilesh S. Padole
Head
Department of Chemistry
Vinayak Vidyalaya,
Nandgaon Khandeshwar

Participatory Learning

i. Seminar



Seminar Topics: B.Sc. II Sem IV (Summer 23)

Session 2022-23

Date: 10-11 April 2023

Sr No	Name of Students	Seminar Topics	Date	Signature
1	Aarati N.Mokalekar	Structure of Eukaryotic cell	10/04/23	A.N.Mokalekar
2	Adarsh S.Pande	Structure and Functions of Cell wall	10/04/23	A.S.Pande
3	Adeeba Anam	Plasma membrane	10/04/23	A.Anam
4	Aditya K. Pawar	Ultra structure of Nucleus	10/04/23	A.K.Pawar
5	Aniket R. Chawale	Structure and Functions of Endoplasmic Reticulum	10/04/23	A.R.Chawale
6	Aniket S.Meshram	Structure and Functions of Golgi complex	10/04/23	A.S.Meshram
7	Anisha V.Deshmukh	Structure and Functions of Vacuole	10/04/23	A.V.Deshmukh
8	Ankash M. Jadhav	Structure and Functions of Ribosome	10/04/23	A.M.Jadhav
9	Anashri G. Rohankar	Structure and Functions of Peroxisome	10/04/23	A.G.Rohankar
10	Amrapali R. Kale	Structure and Functions of Mitochondria	10/04/23	A.R.Kale
11	Ashwini D. Tirmare	Process of mitosis	10/04/23	A.D.Tirmare
12	Ashwini R. Wankhade	Process of meiosis	10/04/23	A.R.Wankhade
13	Ayan N.Khan	Morphology of Chromosome	10/04/23	A.N.Khan
14	Bhushan Y.Chawale	Types of Chromosome	10/04/23	B.Y.Chawale
15	Diksha V. Kholvagade	Centromere & Telomere	10/04/23	D.V.Kholvagade
16	Gaurav M. Avhale	Mendel's Law: Dominance	10/04/23	G.M.Avhale
17	Gaurav R. Rathod	Mendel's Law: Segregation	10/04/23	G.R.Rathod
18	Hassan R.Khan	Mendel's Law: Independent Assortment	10/04/23	H.R.Khan
19	Indrajeet P.Tarsinghe	Mendel's Law: Incomplete dominance	10/04/23	I.P.Tarsinghe
20	Jayshri S.Solanke	Types of Chromosome	10/04/23	J.S.Solanke
21	Jyotsna G. Laybar	Structure of Eukaryotic cell	10/04/23	J.G.Laybar
22	Leena G. Ghodeswar	Structure and Functions of Cell wall	10/04/23	L.G.Ghodeswar
23	Maaz M. Sayyed	Plasma membrane	10/04/23	M.M.Sayyed
24	Mamta V. Vaidya	Ultra structure of Nucleus	10/04/23	M.V.Vaidya
25	Mohini S.Mukode	Characteristics of enzymes	10/04/23	M.S.Mukode
26	Nayana D. Gopnarayan	Nomenclature of enzymes	11/04/23	N.D.Gopnarayan
27	Pallavi V.Khune	Enzymes theories	11/04/23	P.V.Khune
28	Payal D.Barade	Holoenzymes	11/04/23	P.D.Barade
29	Pooja D. Zodape	Co-enzymes and Co-factors	11/04/23	P.D.Zodape
30	Prajakta P. Inzalkar	Structure and Functions of Mitochondria	11/04/23	P.P.Inzalkar
31	Prince A.Nundagawal	Process of mitosis	11/04/23	P.A.Nundagawal
32	Reva M. Gedam	Morphology of Chromosome	11/04/23	R.M.Gedam
33	Rohini J. Bahurupi	Types of Chromosome	11/04/23	R.J.Bahurupi
34	Rushi S. Gadge	Centromere & Telomere	11/04/23	R.S.Gadge
35	Sakshi S. Bavankule	Process of mitosis	11/04/23	S.S.Bavankule
36	Salman Kh.Y.Khan	Structural aberrations: Deletion, Duplication	11/04/23	S.Kh.Y.Khan
37	Sanika S. Lute	Structural aberrations: Inversion and Translocation	11/04/23	S.S.Lute
38	Sk. Sobel Sk. Rashid	Numerical aberrations: Euploidy	11/04/23	S.S.Rashid
39	Shraddha R. Dhage	Numerical aberrations: Aneuploidy	11/04/23	S.R.Dhage
40	Sacha M. Satpaise	Structure of Eukaryotic cell	11/04/23	S.M.Satpaise
41	Syed U. Syed Jameel	Structure and Functions of Cell wall	11/04/23	S.U.Syed Jameel
42	Tejas P. Tambatkar	Plasma membrane	11/04/23	T.P.Tambatkar
43	Vaishnavi A. More	Nomenclature of enzymes	11/04/23	V.A.More
44	Vaishnavi R. Ghawat	Enzymes theories	11/04/23	V.R.Ghawat
45	Yogini L. Mate	Holoenzymes	11/04/23	Y.L.Mate
46	Zuberikha G. Pathan	Co-enzymes and Co-factors	11/04/23	Z.G.Pathan

Dr. Sushil K. Khaske
Head, Department of Botany
Vinayak Vidnyan Mahavidyalaya
Nandgaon Kh.

Vinayak Vidyan Mahavidyalaya, Nandgaon Kh, Dist-Amravati.
Department of Botany
Seminar Topics
B.Sc. III SemV(Winter2022)

Date:19-20 Oct 2022

Sr No	Name of Students	Topics	Signature
1	Ku. Aachal Rajendra Hambarde	Imbibition	A Hambarde
2	Ku. Aachal Dilip Deshmukh	Diffusion	A Deshmukh
3	Ku. Aachal Nandkishor Charde	Plasmolysis.	A Charde
4	Ku. Akshada Dnyaneshwar Dhandare	Active Absorption of water.	A Dhandare
5	Mr. Aman AshpakMakwan	Passive Absorption of water.	A Makwan
6	Ku. Amruta Sopan Kale	Root Pressure	A Kale
7	Ku. Arpita Pradiprao Thakare	Transpiration Pull Theory	A Thakare
8	Mr. Ashutosh D. Ingole	Transpiration - Types of transpiration	A Ingole
9	Ku. Divya P.Salve	Stomatal movements	D Salve
10	Mr. Kartik Ravindra Mahure	Mechanism of transpiration (Starch) sugar hypothesis)	K Mahure
11	Ku. Kiran Raju Banarase	Antitranspirant	K Banarase
12	Ku. Kirti Dilip Pophale	Guttation.	K Pophale
13	Ku. Komal Dnyaneshwar Pund	Mineral uptake-Passive	K Pund
14	Ku. Komal Jitendra Sen	Mineral uptake- Active	K Sen
15	Ku. Mayuri Pravin Kapade	Imbibition	M Kapade
16	Ku. Mayuri Rameshwar Deotale	Soil profile	M Deotale
17	Mr. Mohd Anas Mukwani	Two Pigment Systems	M Mukwani
18	Mr. Nikhil Nandu Prughane	Stomatal movements	N Prughane
19	Mr. Pawan G. Sonatakke	Plasmolysis	P. G. Sonatakke
20	Mr. Pranay Sanjay Marape	Mineral uptake- Active	P Marape
21	Mr. Pratik KanteshwarInzalkar	Mechanism of transpiration (Starch) sugar	P Inzalkar

22	Ku. Pratiksha Sunand Ingale	Active Absorption of water hypothesis)	P Ingale
23	Ku. Priyanka Rajkumar Gajbhiye	Diffusion	P Gajbhiye
24	Ku. Rakhi Ruprao Sonone	Guttation.	R Sonone
25	Ku. Ravina Sandip Navnage	Sources of nitrogen	R Navnage
26	Ku. Rina Pravin Pophale	Mineral uptake-Passive	R Pophale
27	Mr. Rohan RamraoJadhao	Atmosphere and its composition	R Jadhao
28	Ku. Sakshi Rameshwar Gulhane	Sources of nitrogen	S Gulhane
29	Ku. Sakshi Santosh Inzalkar	Photosynthetic Apparatus and Pigments	S Inzalkar
30	Ku. Samiksha Pramod Dakare	Plant movement- Nastic (Epinasty and Seismonasty)	S Dakare
31	Ku. Sejal Gajanan Chandurkar	Symbiotic nitrogen fixation	S Chandurkar
32	Ku. Sharayu Purshottam Chaudhari	Two Pigment Systems	S Chaudhari
33	Ku. Shital Subhashrao Lonare	Symbiotic nitrogen fixation	S Lonare
34	Ku. Shital Vijay Gadhave	Morphological and Anatomical adaptation in Xerophytes	S Gadhave
35	Ku. Shivani Jaypalsingh Chavhan	Plasmolysis	S Chavhan
36	Ku. Shraddha Anil Bankar	soil biota and their role	S Bankar
37	Ku. Shreya Gajanan Dhoke	Soil formation	S Dhoke
38	Ku. Shreyasvi Ramesh Devtale	Transpiration and its type	S Devtale
39	Ku. Snehal Balu Kaware	Atmosphere and its composition	S Kaware
40	Ku. Vaishnavi DamodharRumne	Soil profile	V Rumne
41	Ku. Vaishnavi Ravindra Khobragade	Role of Nitrate reductase	V Khobragade
42	Ku. Vaishnavi Ravindra Zatale	Morphological and Anatomical adaptation in Hydrophytes	V Zatale



Seminar Topics: B.Sc. III Sem VI (Summer 23)

Session 2022-2023

Date: 12 & 19 April 2023

Sr. No.	Name of Students	Topics	Date	Signature
1	Aachal Rajendra Hambarde	Hershy and Chase Experiment	12/04/2023	A Hambarde
2	Achal Dilip Deshmukh	Double Helical model of DNA	12/04/2023	A Deshmukh
3	Achal Nandkishor Charde	DNA- Chemical composition	12/04/2023	A Charde
4	Akshada D.Dhandare	Structure and Function of DNA	12/04/2023	A Dhandare
5	Aman Ashpak Makwani	DNA replication in Eukaryotes	12/04/2023	A Makwani
6	Amruta Sopan Kale	Nucleosome Model	12/04/2023	A Kale
7	Arpita Pradiprao Thukare	Types of DNA	12/04/2023	A Thukare
8	Ashutosh D. Ingole	Satellite DNA	12/04/2023	A Ingole
9	Kartik Ravindra Mahure	Repetitive DNA	12/04/2023	K Mahure
10	Kiran Raju Banarase	30nm Solenoid Model	12/04/2023	K Banarase
11	Kirti Dilip Pophale	Griffith Experiment	12/04/2023	K Pophale
12	Komal Dnyaneshwar Pund	Fine structure of Gene	12/04/2023	K Pund
13	Komal Jitendra Sen	Central Dogma	12/04/2023	K Sen
14	Mayuri Pravin Kapade	Types of RNA	12/04/2023	M Kapade
15	Mayuri Rameshwar Deotale	Genetic code	12/04/2023	M Deotale
16	Mohd Anas Makwani	Ribosome as a translation machine	12/04/2023	M Makwani
17	Nikhil Nandu Prughane	Semi conservative method of DNA replication	12/04/2023	N Prughane
18	Pawan G. Sonatkke	Endomembrane system	12/04/2023	P Sonatkke
19	Pranay Sanjay Marape	Translation in Eukaryotes	12/04/2023	P Marape
20	Pratik Kanteswar Inzalkar	Restriction Enzymes	12/04/2023	P Inzalkar

21	Pratiksha Anand Ingale	Plasmids	12/04/2023	P Ingale
22	Priyanka Rajkumar Gajbhiye	laminar air flow	19/04/2023	P Gajbhiye
23	Rakhi Ruprao Sonone	Autoclave	19/04/2023	R Sonone
24	Ravina Sandip Navnage	Types of Restriction Enzymes	19/04/2023	R Navnage
25	Rina Pravin Pophale	AC-DS System	19/04/2023	R Pophale
26	Rohan Ramrao Jadhao	Genomic library	19/04/2023	R Jadhao
27	Sakshi Rameshwar Gulhane	Genetic Code	19/04/2023	S Gulhane
28	Sakshi Santosh Inzalkar	Transcription	19/04/2023	S Inzalkar
29	Samiksha Pramod Dakare	m-RNA processing	19/04/2023	S Dakare
30	Sejal Gajanan Chandurkar	Fine structure of Gene	19/04/2023	S Chandurkar
31	Sharayu P. Chaudhari	Central Dogma	19/04/2023	S Chaudhari
32	Shital Subhashrao Lonare	Genetic code	19/04/2023	S Lonare
33	Shital Vijay Gadhave	Callus Culture;	19/04/2023	S Gadhave
34	Shivani J. Chavhan	Central dogma	19/04/2023	S Chavhan
35	Shradha Anil Bankar	Cellular totipotency	19/04/2023	S Bankar
36	Shreya Gajanan Dhoke	PCR-Polymerase Chain Reaction	19/04/2023	S Dhoke
37	Shreyas Ramesh Devtale	Griffith Experiment	19/04/2023	S Devtale
38	Snehal Balu Karware	Endomembrane system	19/04/2023	S Karware
39	Vaishnavi D. Rumne	Restriction Enzymes	19/04/2023	V Rumne
40	Vaishnavi R. Khobragade	c-DNA library	19/04/2023	V Khobragade
41	Vaishnavi Ravindra Zatale	30nm Solenoid model	19/04/2023	V Zatale

Dr. Suchita Khodke
Dr. Suchita Khodke
Head Department of Botany
Dept. of Botany
Vinayak Vidyan Mahavidyalaya
Nandgaon Kh.

ii. Group Discussion

Zoology



Students participate in group discussion on topic cell division

iii. Group Projects

Zoology



Vinayak Vidyan Mahavidyalaya, Nandgaon (Kh)

Session: 2022-23

Department: Zoology
B.Sc. II, Sem III (Winter)

Projects

(Weightage 04 marks)

Sr. No.	Name of Students	Projects Assigned	Teacher Incharge	Submission Sign
1.	Aarati Nandkishor Mokalekar	Classification of Chordate	Dr P. S. Mahalle	A.N. Mokalekar
2.	Adarsh Sanjayrao Pande			
3.	Adeeba Anam Ikramuddin			
4.	Aniket Pramod Khode			
5.	Aniket Rupraj Chawale	Amphioxus: External Character	Dr P. S. Mahalle	A. Chawale
6.	Aniket Sambhaji Mesbram			
7.	Anisha Vijay Deshmukh			
8.	Ankush Maroti Jadhao			
9.	Aditya Kishore Pawar			
10.	Amrapali Ravindra Kale			
11.	Ashwini Dhanraj Tirmare	Scoliodon: External Character, Scale, Lateral Line receptor	Dr G. S. Pachlore	Ashwini Tirmare
12.	Ashwini Ravindra Wankhade			
13.	Ayan Naim Khan			
14.	Bhushan Yogeshwar Chawale			
15.	Diksha Vijay Kholbragade			
16.	Dnyaneshwari Pandit Zimate			
17.	Gaurav Mahendra Avshale			
18.	Gaurav Ramdhan Rathod			
19.	Hassan Ahmad Rizwanullah Khan			
20.	Jayshri Shamraoji Solanke			Types of migration in Fishes
21.	Jyotsna Gajanan Laybar			
22.	Krunika Kishor Bhende			
23.	Leena Ganes Ghodsewar			
24.	Maaaz Mishahuddin Sayyed	Parental Care in Frog	Mr S. N. Bansod	M.S. Vaidya
25.	Manu Vijayrao Vaidya			
26.	Manisha Sanjay Nimbarde			
27.	Mohini Sunil Makode			
28.	Nayana Dadao Gopurayam			
29.	Pallavi Vilas Khune			
30.	Payal Devdasrao Burade	Heart of Frog	Mr S. N. Bansod	P. Burade
31.	Pooja Devanand Zodape			
32.	Pratikha Pramod Inzalkar			
33.	Pratibha Balasabeb Kholbragade			
34.	Prince Arvind Nandgaonwadi			

35.	Priya Gajanan Kerekar	Urinogenital System of Garden Lizard Male and Female	Dr S. P. Tinkhede	P. Kerekar
36.	Reva Mahendra Gedam			
37.	Rohini Jagdish Bahurupi			
38.	Rushi Sanjayrao Gadje			
39.	Sakshi Baburao Madavi			
40.	Sakshi Shyam Bavankule			
41.	Salman Khan Yusuf Khan			
42.	Sanika Sahadev Lute			
43.	Shaikh Sohel Shaikh Rashid			
44.	Shradha Rajkumar Dhang			Snake Diversity of local area Venomous and Non Venomous
45.	Sneha Manohar Satpute			
46.	Syed Uzmain Syed Jameel			
47.	Tejas Pradip Tambatkar			
48.	Vaishnavi Ramdas Neware	Geological Time Scale	Dr S. P. Tinkhede	V. Neware
49.	Vaishnavi Anil More			
50.	Vaishnavi Rajendra Ghawat			
51.	Vrushali Namdeoorao Nichat			
52.	Yogini Lileshwar Mate			
53.	Zuberka Gaffarkha Pathan			
54.	Indrajeet Tirsingde			
55.	Anushree Rohankar			

Teacher Incharge

1. Subhla N. Bansod

2. Dr. S. P. Tinkhede

3. Dr. G. S. Pachlore

Head of Department
Dept. of Zoology
Vinayak Vidyan Mahavidyalaya
Nandgaon (Kh)

Vinayak Vidyan Mahavidyalaya, Nandgaon (Kh)
 Session: 2022-23
 Department: Zoology
 B.Sc. II, Sem IV (Summer)
Internal Assessment (Project Assignment)

Date of submission:

Sr. No.	Name of Students	Project Title	Teacher Incharge	Signature of student		
1	Aarati Nandkishor Mokalekar	Culturing of Drosophila, male & female identification	Dr. Pratibha Mahalle	<i>[Signature]</i>		
2	Adarsh Sanjayrao Pande			<i>[Signature]</i>		
3	Adeeba Anam Ikramuddin			<i>[Signature]</i>		
4	Aditya Kishorrao Pawar			<i>[Signature]</i>		
5	Amrapali Ravindra Kale	Study of Genetic traits such as Baldness, length of index and ring Finger, attached and free earlobes, rolling of tongue, in your area	Mr. Subodh Bansod	<i>[Signature]</i>		
6	Aniket Rupraoji Chawale			<i>[Signature]</i>		
7	Aniket Sambhaji Meshram			<i>[Signature]</i>		
8	Anisha Vijay Deshmukh			<i>[Signature]</i>		
9	Ankush Maroti Jadhav			<i>[Signature]</i>		
10	Amushi Gajanan Rohankar	Estimation of dissolved oxygen sifinity and Pb from the water sample	Dr. Pratibha Mahalle	<i>[Signature]</i>		
11	Ashwini Dhanraj Tirmare			<i>[Signature]</i>		
12	Ashwini Ravindra Wankhade			<i>[Signature]</i>		
13	Ayan Naim Khan			<i>[Signature]</i>		
14	Bhushan Yogeshwar Chawale			<i>[Signature]</i>		
15	Disha Vijay Khobragade			<i>[Signature]</i>		
16	Gaurav Mahendra Avhale			Construct food web based on field visit.	Mr. Subodh Bansod	<i>[Signature]</i>
17	Gaurav Ramdhan Rathod					<i>[Signature]</i>
18	Hassan Ahmad Rizwanullah Khan					<i>[Signature]</i>
19	Indrajeet Pandurang Tirsinge					<i>[Signature]</i>
20	Jayshri Shamraoji Solanke	Adaptations of aquatic and terrestrial animals found in your area.	Dr. Gajendrasingh Pachlore	<i>[Signature]</i>		
21	Jyotsna Gajanan Laykar			<i>[Signature]</i>		
22	Leena Ganesh Ghodeswar			<i>[Signature]</i>		
23	Miaza Miabuluddin Sayyad			<i>[Signature]</i>		
24	Maitra Vijayrao Vaidya			<i>[Signature]</i>		
25	Mahimi Sumil Makode			<i>[Signature]</i>		
26	Nayana Dularao Gopnarayan			<i>[Signature]</i>		
27	Pallavi Vilas Khume			<i>[Signature]</i>		
28	Pooja Devanand Zodape			<i>[Signature]</i>		
29	Prakrta Pramod Inzalkar	Estimation of pH from different soil samples.	Dr. Gajendrasingh Pachlore	<i>[Signature]</i>		

30	Prince Arvind Nandagawali	Diversity of birds in Nandgaon Kh.	Dr. Swapnil Tinkhede	<i>[Signature]</i>		
31	Reva Mahendra Godam			<i>[Signature]</i>		
32	Rohini Jagdish Baharupi			<i>[Signature]</i>		
33	Rushi Sanjayrao Gadge			<i>[Signature]</i>		
34	Sakshi Shyam Bavankule			<i>[Signature]</i>		
35	Salman Khan Yusuf Khan	Estimation of free CO ₂ , Carbonates, and Bicarbonates from different water sample	Dr. Swapnil Tinkhede	<i>[Signature]</i>		
36	Sanika Sahadev Lute			<i>[Signature]</i>		
37	Shachi Sonel Shaikh Rashid			<i>[Signature]</i>		
38	Shreetha Rajkumar Dhage			<i>[Signature]</i>		
39	Sheha Manohar Salpase			<i>[Signature]</i>		
40	Syed Usman Syed Jameel			<i>[Signature]</i>		
41	Vaishnavi Kamala Neuware			<i>[Signature]</i>		
42	Vaishnavi Anil More			Collection and identification of fresh water plankton	Dr. Gajendrasingh Pachlore	<i>[Signature]</i>
43	Vaishnavi Rajendra Ghawat					<i>[Signature]</i>
44	Yogini Ishwar Mate					<i>[Signature]</i>
45	Zuberkha Gaffarkha Pathan	<i>[Signature]</i>				

Teacher incharge

Dr. P. S. Mahalle *[Signature]*
 Dr. G. S. Pachlore *[Signature]*
 Mr. S. N. Bansod *[Signature]*
 Dr. P. S. Mahalle *[Signature]*
 S. P. Tinkhede *[Signature]*

[Signature]
 Head
 Department of Zoology
 Dept. of Zoology
 Vinayak Vidyan Mahavidyalaya
 Nandgaon Kh.

Vinayak Vidyan Mahavidyalaya, Nandgaon (Kh)
 Session: 2022-23
 Department: Zoology
 B.Sc. III, Sem V (Winter)
Project Assignment

Alloted Date: 24/11/2021

Submission Date: 30/11/2022

Sr. No.	Name of Students	Project Title	Teacher Incharge	Signature of Students
1	Aman Ashpak Makwani	Biodiversity of Birds at Baslapur Nursery and Malkhed Dam Tahsil Chandur Rly, Dist Amravati	S. N. Bansod	<i>[Signature]</i>
2	Achal R. Hambard			<i>[Signature]</i>
3	Achal D. Deshmukh			<i>[Signature]</i>
4	Achal Nandkishor Charde			<i>[Signature]</i>
5	Akshada D. Dhandare			<i>[Signature]</i>
6	Amruta Sopan Kale			<i>[Signature]</i>
7	Arpita Pradiprao Thakare			<i>[Signature]</i>
8	Ashutosh Dilip Ingole			<i>[Signature]</i>
9	Deep Chaudhary			<i>[Signature]</i>
10	Kiran Raju Banarase			<i>[Signature]</i>
11	Kirti Dilip Pophale	Use of different herbicides, pesticides and insecticides in Nandgaon Tahasil	Dr. G. S. Pachlore	<i>[Signature]</i>
12	Komal D. Pand			<i>[Signature]</i>
13	Komal Jitendra Sen			<i>[Signature]</i>
14	Mayuri Pravin Kapade			<i>[Signature]</i>
15	Mayuri Rameshwar Deotale			<i>[Signature]</i>
16	Mo Anas Mo Mustafa Makwani			<i>[Signature]</i>
17	Nikhil Nandu Praghane			<i>[Signature]</i>
18	Pranay Sanjay Marape			<i>[Signature]</i>
19	Pratik Kameshwar Inzalkar			<i>[Signature]</i>
20	Vaishnavi Ravindra Zatale			<i>[Signature]</i>
21	Pratik Pramodrao Chaudhari	Blood group Survey of students and staff of Vinayak Vidyan Mahavidyalaya, Nandgaon (Kh)	Dr. S.P. Tinkhede	<i>[Signature]</i>
22	Pratiksha Anand Ingole			<i>[Signature]</i>
23	Priyanka Rajkumar Gajbihiye			<i>[Signature]</i>
24	Rakhi Ruprao Sanone			<i>[Signature]</i>
25	Ravina Sandip Navnare			<i>[Signature]</i>
26	Rina Pravin Pophale			<i>[Signature]</i>
27	Sakshi Rameshwar Gulhane			<i>[Signature]</i>
28	Sakshi Santosh Inzalkar			<i>[Signature]</i>
29	Samiksha Pramod Dakare			<i>[Signature]</i>
30	Sejal Gajananrao Chandurkar			<i>[Signature]</i>

31	Sharayu Purshottam Chaudhari	Biodiversity of fishes at Baslapur fishery and Malkhed dam tahsil Chandur Rly, Dist. Amravati	Dr. P. S. Mahalle	<i>[Signature]</i>
32	Shital Subhashrao Lonare			<i>[Signature]</i>
33	Shital Vijay Gadhave			<i>[Signature]</i>
34	Shivani Jyapalsingh Chavhan			<i>[Signature]</i>
35	Shradha Anilrao Bankar			<i>[Signature]</i>
36	Shreya Gajanan Dhoke			<i>[Signature]</i>
37	Shreyasvi Ramesh Devtale			<i>[Signature]</i>
38	Snehal Balu Kaware			<i>[Signature]</i>
39	Vaishnavi Damodhar Rumme			<i>[Signature]</i>
40	Vaishnavi Ravindra Khobragade			<i>[Signature]</i>
41	Rohan Jadhav	<i>[Signature]</i>		
42	Nir Kashik R. Melwure	<i>[Signature]</i>		

Teacher incharge

Dr. Pratibha Mahalle (HOD) *[Signature]*
 Dr. Gajendrasingh Pachlore *[Signature]*
 Mr. Subodh Bansod *[Signature]*
 Dr. Swapnil Tinkhede *[Signature]*

[Signature]
 Head
 Dept. of Zoology
 Vinayak Vidyan Mahavidyalaya
 Nandgaon Kh.

Botany



Project Topics: B.Sc. II Sem IV (Summer 23)

Session 2022-23

Date: 18 April 2023

Sr. No.	Name of Students	Topics	Date	Signature
1	Aarati N. Mokalekar	Cell wall - Structure and Functions	18/4/2023	A.N. Mokalekar
2	Adarsh S. Pande	Mitochondrial DNA and Chloroplast DNA	18/4/2023	Adarsh Pande
3	Adeeba Anam	Nomenclature of Enzymes	18/4/2023	Adeeba Anam
4	Aditya K. Pawar	Mitochondrial DNA and Chloroplast DNA	18/4/2023	Aditya Pawar
5	Aniket R. Chawale	Mitochondrial DNA and Chloroplast DNA	18/4/2023	Aniket Chawale
6	Aniket S. Meshram	Mitochondrial DNA and Chloroplast DNA	18/4/2023	Aniket Meshram
7	Anisha V. Deshmukh	Cell wall - Structure and Functions	18/4/2023	Anisha Deshmukh
8	Ankush M. Joshi	Numerical aberrations of chromosome	18/4/2023	Ankush Joshi
9	Anushri G. Rohankar	Numerical aberrations of chromosome	18/4/2023	Anushri Rohankar
10	Amrapali R. Kale	Numerical aberrations of chromosome	18/4/2023	Amrapali Kale
11	Ashwini D. Tirmare	Cell wall - Structure and Functions	18/4/2023	Ashwini Tirmare
12	Ashwini R. Wankhade	Numerical aberrations of chromosome	18/4/2023	Ashwini Wankhade
13	Ayan N. Khan	Characteristics of Enzymes	18/4/2023	Ayan Khan
14	Bhushan Y. Chawale	Chromosome- Morphology	18/4/2023	Bhushan Chawale
15	Diksha V. Khobragade	Cell wall - Structure and Functions	18/4/2023	Diksha Khobragade
16	Gaurav M. Avhale	Chromosome- Morphology	18/4/2023	G.M. Avhale
17	Gaurav R. Rathod	Structural aberrations of chromosome	18/4/2023	G.R. Rathod

18	Hassan R. Khan	Nomenclature of Enzymes	18/4/2023	Hassan R. Khan
19	Indrajeet P. Tirsinge	Structural aberrations of chromosome	18/4/2023	Indrajeet Tirsinge
20	Jayshri S. Solanki	Plasma membrane - Structure and Functions	18/4/2023	J. S. Solanki
21	Jyotsna G. Laybar	Gene mutations- Spontaneous and Induced	18/4/2023	Jyotsna Laybar
22	Leena G. Ghodeswar	Plasma membrane - Structure and Functions	18/4/2023	Leena Ghodeswar
23	Maar M. Sayyed	Characteristics of Enzymes	18/4/2023	Maar Sayyed
24	Mamta V. Vaidya	Chromosome- Morphology	18/4/2023	Mamta Vaidya
25	Mohini S. Makode	Gene mutations- Spontaneous and Induced	18/4/2023	Mohini Makode
26	Nayana D. Gopnarayan	Plasma membrane - Structure and Functions	18/4/2023	Nayana Gopnarayan
27	Pallavi V. Khane	Plasma membrane - Structure and Functions	18/4/2023	P.V. Khane
28	Payal D. Burade	Nomenclature of Enzymes	18/4/2023	Payal Burade
29	Pooja D. Zodape	Nomenclature of Enzymes	18/4/2023	Pooja Zodape
30	Pranjita P. Buzalkar	Cell cycle: Meiosis	18/4/2023	Pranjita Buzalkar
31	Prince A. Nandagawaj	Characteristics of Enzymes	18/4/2023	Prince Nandagawaj
32	Reva M. Godam	Cell cycle: Meiosis	18/4/2023	Reva Godam
33	Robini J. Babarupi	Gene mutations- Spontaneous and Induced	18/4/2023	Robini Babarupi
34	Rushi S. Gadge	Characteristics of Enzymes	18/4/2023	Rushi Gadge
35	Sakshi S. Bavankule	Gene mutations- Spontaneous and Induced	18/4/2023	Sakshi Bavankule
36	Salman Kh. Y. Khan	Structural aberrations of chromosome	18/4/2023	Salman Khan
37	Sanika S. Lute	Cell cycle: Meiosis	18/4/2023	Sanika Lute
38	Sk. Sohail Sk. Rashid	Structural aberrations of chromosome	18/4/2023	Sk. Sohail Rashid
39	Shradha R. Dhage	Cell cycle: Meiosis	18/4/2023	S.R. Dhage
40	Sneha M. Sarpatse	Cell cycle: Mitosis	18/4/2023	S.M. Sarpatse
41	Syed U. Syed Jameel	Characteristics of Enzymes	18/4/2023	Syed Jameel
42	Tejas P. Tambatkar	Chromosome- Morphology	18/4/2023	Tejas Tambatkar
43	Vaishnavi A. More	Cell cycle: Mitosis	18/4/2023	V.A. More
44	Vaishnavi R. Ghawat	Cell cycle: Mitosis	18/4/2023	V.R. Ghawat
45	Yogini L. Mate	Cell cycle: Mitosis	18/4/2023	Yogini Mate
46	Zuberka G. Pathan	Characteristics of Enzymes	18/4/2023	Zuberka Pathan

Dr. Suchita Khodke
Head Department of Botany
Vinayak Vidyan Mahavidyalaya
Nandgaon Kh.

iv. Debate Competition



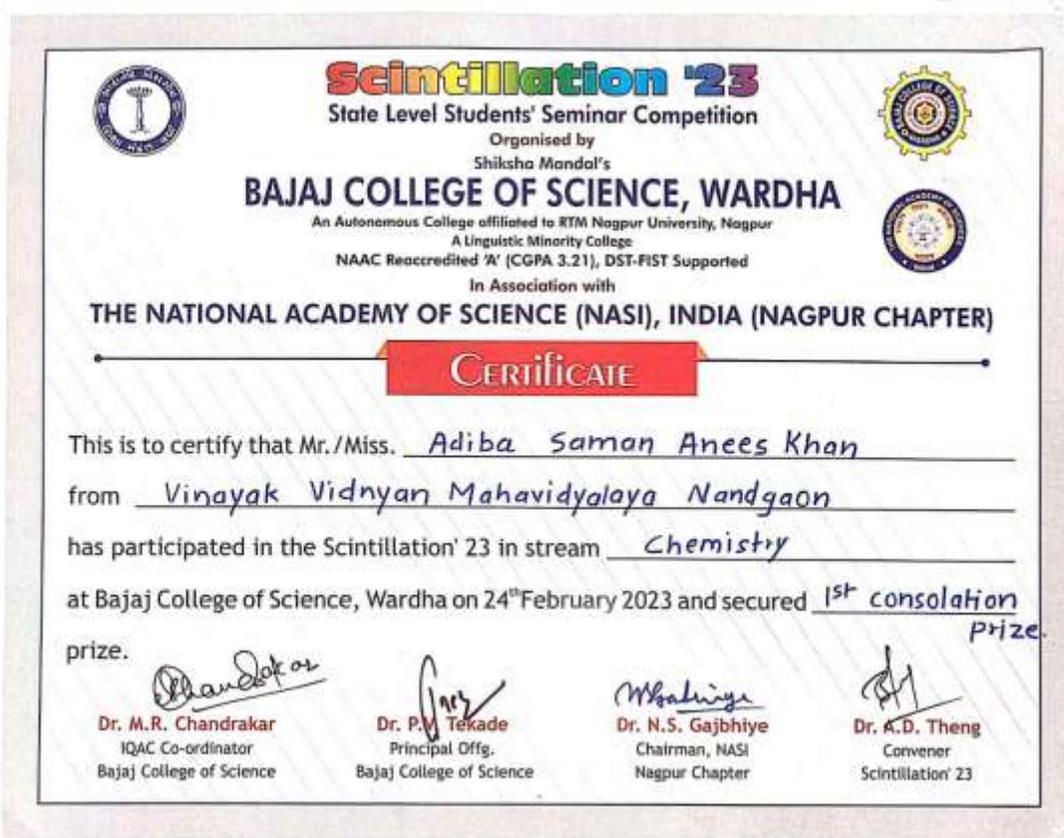
Miss Shreya Dhoke participate in university level intercollegiate seminar competition



Certificate of Miss Shreya Dhoke



Miss Adiba Sanam Anees Khan participate in state level students seminar competition at Wardha



Certificate of Miss Adiba Sanam Anees Khan

v. Certificate courses

विनायक विज्ञान महाविद्यालय, नांदगाव खंडेश्वर
महिला कक्ष
Certificate Course on Public Speaking in Marathi and English
Duration: From 7th September to 23rd September-2022

भाषण कला
संवाद कौशल्य
भाषा
वक्ता दशसहस्रेषु
वक्तृत्व
भाषण कौशल्य
संवाद कला
उत्कृष्ट वक्ता

श्री. राजीव तापडे
इंग्रजी विभाग

श्री. रुपेश फुके
मराठी विभाग

ज्या विद्याध्यानी संचालन , भाषण, प्रस्तुतिक, आधार प्रदर्शन विकसनाची इच्छा आहे. अशा विद्याध्यानी कोशास्य विकसित करण्याकरिता तशीत certificate course संपार करीता आहे. इच्छुक विद्याध्यानी आपले नाव 7 सप्टेंबर 11.00 am पर्यंत नोंदवावे.

Contact: Dr. P. B. Deshmukh - 8329712600

SANT GADGE BABA AMRAVATI UNIVERSITY, AMRAVATI AFFILIATED

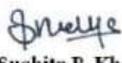
Pravin Khodke Memorial Trust Amravati's
Vinayak Vidnyan Mahavidyalaya
Tq. Nandgaon Khandeshwar, Dist. Amravati
DEPARTMENT OF PHYSICS

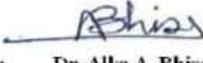
**CERTIFICATE COURSE ON DESIGN & FABRICATION OF
REGULATED DC POWER SUPPLY**

From 14/11/2022 to 30/11/2022


Dr. Prashant B. Kharat
Course Coordinator
Dr. PRASHANT B. KHARAT
Assistant Professor
Department of Physics
Vinayak Vidnyan Mahavidyalaya,
Nandgaon Khandeshwar, Amravati


Dr. Anant S. Wadatkhar
Head, Department of Physics
Dr. Anant S. Wadatkhar
Assistant Professor and Head
Department of Physics
Vinayak Vidnyan Mahavidyalaya
Nandgaon (Kh.), Dist. Amravati


Dr. Suchita P. Khodke
IQAC Coordinator
I.Q.A.C. Co-ordinator
Vinayak Vidnyan Mahavidyalaya,
Nandgaon Kh.


Dr. Alka A. Bhise
Principal
PRINCIPAL
Vinayak Vidnyan Mahavidyalaya,
Nandgaon Khan. Dist. Amravati

vii. Avishkar-2023

Commerce

Report

Every year Sant Gadge Baba Amravati University organise a AVISHKAR , A research convention for the affilisted college studnets of undergratuate and Post graduate level along with a category also for the studnets those who are pursuing PhD's. The Avishkar for the year 2022 was conducted from 10th December to 14th December at district level at Amravati, Washim, Buldhana , Akola ,Yavatmal on various dates. This district level Avishkar got huge responses from all the affilisted collges of that particular District. The Amravati District Avishkar was was organised at P.R.Pote College of engineering and Management, Amravati. The host institute organised the event on 12th December 2023. There were entries from various category as mentioned by the AVISHKAR team of Sant Gadge Baba Amravati University. Thus entries from Category 1: Humanities, Languages and Fine Arts Category 2: Commerce, Management and Law Category 3: Pure Sciences Category 4: Agriculture and Animal Husbandry Category 5: Engineering and Technology Category 6: Medicine and Pharmacy were called. There were entries at two differenet level Undergraduate and Post Graduate level along with Post Post Graduate Sudent (PPG).

Vinayak Vidnyan Mahavidyalaya, Nandgaon khandeshwar participated on Avishkar 2022 in various category of Science , Commerce , Agriculture medicine etc. The Institute received the email and broucher regarding the schedule of the Avishkar 2022 and thus started to plan the entry. The principal of the institute appointed Dr Gajendrasingh Pachore , Assistant Prof. dept Zoology as the coordinator of the AVISHKAR 2022. The Coordinator latter issued a notice to the studnets informing the important dates , rules and categories of AVISHKAR 2022. All the heads of the departmet informed the studnets about this science convention and its importance. With active participation of all the department this year the institute managed to participate in Pure Science , Humanities Language and Fine Arts, Commerce management and Law , Agriculture and animal husbandary.

Department of Chemistry: Participated in two Pure science category

- a) To compare the cleansing property of different detergents by using stalgmometer.
Ms Vaishnavi Bhojar, Ms Achal Agham, Mr Vishal Bhagve. Represented the project with poster presentation at the District Avishkar Center. The project was guided by Mr Nilesh Padole, Assistant Professor and Head Dept. of Chemistry.
- b) Study of Alkanity of water samples from different region of Nndgaon Khandeshwar Taluka.
Ms Shreyashwi Devtale and Shivani Chavhan represented the project with poster presentation at the the District Avishkar Center. The project was guided by Ms Kavita Kakde, Assistant Professor Dept. of Chemistry.

Department of Physics: Participated in two Engineering and Technology category

- c) Automatic clap switch for operating home appliances
Mr Ajay Bisne represented the project with poster presentation at the District Avishkar Centre. The project was guided by Dr Prashant Kharat, Assistant Professor Dept. of Physics.
- d) Low Cost Voltage regulator Device for laboratory use.
Mr Karan Brahmanwade represented the project with poster presentation at the District Avishkar Center. The project was guided by Dr Prashant Kharat, Assistant Professor Dept. of Physics.
- e) Microneedle platform
Mr Mayur M. Tayade represented the project with poster presentation at the District Avishkar Center. The project was guided by Dr Prashant Kharat, Assistant Professor Dept. of Physics

Department of Botany: Participated in Agriculture and Animal Husbandry category

- f) Hydroponics: A Soilless Culture for propagation of Plants.
Ms Shreya Dhoke and Ms Sakshi Gulhane Represented the project with Model at the District Avishkar Center. The project was guided by Dr Suchita Khodke, Assistant Professor and Head Dept. of Botany.

Department of Commerce: Participated in CML and HLF category.

- g) E-Commerce Business Model.
Mr Sameer Popalghate and Mr Ram Dudhe represented the project with model at the District Avishkar Centre. The project was guided by Dr Yogesh Gawali, Assistant Professor Faculty of Commerce.
- h) Financial Investment Calculator
Mr. Sagar Dandge and Mr. Ankush Chavhan represented the project with model at the District Avishkar Centre. The project was guided by Dr Yogesh Gawali, Assistant Professor Faculty of Commerce.
- i) Durables from Waste
Mr Atharva Chinchapure represented the project with model at the District Avishkar Centre. The project was guided by Dr Yogesh Gawali, Assistant Professor Faculty of Commerce.

The Financial investment calculator Project was shortlisted earlier for University level competition which was scheduled on 16th and 17th December 2022 at Sant Gadge Baba Amravati University, Amravati. And later again the same was shortlisted and got selected for the State level Avishkar held at Savitribai Phule Pune University, Pune. The institute won colour coat in Avishkar Event in the CML undergraduate category with Mr Sagar Dandge and Mr Ankush Chavhan adjudged as winner and stood first in this above category.





G. S. Pachore.
Coordinator
Avishkar 2022-23


PRINCIPAL
Vinayak Vidyaayan Mahavidyalaya,
Nandgaon Khun, Dist, Amravati







Sant Gadge Baba Amravati University, Amravati
AAVISHKAR 2022
*A Research Competition that promotes a Platform to Global Innovative Ideas,
Original Thinking, Innovative Attitude and Creativity.*

CREATE	SUSTAIN	PROSPER
PHASE - I		
DISTRICT LEVEL AAVISHKAR		
Venue & Dates		
DISTRICT	VENUE	DATE
Amravati District	S. S. Patil College of Engineering and Management, Amravati	12/12/2022
Akola District	Shri. S. L. C. College of Science, Akola	18/12/2022
Buldhana District	Pankaj Laddhad Institute of Tech. & Management Studies, Buldhana	15/12/2022
Washim District	M.S.P. Arts, Science & ERT Commerce College, Masara, District Washim	30/12/2022
Yavatmal District	Aaradhyaheed Mahavidyalaya, Yavatmal	14/12/2022
PHASE - II		
UNIVERSITY LEVEL AAVISHKAR		
Sant Gadge Baba Amravati University, Amravati		
Date - 16 - 17 December, 2022 Time - 8.30 am to 5.00 pm		

District Level

AAVISHKAR 2022"

DEPARTMENT OF CHEMISTRY
VINAYAK VIDNYAN MAHAVIDYALAYA
NANDGAON KHANDESHWAR.



SANT GADGE BABA AMRAVATI UNIVERSITY, AMRAVATI
Pravin Khodke Memorial Trust's
Vinayak Vidnyan Mahavidyalaya
Tq. Nandgaon Khandeshwar, Dist. Amravati

Date: 14th December 2022

Activity Report

Name of the event	AVISHKAR- 2022
Organizing Institute	Sant Gadge Baba Amravati University, Amravati.
Place	P. R. Pote College of Engineering and Management, Amravati.
Date	12th December 2022
Participating Department	Department of Chemistry
Category	Pure Science
Duration	1 Day
Organized for	All classes of B.Sc. Students
Mode of Presentation	Poster.
Number of students participated	Four (04)
Achievement	Participation Certificates.
College Coordinator	Dr. Gajendrasingh Pachlore, Department of Zoology.

Every year, Sant Gadge Baba Amravati University, Amravati has organizes "AVISHKAR" competition for UG and PG students. The main motive behind organization of this event is

- a. To inculcate research culture among the students.
- b. To encourage original and novel thinking.
- c. To provide an opportunity for expression of academic talent.
- d. To provides academic platform for the students to interact.

This year District level competition was organized on 12th December 2022 at P. R. Pote college of Engineering and Management, Amravati. There was total SIX categories where students could participate.



During the competition, students were asked by the juries about their selection of poster for the competition. Students also presented their poster to the juries during the competition. Participated students shown great satisfaction towards the selected topics for the competition. They also thanked the university efforts to support the student's scientific approach which will be fruitful in the future. Students also expressed their gratitude towards the college who supported the students for the participation in the competition. Evry student received certificate of participation for the competition.



Certificates of Participation.

ii. Guest Lectures

Commerce



SANT GADGE BABA AMRAVATI UNIVERSITY, AMRAVATI AFFILIATED
Pravin Khodke Memorial Trust's
Vinayak Vidnyan Mahavidyalaya
Tq. Nandgaon Khandeshwar, Dist. Amravati

Report Guest Lecture - Indian Taxation

The Department of Commerce and Management of Vinayak Vidnyan Mahavidyalaya, Nandgaon Khandeshwar Dist. Amravati organized for a guest lecture on the topic Income Taxation by Dr. J.D. Gupta on date 16th Nov 2022 at 2.30. Dr. J.D. Gupta currently works as a Professor, Department of Commerce, K.L. College Amravati. The topic of the research was Income Tax and filing of returns, which is an important concept for students to learn. The opening address was given by Dr. Prafullkumar N. Tayade - (Head - Department of Commerce and Management), He started with a brief introduction on Income Tax as most of them are aware of the concept continuing with the explanation on Filing of Returns and its importance.



Dr. J.D. Gupta enlightened the Indian Tax System and its role in revenue generation. He compared the tax system of different countries and highlighted the various measures which other countries were adopting. He quoted the words of Albert Einstein "... complicated income tax is the hardest thing in the world to understand..." through which he explained the complexity of Indian income tax structure. It was a very interactive session which was supported by practical examples given by the resource person.

Mr. Nishant Jaiswal (Assistant professor- Department of Commerce and Management ,) thanked the resource person for educating the students about the new changes in the taxation system of India. Dr. Dashrath V Kale , Dr. Yogesh S. Gawali other faculty members were also present in the session.



Head
Dept. of Commerce
Vinayak Vidnyan Mahavidyalaya
Nandgaon Kh.

Dr. Prafullkumar N Tayade ,
Head
Department of Commerce and Management
Vinayak Vidnyan Mahavidyalaya
Nandgaon (kh) Dist Amravati



SANT GADGE BABA AMRAVATI UNIVERSITY, AMRAVATI AFFILIATED
Pravin Khodke Memorial Trust's
Vinayak Vidnyan Mahavidyalaya
Tq. Nandgaon Khandeshwar, Dist. Amravati

Report

Guest Lecture - Indian Banking System

Department of Commerce and Management , Vinayak Vidnyan Mahavidyalaya - Nandgaon Khandeshwar , Dist Amravati organized a guest lecture on Indian Banking System on 23rd Nov 2022 at 2.30 pm . The opening address was given by Dr. Prafullkumar N. Tayade - (Head - Department of Commerce and Management),. He motivated all the students and wished them to perform at their best.



The Resource Person Dr. Nakul A Deshmukh (Assistant Professor , R.D.I.K.& B.D. College Badnera) shared high vast knowledge about banking sector.He provided the knowledge about functioning of various Financial Institutions like Banks, Mutual Funds, Insurance Companies and Corporate and explained the role of regulatory bodies namely, Reserve Bank of India, Security Exchange Board of India and Insurance Regulatory Development Authority of India, in protecting the interest of investors by devising various policies and guidelines to regulate the Indian Financial System. He elucidated the role of Information technology in bringing revolutionary changes in the banking sector. He pointed the increasing scope of career opportunities in financial market for Management graduates in fields of Sales, Marketing, Operations, Advisory and shared various Entrepreneurship business ideas related to financial market.

At the end of the session, Dr. Nakul Deshmukh thanked to the students and the faculty members for being such a lovely audience and congratulated everyone for being a part of this guest lecture. Dr.Yogesh Gawali and Mr. Nishant Jaiswal felicitated the guests with an eco friendly sapling & memento. A vote of thanks was given by Dr. Dashrath V Kale , who thanked him for sharing his valuable knowledge, wisdom and experience by sparing his valuable time.



Head
Dept. of Commerce
Vinayak Vidnyan Mahavidyalaya
Nandgaon Kh.

Dr Prafullkumar N Tayde
Asst. Professor & Head Dept. Of Commerce
Vinayak Vidnyan Mahavidyalaya
Nandgaon (Kh)

Chemistry



VINAYAK VIDYAN MAHAVIDYALAYA, NANDGAON
KHANDESHWAR
DEPARTMENT OF CHEMISTRY
ORGANIZED
ONE DAY GUEST LECTURE ON
"PHASE RULE"



For the students of B.Sc. Part I Semester I (2022-23)



SANT GADGE BABA AMRAVATI UNIVERSITY, AMRAVATI AFFILIATED

Pravin Khodke Memorial Trust's
Vinayak Vidnyan Mahavidyalaya
Tq. Nandgaon Khandeshwar, Dist. Amravati

Date: 26th November 2022

Activity Report

Organizing Department	Department of Chemistry
Convener	<u>Dr. Vinod M. Sherekar</u>, Assistant Professor.
Coordinator	<u>Mr. Nilesh S. Padole</u>, Head of Department.
Organizing secretary	<u>Dr. Kavita P. Kakade</u>, Assistant Professor.
Activity	Guest Lecture on the topic “Phase Rule”
Schedule	<u>25th November 2022</u>
Duration	1 Day, 1PM Onwards
Organized for	<u>B.Sc. Part I Semester I Students</u>
Resource Person	<u>Dr. Amol P. Thakare</u>, Assistant Professor, Department of Chemistry, Rajarshee Shahu Science College, Chandur Railway.
Number of participated students	Thirty-Four (34)

Activity Information

The department of Chemistry of Vinayak Vidnyan Mahavidyalaya, Nandgaon Khandeshwar had organized one day guest lecture on the topic “**Phase Rule**” for the students of class **B.Sc. Part I Semester I** on **25th November 2022** from **1PM** onwards in the Botany Laboratory.

The president for the program was respected **Dr. Alka A. Bhise, Principal**, Vinayak Vidnyan Mahavidyalaya, Nandgaon Khandeshwar. The guest speaker for the program was **Dr. Amol P. Thakare**, Assistant Professor, Department of Chemistry, Rajarshee Shahu Science College, Chandur Railway.

The program was started by welcoming all the guest by **Dr. Vinod M. Sherekar**. Afterwards, **Mr. Nilesh S. Padole** had introduced guest speaker with students.

In next session, guest speaker had delivered a nice lecture on the topic **“Phase Rule”** which covered all the aspects of the desired topic. During the session, students also gave good positive response to the speaker by interacting with guest speaker. At last students raise some difficulties which were answered by the resource person.

Total **34** students from the class B.Sc. Part I Semester had attended the guest lecture. At the last half of the program, **Dr. Kavita Kakade**, Assistant Professor had given the vote of thank.

