

VIDYA VIKAS SHIKSHAN SANSTHA, HINGANGHAT
VIDYA VIKAS ART'S, COMMERCE & SCIENCE COLLEGE,
SAMUDRAPUR DIST. WARDHA 442305 (M.S.)
 (Affiliated To RTM Nagpur University, Nagpur)



DEPARTMENT OF BOTANY

Report 2023-24

1. Faculty profile

Sr. No	NAME	DESIGNATION	QALIFICATION	EXPERIENCE(Years)
1	Dr. Nayana S. Shirbhate	Asst. Prof. & Head	M.Sc.(Bot.), NET, Ph.D.	13 years perms.
2	Dr.V. G. Manwatkar	Assistant professor	M.Sc. (Bot.), B. Ed., Ph.D.	11 year permanent
3	Dr. S.D. Yeotkar	Assistant professor	M.Sc. (Bot.), M.Phil., Ph.D.	9 year perm.
4.	Ms. S. W. Gulhane	Assistant professor (CHB)	M.Sc.(Bot.), SET, B.Ed.	5 Years
5.	Ku. J. M. Jasutkar	Assistant professor (CHB)	M.Sc. (Bot.), B. Ed., Ph.D.	4 Years
4.	Mr. R. S. Pawar	Assistant professor (C.H.B. P.G.)	M.Sc. (Bot.), B. Ed., Ph. D (Peru.)	4 Years
5.	Miss. A. Thakare	Assistant professor (C.H.B. P.G.)	M.Sc. (Bot.), B. Ed., Ph. D (Peru.)	3 Years

2. Students Profile

Class	Admitted Students	Appeared for exam	Pass	Success %	Fail
B.Sc. Sem. I					
B.Sc. Sem. II					
B.Sc. Sem. III	96	95	95	100%	00

B.Sc. Sem. IV					
B.Sc. Sem. V	84	80	80	100%,	60
B.Sc. Sem. VI					
M.Sc. Sem. I	15	15	01	6.66%,	14
M.Sc. Sem II					
M.Sc. Sem.III	07	07	05	71.42%,	02
M.Sc. Sem IV					

3. Changes made in the courses or programmed during the past two years and the contribution of the faculty to those changes.

a) Changes made in the course of programme during the past two years

Major changes in the syllabus of B. Sc. Semester V to VI and M.Sc. Sem. I to IV in the subject of Botany according to NEP which have been come to effect from the session 2023-24 for PG and 2024-25 For UG. Faculty members involve in entire procedure for designing syllabus of both UG and PG as a board member of Botany.

4. The learning resources of the department

Library

- In Botany, our library has 417 books costing of Rs. 2, 12,379 up to 30/04/2024 and also forms a sectional library of Botany. Sectional library has total 102 different books and journals. These books are handed over to students for the regular use by the college library.
- In Library number of Journals and Magazines.
- Provide Internet Facility and also N- List online journal are available.

5. Number of major and minor Instruments in the Department

- In Botany Department has 51 instruments Costing Rs. 6, 50, 238 up to 30/4/2024. These instruments use students for regular practical's.

6. Study Tour:

Department of Botany, VidyaVikas Arts, Commerce and Science College, Samudrapur organizes excursion for all students of UG (CBZ group) and PG (Botany) to Excursion to

Shradheya Shri Atal Bihari Vajpayee Botanical Garden, Visapur Dist. Chandrapur. Tour was organized by Dr. N.S. Shirbhate and Dr. V.J. Manwatkar took special efforts.

7. Modern teaching methods practiced and use of ICT in teaching – learning

a) Teaching methods:

- Plain Lecture, Question-answer, Interaction, Group discussion, field study, etc.
- Explanation using Charts like RBPT and Power point presentations.
- Use Smart board for teaching, smart class room available in college

b) Evaluation methods:

- Students are evaluated time to time, for that purpose following practices are conducted viz. Oral, Unit-tests, Seminars, Term-end exam., Home assignments, University examination, surprise test and working and field based project is used through online mode on Google form.

c) Use of ICT:

- LCD Projector, Computer, Scanner, Internet facilities, smart class room etc.

8. Participation of teachers in academic and personal counseling of students

The teachers of the department interact with the students personally at the time of teaching to conduct some extra classes during remedial coaching under mentor – mentee system. During this interaction students can talk freely with the teachers. From this interaction the faculty comes to know the socioeconomic background of the student. Teaching faculty can solve personal difficulties of the students & also give personal financial assistance to needy students. The faculty also does academic as well as personal counseling in selecting the proper carrier in future.

FACULTY INFORMATION

Participation/contribution of teachers to the academic activities including teaching, consultancy and research:

A) Teaching work load

Sr. No.	Name of the lecturer	Class	Periods Allotted		Total Work Load	Extra
			L	P/T		
1	Dr., N. S.	B.Sc. sem. I /II	01	06	20	02
		B. Sc sem. III /IV	00	06		

	Shirbhate	B. Sc. V/VI	01	06		
		M.Sc. Sem. I/II	02			
		M.Sc. Sem. III/IV				
2	Dr. V.G. Manwatkar	B.Sc. sem. I/II	01	06	23	03
		B. Sc sem. III /IV	01	06		
		B. Sc. V/VI	00	09		
3	Dr., S. D. Yeotkar	B.Sc. sem. I /II	00	03	20	00
		B. Sc sem. III /IV	01	09		
		B. Sc. V/VI	01	06		
4	Ms. S. W. Gulhane	B.Sc. sem. I /II	03	2	9	0
		B. Sc sem. III /IV	00	2		
		B. Sc. V/VI	00	2		
5	Ku. J. M. Jasutkar	B.Sc. sem. I /II	03	2	9	0
		B. Sc sem. III /IV	00	2		
		B. Sc. V/VI	00	2		
6	XYZI (CHB)	B. Sc. V/VI	03	0	9	0
		B.Sc. sem. I /II	03	0		
		B. Sc. V/VI	03	0		
7	Mr. R.S. Pawar	M.Sc. Sem. I /II	4	6	20	0
		M.Sc. Sem. III/IV	4	6		
8	Miss. Ankita Thakare	M.Sc. Sem. I /II	4	6	20	0
		M.Sc. Sem. III/IV	4	6		

B) Participation in co- Curricular activities:

- 1. Induction Programme of Department of Botany:** Student Induction Programme was organized for the new students as soon as they come into the institution; before regular classes start. At the start of the induction, Dr. Nayana Shirbhate H. O.D. massages the students to learn about the departmental policies, programme, practices, culture and values.
- 2. Plantation:** Department carried out activity every year, plantation activity improves beautification of our campus and students become aware about the environment. A range of 64 plants were planted in college campus which includes the plants like Wanda, Kadam, Neem, Karanji, Bougainvillea etc.
- 3. Organized rare and seasonal vegetables Exhibition:** As a part of Curriculum, for Botany students Department of Botany organized rare and seasonal vegetables, Exhibition in Botany Department, VVM, Samudrapur and in this activity women's of Jivonnati Abhiyan ,Samudrapur also took part.
- 4. Inauguration of Botanical society and Guest Lecture:** Every year the Department of Botany, Vidya Vikas Arts, Commerce and Science College, Samudrapur reforms the

Botanical Society with specific aims and objectives for conducting various programmes. This year the Botanical Society was reformed on 4th September 2023. The main purpose of the formation of botanical society is to select the student panel called the Executive Council designated with different positions and execute their role while conducting the various events in the college and there is a scope to show their talents. Dr. K. G. Dubye, Ex-Professor & Head, Department of Botany, J. B. College of Science, Wardha, Maharashtra delivered a guest lecture on "Organic Farming".

5. **NEP Workshop:** NEP Orientation Programme for staff and students of M. Sc.-I Semester-I was done in August 2023.
6. **Excursion tour:** P. G. Department of Botany, Vidya Vikas Arts, Commerce and Science College, Samudrapur was organized excursion on 30th January 2024 for PG (Botany) to Shradheya Shri Atal Bihari Vajpayee Botanical Garden, Visapur Dist. Chandrapur.
7. **Guest Lecture:** On February 16, 2024, the Botany Department of Vidya Vikas Arts, Commerce and Science College in Samudrapur had the honour of having a guest lecture titled "Towards Research" with the goal of enhancing the research skills of its students. Mr. Rahul Parmane, Research Scholar, Department of Chemical Engineering, Institute of Chemical Technology, Mumbai, a renowned researcher with extensive experience in the field of research, delivered the lecture.
8. **Celebration of National Science Day:** On the occasion of National Science Day 28th February 2024, the P. G. Department of Botany asks the students to prepare models on Innovative Agricultural Farming. The aim of this activity, students should aware about various innovation in agriculture and increase interaction and networking among students by the active participation of students in preparation of different agricultural models.
9. **The "World Water Day"** celebration was organized on 22nd March 2024 at Vidya Vikas Arts, Commerce and Science College, Samudrapur. The chief guest was Dr. M. S. Ambatkar, Professor, Department of Zoology, V. V. C. Samudrapur. The World Water Day celebrated on March 22nd every year to raise awareness about the importance of water.

Extra-Curricular activities:

1. College and self-Development Activities

- Plantation; College campus, Village, Garden, etc.
- Library facility Use; use of N-List, books reading, etc
- Internet Facility Use: Use of Computer lab through students
- Physical Education: Use of Gym, games, etc.

C) Priority Areas of Research: -

- ❏ **Ms. Nayana S. Shirbhate, Assistant Prof. & Head:** Total paper published in different international and national reputed , high impact factor and Scopus indexing journals 27, Published 6 books, innovation of 2 Patents, 1 Minor research Project Sanctioned under the RGSTC Scheme No.RTMNU/DIIL/RW/2022/369 and Recognized research guide for supervising Ph.D. Scholars
- ❏ **Dr. V.G. Manwatkar, Assistant Professor:** Total paper published in different international and national reputed and high impact factor journals 18, published 6 book, 2 chapters in book, innovation of 2 Patents and Recognized research guide for supervising Ph.D. Scholars.
- ❏ **Dr. S.D. Yeotkar, Assistant Professor:** Total paper published in different international and national reputed journals 15, published 5 books and innovation of 1 Patents.

Place: Samudrapur

Date:- 2 May 2024


Principal
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