



VIDYA VIKAS SHIKSHAN SANSTHA, HINGANGHAT
VIDYA VIKAS ARTS, COMMERCE & SCIENCE COLLEGE,
SAMUDRAPUR DIST. WARDHA 442305 (M.S.)

(Affiliated to Rashtrasant Tukdoji Maharaj Nagpur University, Nagpur)

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(NAAC Accredited B++ 2022)

DEPARTMENT OF BOTANY

Report 2025-26

1. Faculty profile

Sr. No	NAME	DESIGNATION	QALIFICATION	EXPERIENCE(Years)
1	Dr. Nayana S. Shirbhate	Associate Prof. & Head	M.Sc.(Bot.), NET, Ph.D.	16 Years
2	Dr. V. G. Manwatkar	Associate professor	M.Sc. (Bot.), B. Ed., Ph.D.	13 Years
3	Dr. S.D. Yeotkar	Assistant professor	M.Sc. (Bot.), M.Phil., Ph.D.	12 Years
4	Ms. S. W. Gulhane	Assistant professor (CHB)	M.Sc.(Bot.), SET, B.Ed.	7 Years
5	Ku. J. M. Jasutkar	Assistant professor (CHB)	M.Sc. (Bot.), B. Ed., Ph.D.	7 Years
4	Mr. R. S. Pawar	Assistant professor (C.H.B. P.G.)	M.Sc. (Bot.), SET, B. Ed., Ph. D (Peru.)	7 Years
5	Miss. A. Ahmed	Assistant professor (C.H.B. P.G.)	M.Sc. (Bot.), Ph. D (Peru.)	1 Years

2. Students Profile

Class	Admitted Students	Appeared for exam	Pass	Success %	Fail
B.Sc. Sem. I	37	37			
B.Sc. Sem. II					
B.Sc. Sem. III	23	23			

B.Sc. Sem. IV					
B.Sc. Sem. V	81	79			
B.Sc. Sem. VI					
M.Sc. Sem. I	8	7	5	71.42%	2
M.Sc. Sem II					
M.Sc. Sem.III	22	22	21	95.45%	1
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 I 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 30/04/2026 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 30/4/2026. These instruments use students for regular practicals.

6. 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, Hands-on Practical, Field Visits and Excursions.

- Use of e-contents and Online Platforms.
- Use Smart Board for teaching, a smart classroom available in the college.

b) Evaluation methods:

- Students are evaluated time to time, for that purpose, the following practices are conducted viz. Oral, Unit-tests, Seminars, Term-end exam., Home assignments, University examinations, surprise tests, field-based projects, practical records and Viva, etc.

c) Use of ICT:

- LCD Projector, Computer, Scanner, Internet facilities, smart classroom etc.

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

The faculty members of the department actively engage with students on a personal level during regular teaching sessions and by conducting additional remedial classes under the mentor–mentee system. These interactions create a supportive environment where students can communicate openly with their teachers. Through such engagement, faculty members gain insight into the socio-economic backgrounds of students.

The teaching staff not only addresses academic concerns but also helps students with personal challenges, sometimes even extending financial support to those in need. In addition, faculty members provide both academic and personal counseling, guiding students in making informed decisions about their future careers.

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
			L	P/T	
1	Dr. N. S. Shirbhate	B.Sc. sem. I /II	1	4	15 Hrs.
		B. Sc sem. III /IV	2	4	
		B. Sc. V/VI	0	4	
2	Dr. V.G. Manwatkar	B.Sc. sem. I /II			15 Hrs.
		B. Sc sem. III /IV	2	6	
		B. Sc. V/VI	1	4	

3	Dr. S. D. Yeotkar	B.Sc. sem. I /II	1	2	17 Hrs.
		B. Sc sem. III /IV	3	6	
		B. Sc. V/VI	1	4	
4	Ms. S. W. Gulhane	B.Sc. sem. I /II	4	2	9 Hrs.
		B. Sc sem. III /IV	0	0	
		B. Sc. V/VI	3	0	
5	Ku. J. M. Jasutkar	B.Sc. sem. I /II	3	4	9 Hrs.
		B. Sc sem. III /IV	2	0	
		B. Sc. V/VI	0	0	
6	XYZ1 (CHB)	B. Sc. V/VI	0	0	04 Hrs.
		B.Sc. sem. I /II	0	0	
		B. Sc. V/VI	0	4	
7	Mr. R.S. Pawar	M.Sc. Sem. I /II	4	6	20 Hrs.
		M.Sc. Sem. III/IV	4	6	
8	Miss. A. Ahmed	M.Sc. Sem. I /II	4	6	20 Hrs.
		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. messages the students to learn about the departmental policies, programme, practices, culture and values.
- 2. Tree Plantation Drive:** Every year, the department hosts a plantation activity that raises students' awareness of environmental issues and enhances the campus's appearance.
- 3. Wild Vegetable Exhibition:** Wild Vegetable Exhibition was organized on 1st August 2025 in collaboration with Marathi Vigyan Parishad, Students and Members of the Mahila Bachat Gat. The purpose of the programme is to create awareness about the nutritional, medicinal, and economic importance of wild vegetables and also highlight their role in traditional diets and local biodiversity conservation.
- 4. Inauguration of Botanical Society and Guest Lecture:** On 16th September 2025, the Department of Botany, Vidya Vikas Arts, Commerce, and Science College, Samudrapur, organized a special programme on the occasion of World Ozone Day 2025. On this day,

the Botanical Society was formally announced. As part of the event, an insightful guest lecture was delivered by Dr. N. S. Shirbhate on the topic “Power of Plants”, wherein he discussed the significance of plants in ecological balance, recent scientific advancements, and their vital role in sustaining life on Earth. Her lecture encouraged students to think critically about plant conservation and biodiversity.

5. **One Day State Level Workshop:** One day state level workshop on “Ethnobotany in Practice: Identification, Cultivation and Utilization of medicinal Plants” in collaboration with WARSA: Ethnic Knowledge Heritage Society, Anjangaon Surji Dist. Amravati was organized on 20th September 2025.
6. **Study Tour:** The Department of Botany, Vidya Vikas Arts, Commerce and Science College, Samudrapur organized an educational excursion for UG and PG science students on 21st August 2025 to Seven Sisters Hill, Sonapur (Dist. Chandrapur) and Muktai Waterfall & Forest, Chimur. The study tour provided students with an immersive learning experience amidst natural landscapes, highlighting the rich biodiversity of the forest ecosystem, ecological interactions, and plant as well as animal diversity in their natural habitat. Students from all science faculties actively participated, which made the excursion more interdisciplinary and comprehensive. The purpose of this excursion was to enrich students’ knowledge of botany, zoology, ecology, and conservation, while also encouraging a deeper appreciation for the importance of protecting biodiversity.
7. **Guest Lecture:** On February 8, 2026, the Botany Department of Vidya Vikas Arts, Commerce and Science College in Samudrapur had the honour of having a guest lecture titled "Plant Systematics" to understanding of the principals, scopes and application of plant systematics. Dr. Sandeep Hate, Assistant Professor, Department of Botany, DRB Sindhu Mahavidyalaya, Nagpur, a renowned researcher with extensive experience in the plant identification and classifications.
8. **Science Day Celebration:** The Department of Science at Vidya Vikas Arts, Commerce and Science College, Samudrapur, celebrated National Science Day with great enthusiasm on 5th March 2026. The programme aimed to promote scientific temper among students and to honor the contributions of eminent scientists to society. The event was graced by several distinguished dignitaries. Dr. K. G. Rewatkar (Principal) presided over the programme as the President, while Dr. N. S. Shirbhate (President, Nagar Parishad, Hinganghat and Secretary, Vidya Vikas Education Society, Hinganghat) attended as the Chief Guest. Dr. Shirbhate delivered an insightful guest lecture on the

topic “Women in Science.” The event was successfully organized under the guidance of Dr. V. G. Manwatkar and Dr. S. D. Yeotkar, Programme Coordinators.

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, Associate Prof. & Head:** Total paper published in different international and national reputed , high impact factor and Scopus indexing journals 38, Published 9 books, innovation of 6 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 6 students working under able guidance, awarded with Dr. APJ Abdul Kalam Life Time Achievement award for remarkable achievement in the field of Teaching, Research and Publication. National Institute for Socio Economic Development, Bangalore and Young Faculty 2021, Contribution towards Education Skill Development and Research awarded by Center for Education Growth and Research (CEGR), New Delhi.

 **Dr. V.G. Manwatkar, Associate Professor:** Total paper published in different international and national reputed and high impact factor journals 24, published, innovation of 3 Patents, 6 books, 6 chapters in book 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 22, published, innovation of 2 Patent, and 3 chapters in book.

 **Mr. R. S. Pawar, Assistant Professor (CHB):** Total 08 papers published in different International and National reputed high impact factor journals, innovation of 02 International Patent (UK Design Patents), and 05 chapters in the Book.

Place: Samudrapur

Date: - 30/04/2026


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