

M.S.P ARTS, SCIENCE & K.P.T COMMERCE COLLEGE

MANORA, DIST.WASHIM

Departmental Profile



- 1. Name of the Department** : **CHEMISTRY**
- 2. Year of Establishment** : UG - 1994 (Reopen in 2003)
- 3. Infrastructure of the Department** : UG Lab -600 Sq. ft.
: Research lab - 600 Sq. ft.
- 4. Details of Staff Members** : **01 (Senior College)**

	Name of the faculty members	Educational Qualification	Designation	Experience (Yrs)		Specialization
				Teaching	Research	
1	Dr. N. S Thakare	M. Sc., M.Phil, Ph. D.	Principal & HOD	25	15 yr	Physical Chemistry
2	MR. S. D. Ingole	M. Sc. NET JRF	Assistant Professor	07	0	Organic Chemistry
3	Dr. S. D. Bhagat	M.Sc., B.Ed., Ph.D	Assistant Professor	6 month	0	Organic Chemistry
4	Mr. C. U. Dhanwad	M.Sc. NET	Assistant Professor	6 month	0	Organic Chemistry

5. Details of Administrative/ Technical Staff:

Sr. No.	Name of Technical Staff	Qualification	Designation
1	Mr. Pankaj Ingole	12 th	Lab Assistant
2	Mr. Sandeep Thakare	12 th	Lab Attendant

6. Students Strength from 2014-2019

Sr. No	Session	B.Sc. I			B.Sc. II			B.Sc. III			Total	% M	%F
		Total Student	M	F	Total Student	M	F	Total Student	M	F			
1	2014-15	100	62	38	54	29	25	26	11	15	180	56.67	43.33
2	2015-16	103	47	56	58	30	28	36	18	18	197	48.22	51.78
3	2016-17	97	48	49	74	25	49	34	14	20	205	42.44	57.56
4	2017-18	107	48	59	64	27	37	54	22	32	215	45.12	54.88
5	2018-19	83	30	53	86	32	54	54	24	30	223	38.57	61.43
Total		490	235	255	336	143	193	204	89	115	1020	45.78	55.20
As compare to 1 st Cycle, Average increase in total student strength is 54.74 %													

7. Success rate of each program. Its comparison with University results:

Program	2014-15	2015-16	2016-2017	2017-2018	2018-2019
B.Sc. I	42.11%	54.55%	41.94%	75.75	63.23
B.Sc. II	25.00%	29.41%	41.67%	59.01	54.76
B.Sc. III	47.06%	90.91%	20.00%	75.47	85.71

8. Number of faculty members on University Bodies / and other academic bodies and social organizations. Their role in curriculum designing and college development.

: 01 (Dr. N. S. Thakare)

- Member of Academic Council SGB Amravati University Amravati.
- Member of Research and Recognition Committee (SGBAU Amravati)
- Ex. Senate Member

9. Learning resources of Department (Laboratories, Computers / Internet / Departmental library etc.)

- ✓ Departmental Laboratories – Separate Laboratories for U.G., and Research.
- ✓ Computers / Internet - faculty members have their own laptops.

- ✓ No Departmental library.
- ✓ LCD projector for essential routine lecture as well as seminars.

10. Enhancement of the resources during last three years.

- ✓ Internet facility for the teaching staff, and UG students.
- ✓ LCD projector for lectures and seminars.
- ✓ Up gradation of Laboratories with equipments like, Distillation, Water analysis kit, Spectrophotometer, UV Cabinet and etc.
- ✓ Laboratory Visit is conducted every year to visit different research laboratories of colleges.
- ✓ Guest Lectures of specialist teachers in fields related to Chemical sciences are arranged under the banner of Guest Lecture series.
- ✓ Chemistry software use for the betterment of teaching learning process.

11. Modern teaching methods in use:

- ✓ The most faculty members actively make use of audio visual aids to make the teaching effective.
- ✓ Along with books the faculty members also make use of internet for up gradation of their teaching material.
- ✓ With the modern audiovisual aids the faculty members also make use of models and charts in the process of teaching.
- ✓ To make the teaching learning process more efficient the students are encouraged to deliver seminars and group discussion, quiz competitions etc.

12. Conferences/ workshops/ seminars/ symposia organized by the Department.

- ✓ Two workshop organized by the department for students for encourage them and to cultivate the scientific temper among them.
 - 1) Workshop on " Soil analysis"
 - 2) Workshop on " Characterization of Organic Compounds".



Mr. Omkar K. Kapse HOD Department of Chemistry
M.N.G. Science College Babhulgaon

Dr. T. S. Dalvi, Senior Associate Professor, Department
of Chemistry, Nashik

13. Evaluation methods:

- ✓ To evaluate the student's performance, regular unit tests and annual test examination (both in theory and practical) are conducted.
- ✓ Quiz, Seminars and poster presentation are encouraged to evaluate student's interest in academic as well as extracurricular activities.
- ✓ The staff members also use to evaluate the students on the basis of their behavior in the classroom as well as college premises.

14. Participation of teachers in academic activities other than teaching and research:

- All the members of department have active participation in various co-curricular and extra curricular activities of the college. They have worked as member of several committees for organizing seminars, youth festival, sports meet, admission and other cultural activities.
- **Dr. N. S Thakare involved** in the college web site development, Research Committee.
- **Mr. S.D. Ingole** involved in Admission committee, Academic and administrative development Committee, Library Advisory Committee.
- All other staff members are working as members of various committees.

15. Research activities:

- A. **M. Phil Dissertations** : 01
- B. **Recognized Ph. D. Supervisors** : Dr. N. S Thakare
- C. **Ph. D. Students** : **10 (06 Awarded Ph.D.)**
- D. **Research papers published** : 25
- E. **Research projects** : 03

Research projects completed : 02 Minor Completed, 01 Major Ongoing .

16. Books published by the staff members: 02 Chapter in Book

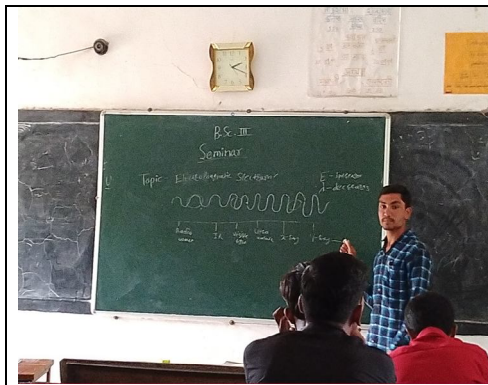
17. Participation of the staff in extension activities:

- Dr.N. S Thakare extends the knowledge of Drinking water and other aspects related to the subject.
- Each faculty member of the department sponsors an award (Teacher sponsor awards) for the top rankers in University examination from each class.

- All faculty members actively guide the students of various secondary and higher secondary education institutes in the city for the projects.

18. Activities of the students:

- Seminar Competition, Group Discussion and Poster Presentation.



Students of B.Sc. – III year Presenting seminar on different topics of Chemistry.



Students of final year discussing on different topics of chemistry.



Students presenting posters in Poster Presentation Competitions.

- Regular Lab visit of UG Students to research laboratory.



Visit to the department of chemistry, Shri Shivaji College Akola





Mr. S.D. Ingole giving information about IR instrument in Shivaji College Akola.

- Science Day celebration.






Every year on 28th Feb Department celebrate the National Science day by keeping different Intercollegiate competition like Seminar and poster.

- **Extension Activity “ Drinking Water analysis of Manora Region”.**

	<p>Students collected different drinking water samples Manora region.</p>
<p>Analysis of Collected water samples in the Chemistry laboratory on Water analysis kit.</p>	

- **Guest Lectures**

		
<p>Mr. R.E. Khadse delivering guest lecture on IR Spectroscopy.</p>	<p>Dr. Ravi Jumale delivering guest lecture on colligative properties.</p>	<p>Mr. R.N. Ingole delivering guest lecture on Co-ordination chemistry.</p>

19. Achievement of students during last 05 years :

09 Students admitted in reputed institute for P.G. in Chemistry Subject.

05 Students got the employment.

20. Plan of action for next three years:

- ✦ Making students aware of recent trends in chemistry.
- ✦ Making well equipped laboratory in near future.
- ✦ Organizing academic events like seminar, poster & quiz competitions and workshop.
- ✦ Undertake Research Activities & Case Studies for Final Year Students.
- ✦ To organize conferences.
- ✦ To Start PG course in Chemistry.
- ✦ To organize certificate courses related to Job and technical instrumental skill.
- ✦ To organize training programs.
- ✦ To conduct research project to local society problems.
- ✦ To start certificate course for Adulteration, Soil analysis and Water analysis.
- ✦ To Develop lab for soil and water analysis.
- ✦ To start the skill oriented program.