



DEPARTMENT OF CHEMISTRY

Report 2023-24

1. Faculty profile

Sr. No	NAME	DESIGNATION	QUALIFICATION	EXPERIENCE (Years)
1	Dr. MEGRASHAM N. NARULE	Asst. Prof. & Head	M.Sc., M.Ed., Ph.D. (Chem.) Ph.D. (Management)	14 years
2	Dr. R. G. GAJBHIYE	Assistant professor	M.Sc., NET, SET, GATE, Ph.D.	14 years
3	Ms. S. W. AWAGHADE	Assistant professor	M.Sc., SET	12 years

2. Students Profile

Class	Admitted Students	Appeared for exam	Pass	Success %	Fail
B.Sc. Sem. I	157	157	134	91.64	23
B.Sc. Sem. II	157	157			
B.Sc. Sem. III	123	121	121	100	00
B.Sc. Sem. IV	123	121			
B.Sc. Sem. V	112	111	104	93.69	07
B. Sc. Sem VI	112	111			
M.Sc. Sem. I	13	13	01	7.69	12
M.Sc. Sem II	13	13			
M.Sc. Sem III	13	13	01	7.69	12

M. Sc. Sem IV	13	13			
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3. Changes made in the courses or programmed during the past two years and the contribution of the faculty to those changes.

Minor changes in the syllabus of B. Sc. Semester I to VI in the subject chemistry Specially the B.Sc VI Sem Syllabus is Change which have been come to effect from the session 2019- 20 and onwards.

P.G. Course that is M.Sc. Chemistry (CBCS) is running smoothly with RTM Nagpur University guideline with no changes in syllabus.

4. The learning resources of the department

Library

- In Library related to Chemistry numbers of books are available for student related to their syllabus as well as reference books.
- 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 Chemistry Department has 60 major and minor instruments Costing Rs. 674267.

6. Inauguration of Chemical Society and Guest lecture

Inauguration of Chemical Society and Guest lecture is arranged for students.

7. Poster competition and Model Exhibition

On the occasion of Science day on dated 28/02/2024 we organized Model Exhibition for B Sc V Semester and M. Sc. students.

On the occasion of Science day on dated 28/02/2024 we organized poster competition for B Sc V Semester M. Sc. Students.

8. Guest lecturer and group discussion activity

- Name of Program / Event : Chemical Society Inauguration and Celebration of World

Environmental Health Day.

- **Name of the Organizing Department:** Chemistry (UG +PG)
- **Date, Venue, Time/ Duration:** 27th September 2023, Auditorium Hall
- **Number of participated students/ faculty members/ research scholar:**
- **Name of the speaker / guest:** Dr. Meghshyam Narule
H.O.D. Department of Chemistry

- **Introduction of the event:**

- The Chemical Society of Department of Chemistry was inaugurated on 27th September 2023 by Dr. Meghshyam Narule, H.O.D. Department of Chemistry. The inauguration commenced with the lighting of lamp by faculty Dr. M.N. Narule, Dr. R.G. Gajbhiye, Mrs. S. W. Awaghade, Mr. Bulhe, Ms. Ankita Bobade. Afterwards, faculty of Chemistry department welcomed by students with blossoming bouquet of flowers. Mr. Ashish Zade President of the Chemical Society took the privilege to introduce the society team and programs organized by society for session 2023-24. Society souvenir was unveiled by the dignitaries on this occasion.

Later, Dr. M.N. Narule delivered a valuable lecture on "World Health Environmental Day" He raises the awareness about the crucial role of Environmental factor play in our health and wellbeing. This year's the theme for WEHD 2023 was "Healthy Environments, Healthy Communities," emphasizing the interconnectedness between environmental health and community well-being. Ms. Divya Ghugase on behalf the Chemical Society offered vote of thanks to all, including HoD - Chemistry and the faculty advisors without whom event of this kind wouldn't have been possible.

- **Objective of the event:**

- Forming chemical society, the students get involved in various activities done by chemistry department.
- It enhances the leadership quality and knowledge of subject in students.
- Hearing new voices provides students not only with different points-of-view, but also with potential resources they can apply in later course
- To build a bond between students and faculty.



Outcomes

- Chemical society formation and their work structure had to be done in this programme.
- World Environmental Health Day-2023 was a significant milestone in the ongoing effort to promote healthy environments and communities.

9. Industrial Visit

Due to completion of syllabus we are not arrange industrial tour's.

10. Bridge course

Department arranged Bridge course For B. Sc 1st semester students.

11. Value added course

Department arranged value added course on soil analysis.

12. Power point Presentation

Name of Program: Power point Presentation

- Name of the Organizing Department: Department of Chemistry
- Date, Venue, Time/ Duration: 28/02/2024.
- Number of participated students : 40
- faculty members : 03

Introduction of the event: Students of B Sc v semester give the power point presentation on various topic of their syllabus. The 47 students from B Sc V semester and three faculty –Dr. M. N. Narule, Dr. R. G. Gajbhiye and Bobade madam was participated in this industrial visit.

Objective of the event:

1. Students are aware about ppt.
2. Students are knowledge about formation of ppt.
3. Students are knowledge who to represent.

Photographs:



13. Model Presentation on Organic Farming

Name of Program: Model Presentation

- Name of the Organizing Department: Department of Chemistry
- Date, Venue, Time/ Duration: 28/02/2024,
- Number of participated students : 30
- faculty members : 03

Introduction of the event: Students of B Sc v semester give the Model Presentation on

Organic Farming. The 30 students from B Sc V semester and three faculties -Dr. M. N. Narule, Dr. R. G. Gajbhiye and Bobade madam was participated in this industrial visit.

Objective of the event:

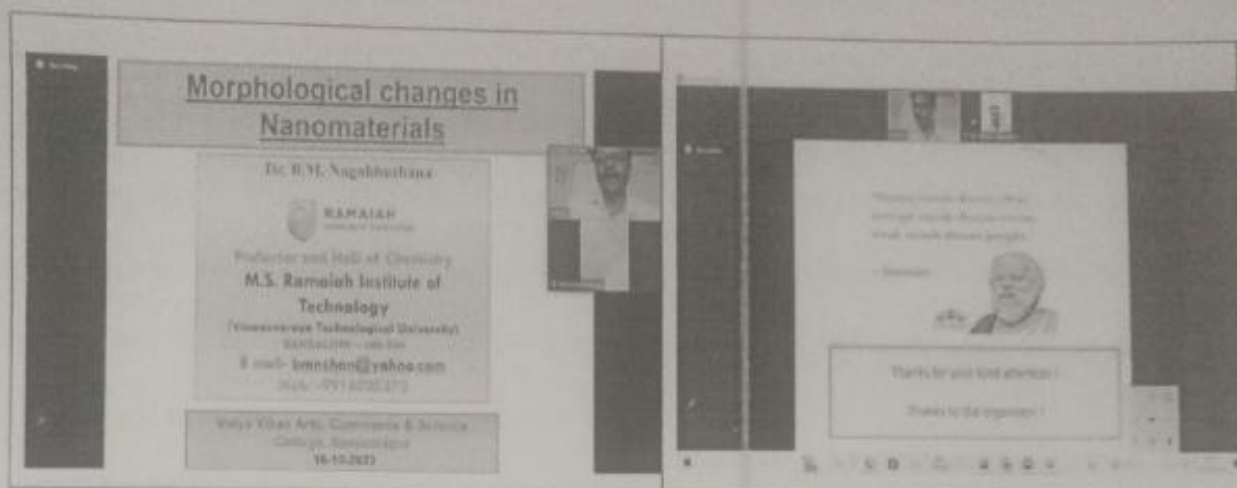
1. Students are aware about model.
2. Students are knowledge about formation of model.
3. Students are knowledge who to represent good model.

Photographs:



14. One Week Online International Workshop

Vidya Vikas Arts, Commerce & Science College, Samudrapur, Dist. Wardha (Maharashtra) in collaboration with Matoshri Ashatai Kunawar Womens College, Hinganghat Dist. Wardha (Maharashtra), Department of Chemistry and Department of Physics jointly organized One Week Online International Workshop on "Nano-Engineering in Science and Technology" on dated 16th – 22nd October, 2023.



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

a) Teaching methods:

- Online Plain Lecture, Question-answer, Interaction, Group discussion, etc.
- Demonstration of practical's.
- Explanation using Charts and Power point presentations.
- College has provided very good well-equipped laboratory facility. We use to conduct all the experiment in laboratory.
- Use internet facilities for providing recent information.
- Use Smart board for teaching. smart class room available in college
- Use different reference books, journals, periodicals. etc.

b) Evaluation methods:

- Students are evaluated time to time, for that purpose following practices are conducted viz. On line Unit-tests, Seminars, Term-end exam. Home assignments, University examination.

c) Use of ICT:

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

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

The teachers of the department interact with the students in the laboratory personally at the time of practical and conduct some extra classes during remedial coaching under mentor mentees system. During this interaction students can talk 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. Help them in their problem how to solve and motivate to learn more and more and becomes a good person in their life.

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	Subject	Class	Periods Allotted		Total Work Load	Extra	Remarks
				1	P/T			
1	Dr. MEGHASHAM N. NARULE	Chemistry	B.Sc. sem. I/ II B. Sc sem. III/ IV P. Sc. III	00 03 02	00 06 09	20	00	
2	Dr. RAHUL G. GAJBHIYE	Chemistry	B.Sc. sem. I/ II B. Sc sem. III/ IV B. Sc. III	02 02 00	12 00 06	22	02	
3	Ms. SHITAL W. AWAGHADE	Chemistry	B.Sc. sem. I/ II B. Sc sem. III/ IV B. Sc. III	03 00 03	06 06 03	21	01	

B) Participation in co- Curricular activities:

Sr. No.	Name of Programme	Date	Name of Organizer
1.	Admission Committee UG.	11 June to 15 sep.	Dr. Shirbhate/ all science faculty members
2.	PG admission	11 June to 15 sep.	Prof. R. G. Gajbhiye
3.	Industrial Visit	1-10 March	Dr. Narule & Prof. Gajbhiye

Extra Curricular activities:

- College and self Development Activities
- Library facility Use; use of N-List, books reading, etc

- Internet Facility Use: Use of Computer lab through students
- Social Activities

C) Priority Areas of Research: -

1. **Dr. MEGHASHAM N. NARULE:** Head, Department of Chemistry

- Details of Ongoing Projects: 02 submitted DST & SERB
- Publications in 2023-24: 03
- Conferences attended and paper presentations: 01
- Refresher Course/ Orientation course and Workshop : 00

2. **Dr. R. G. GAJBHIYE-** Assistant Professor, Department of Chemistry

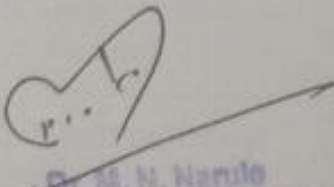
- Publications in 2023-24: 04
- Conferences attended and paper presentations: 00
- Refresher Course/ Orientation course and Workshop : 00

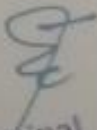
3. **Mrs. S. W. AWAGHADE-** Asst. Professor, Department of Chemistry

- Publications in 2023-24: 00
- Conferences attended and paper presentations: 02
- Refresher Course/ Orientation course and Workshop : 01

Place: Samudrapur

Date: - 18 April 2024


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