

DEPARTMENT OF CHEMISTRY

About The Department :

The department of chemistry is started from June 1963. Our department is working under the headship of Dr. Waghmare R S. We are proud of resourceful library and well equipped department. The department sincerely conducts class test, seminars, tutorials, group discussions, etc. Students strength is increased year by year. Teachers are very keen on updating knowledge, by attending seminars, Workshops held at various places. Study tours also have rightful places in duration of B.Sc course. The laboratory of department is quite spacious and well ventilated. Master's Degree Course M.Sc in Organic Chemistry was Started in 2021 duration of two years .

Objectives:

1. To develop the research culture among the students teacher community.
2. To encourage the students to achieve excellence in their work & perform.
3. To encourage students for preparing various competitive exams
4. To develop good practices in laboratory and handle various instruments.

DEPARTMENTAL TEACHER' s PROFILE

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Expert Area : Organic Chemistry



Course Details:

Sr.No.	Programme	Programme Details	Duration
1	B. Sc (Chemistry)	Credit & Semester pattern	3 Years
2	M. Sc (Chemistry)	Credit & Semester pattern	2 Years

SWOC Analysis:

Strength :-

1. Well equipped laboratories
2. Department's alumni join universities in abroad for their Ph.D and post doc .
3. Qualified and experienced faculty
4. Faculty actively involved in administrative work .

5. Imparting value based education with interactive and blended learning .
6. Industrial visits to different industries to develop interest of students towards chemistry and also developing interest on the part of employment .
7. Digital classrooms .
8. Lectures with advanced ICT tools .

Weakness :-

- 1) The physical infrastructure is also not adequate for the introduction of new courses at present .
- 2) The number of students pursuing science is decreasing .
- 3) Too much burden for the teachers as they have to execute both academic and administrative works to encounter shortage of teaching and non teaching staff.
- 4) No collaboration and MOUs with other institutes.

Opportunities :-

1. To have collaboration with industries .
2. Linkages with research institute .
3. Confidence building through seminars and group discussions and personality development through interactive sessions .
4. Students are motivated and guided by able faculty member to get higher degree and appear in NET , SET and other competitive exams .
5. Department gives platform to the students to show their potential and knowledge by mentoring through mentor-mentee activities , conducting seminars and giving projects
6. To start PG courses in other specializations of chemistry .
7. To start certificates and diploma courses related to chemistry .
8. To increase industry and students interaction .
9. To encourage students and teachers to increase their research abilities through participation iAvishkar and similar activities held by different universities .
10. To organize a inter-college and inter-university chemistry competition for UG and PG students (exams similar to Chemiad and M.J college exam).
11. To organize extra lectures for NET/SET/GATE/PET/BARC/JAM/TIFR/ONGC and other similar competitive exams .

Challenges / Threats :-

1. To organize national conference .
2. To establish collaboration with industry for research .
3. To cope up with students from rural background .
4. To convince students for enrolling in chemistry specialization .
5. To organize international webinars .
6. To increase awareness towards chemistry as a career .
7. Scarcity of funds for chemicals .
8. Need of departmental library consisting access to recent research papers , journals , reference books and e-books .