

**“Dissemination of Education for Knowledge, Science and Culture”
Shikshanmaharshi Dr.Bapuji Salunkhe**

Shri Swami Vivekanand Shikshan Sanstha, Kolhapur

**Name of the college: Dattajirao Kadam Arts, Science and Commerce College,
Ichalkaranji.**

Departmental Profile 2018-2019

- 1) Name of the department:** Chemistry
- 2) Date of Establishment:** 15th June 1962
- 3) Head of the Department:** Dr. Anita A. Ghare

Dattajirao Kadam Arts, Science and Commerce College, established in 1962 has been long recognized as premier institution for higher education in Ichalkaranji. The department of Chemistry of this college has very stimulating graduate teaching programme. Due to academic excellence and achievement, Chemistry department is finest department for science in Ichalkaranji and nearby locality.

The result of B.Sc.-III for academic year 2017-2018 was 94.26 % and list of top rankers is as follows.

1. Miss. Kandekar Darshana Prakash (92.83 %)
2. Miss. Magdum Shradha Banderao (91.83 %)
3. Miss. Bhosale Anuja Vijay (90.83 %)
4. Miss. Chavan Komal Bhimashankar (90.83 %)
5. Miss. Kanire Pooja Mahavir (89.67 %)

From academic year 2016-17, department has started 6 months career oriented certificate course entitled **“Preparation of Household Chemicals”** for B.Sc. III students and course is co-ordinated by Dr. A. S. Tapase. The department has good departmental library facilities with collection of more than 139 reference books also has access to e-books and journals through INFLIBNET.

The department has been running remedial classes for benefit of slow-learners and advanced coaching for fast learners. Department has organized two days M.Sc. entrance workshop for B.Sc. III students to make them familiar about the nature of question paper and guidelines regarding the study and how to face entrance examination. As a result, our 28 students were enrolled for M.Sc. in Department of Chemistry, SUK, affiliated colleges of SUK and Sanjay Ghodawat University, Atigre. Some students admitted to M.B.A. and M.S.W. course.

Department has organized one day workshop on “**Intellectual Property Rights**”. In this workshop Prof. Dr. Anil V. Ghule, Department of Chemistry, Shivaji University, Kolhapur guided the students about intellectual property rights and Patent filing process.

The departmental faculties have taken initiative for research. Dr. A. A. Ghare was awarded **Ph.D.** degree in chemistry by Shivaji University, Kolhapur on 5/11/2018. In this academic year she has published one research paper in international journal. Dr. A. S. Tapase received grant worth Rs. 10,000 under “**Research Sensitization scheme**” of Lead cluster college, Shivaji University, Kolhapur. She has presented her research work as poster in national conference on “**Recent Trends in Chemistry and Material Science**” organized by Department of Chemistry, Shivaji University, Kolhapur on 9/2/2019. Our CHB faculty members Mr. V. B. Shinde, and Mr. D. J. Sutar pursuing Ph. D degree in Shivaji University, Kolhapur.

Teaching, learning and evaluation are the heart of education system. To enhance the learning experience of students, numbers of student centric methods were adopted by the department.

- 1) Field projects and Lab projects for B. Sc.- III students
- 2) Group discussion activity on subject “Environmental Pollution and Its Solution” for B.Sc.-I students.
- 3) Brain storming sessions were conducted on topic “Beat Plastic Pollution” for B.Sc.-II Div-A , “Modern Innovations in Chemistry” for B.Sc.-II Div-B and “Role of Chemistry in society” for B.Sc.-I students.
- 4) Soil and Water analysis activity for B.Sc.-III students
- 5) Seminar activity for B.Sc.-III students on every Wednesday
- 6) Two ICT based online tests were conducted on kahoot for B.Sc.-III Students.
- 7) B.Sc.-III students with faculty members attended one day workshop on “**Lab safety**” organized by Sanjay Ghodawat University, Atigre. Dr. Grover from NCL, Pune guided about lab safety. Practical demonstration to control the fire was given by Jivrakshak Dinkar Kamble (Rescue Expert)

For development and capability enhancement number of activities were conducted.

- 1) Bridge Course was conducted for Fresh B.Sc.-I students at start of the first term.
- 2) Mock teaching event organized for B.Sc.-III students on occasion of Teachers day.
- 3) For career counseling, two guest lecturers were organized for B.Sc.-I, II, III students on topic “Career Opportunities in Chemistry” by Dr. Pallavi D. Bhange, Sanjay Ghodawat University, Atigre, Kolhapur and “Guidance on competitive examination of Banking and Central government departmental posts” by Mr. P. C. Kudalkar, Officer, Bank of India.

Throughout the academic year, students were evaluated by number of internal evaluation processes such as home assignment, surprise test, open book test, group discussion, pre-semester exam, subject related field projects etc.

Department has organized various extension activities such as orphanage visit (Balodyan at Abdullat), Cleaning programme and tree plantation programme at village Rui., Public awareness programme on use of water and harmful effects of pesticides on soil, plants and human being, Departmental study tour was arranged to visit Gagangiri, Sindhudurg and Tarkarli and institutional visit at Sanjay Ghodawat University, Atigre for B.Sc.-III students

MoU's / Collaborations: Chemistry department has formed MoU's with different industries in Ichalkaranji for academic and employment purpose, B.Sc.-III students visited The Laxmi Co-op. Processors Ltd., Ichalkaranji and Understood all the chemical treatments applied for bleaching and coloring of fabrics. Some B.Sc.-III students completed their projects in Vanita Agro Pvt. Ltd.

The Department has organized various events for social, academic, mental and personal enrichment of students. The events organized are

- 1) On occasion of Ozone Day, Department has organized Poster presentation, Essay writing and Elocution contest on the subject "Ozone Depletion and Prevention measures".
- 2) Wall paper exhibition on subject "Beat plastic pollution".
- 3) Organized Power point presentation competition on theme "Science for people and people for science" on the occasion of National science day.
- 4) Organized Half pitch Cricket matches for B. Sc.-III students for boys and girls of B.Sc.III
- 5) Cultural Programme was organized for B.Sc.-III students. Students participated in Singing and mimicry.
- 6) Department of Chemistry organized seminar on "Fundamental Rights, Duties of Indian Citizens". Seminar was delivered by our faculty member Mr. S. R. More.
- 7) Essay writing Competition on "Indian Philosophy of Truth, Non-violence and Love".
- 8) Gurupornima and Teachers Day celebration by Department.

Best practices of Department are

- 1) Birthday celebration of teaching and non-teaching staff of the department of Chemistry.
- 2) Project work for B. Sc.-III students - Preparation of Natural Dyes and Indicators.

Placement:

From Our department, Miss. Poonam Mangsule and Mr. Rajesh More were selected for the post of Home guard Police, government of Maharashtra.

Besides academics our students also engaged in different sports and cultural activities at various levels. Miss. Aishwarya N. Yadav and Miss. Akshata T. Khedkar won number of prizes

in Elocution competitions at district, university, sanstha and state level. Miss. Vidya A. Kapale participated in Ek Bharat Shrestha Bharat-II N.C.C. camp at Nehru Arts and Science College, Kanhangad, Kerala. from 22/12/2018 to 02/01/2019. She achieved winner trophy for Tug of war and runner up trophy for volley ball.

(Dr. A. A. Ghare)