



## DEPARTMENT OF CHEMISTRY, VSSD COLLEGE, KANPUR

Vikramajit Singh Sanatan Dharma College, Kanpur was established in the year 1921. The Department of Chemistry was founded in the science faculty in the year 1957. The regular classes at postgraduate level our commenced in the year 1964. In early years, many students used to joined the department from different states of our country specially Andhra Pradesh, Karnataka, Kerala, Madhya Pradesh and Tamil Nadu. It shows the academic excellence of Chemistry Department since its beginning. Twenty-one posts were sanctioned for teaching faculty and at present seventeen faculty members are working.

Founder Head of the Chemistry Department was Dr. H. R. Nanada who took charge on 1st July 1957. At present the eminent faculty members are Prof. Nand Lal, Prof. Vikas Singh Gangwar, Dr. Gyan Prakash, Dr. Ashish Kumar Singh, Dr. Sandeep Kumar Singh, Dr. Kiran Singh, Dr. Neelam Pal, Dr. Kavita Srivastava, Dr. Anuradha Tiwari, Dr. Shalini Dwivedi, Sri Ashok Singh, Smt. Brajesh Nainvi, Sri Ranjeet Kumar, Sri Sunil Kumar Gupta, Dr. Deep Kumar Rathour and Sri Ashish Raina. All the faculty members are actively involved in teaching as well as in research work. The keen interest of faculty members in research work can be seen through their publications in various National and International Journals.

The Laboratories of Chemistry Department are well equipped. There is a separate research lab for research scholars. Many students have completed their research work and have been awarded the Ph.D. degree. So many research projects, funded by different government agencies, have been completed in the department. Consequently many patents have been filed and they were granted.

To provide better academic facilities to the postgraduate students, in the year 1981 "P.G. Chemical Society" was established in the department in the year 1981. Founder Teacher - in - charge of this society was Dr. V.N. Badoni. After it Dr. Hare Ram Tripathi and Dr. Santosh Kumar Tripathi ran it successfully. At present Dr. Ashish Kumar Singh is actively involved in conducting different academic activities for the students. This society provides rare combination of books and also organizes various valuable lectures by eminent personalities of the different field for both UG and PG students.

The alumni of this department have made their valuable contributions in different fields of society. Sri Virendrajit Singh (Student of 1957 batch, a renowned CA, Secretary Board of Management VSSD College, Kanpur U.P), Sri R. K. Singh (Chairman, Indian Railway Board), Sri Vimal Kumar Gupta (IAS, UP Cadre), Sri Deepak Kapoor (IRS, New Delhi), Sri Durgesh Madhav Awasthi (IPS, DGP Chattisgarh), Sri Manoj Kumar Singh Chauhan (IAS, New Delhi) and Prof. Arvind Kumar Dixit, Vice Chancellor, Dr. Bhimrao Ambedkar University, Agra U.P brought laurels to the department. Sri Satyadev Pachauri (Member of Parliament from Kanpur U.P) and Sri Arun Pathak (Member of UP Legislative Council) are the shining stars of our department the field of politics.

Some of our brilliant alumni served in educational administrative fields. Dr. L. N. Mishra (Director, CIMAP Lucknow U.P), Prof. R. P. Singh (Director HBTI, Kanpur U.P), Sri S.C. Mishra (Dy. Director, NRL Hyderabad), Dr. Arvind Singh (Principal, VSSD College, Kanpur U.P), Dr. S. S. S. Kushwaha (Principal, PPN College, Kanpur U.P), Dr. Kamal Kishore Gupta (Vice Principal and Vice President, Board of Management VSSD College, Kanpur U.P), Dr. Hare Ram Tripathi (Vice Principal, VSSD College, Kanpur U.P) and Dr. Santosh Kumar Tripathi (Vice Principal, VSSD College, Kanpur U.P) are the luminaries of Chemistry department.

Many meritorious students of the department after qualifying NET/JRF/GATE are working in different universities & prestigious institutions and giving their precious contributions in nation building.



### **Program Outcomes for undergraduate Chemistry students**

1. Students will have a firm foundation in the fundamentals and application of current chemical and scientific theories including those in Analytical, Inorganic, Organic and Physical Chemistry.
2. Students will be able to design and carry out scientific experiments as well as accurately record and analyze the results of such experiments.
3. Students will be skilled in problem solving, critical thinking and analytical reasoning as applied to scientific problems.
4. Students will be able to explore new areas of research in both Chemistry and allied fields of science and technology.
5. Students will appreciate the central role of Chemistry in our society and use this as a basis for ethical behavior in issues facing chemists including an understanding of safe handling of chemicals, environmental issues and key issues facing our society in energy, health and medicine.
6. Students will be able to explain why Chemistry is an integral activity for addressing social, economic, and environmental problems.
7. Students will be able to function as a member of an interdisciplinary problem solving team.

### **Program Outcomes for postgraduate Chemistry students**

1. This programme brings together the graduates who wish to enhance their skills and gives them an opportunity to develop their careers in a particular direction.
2. The programme provides in-depth knowledge of particular subject and arouses interest of the students towards research in that particular field.
3. The programme tends to expertise students in practical work and experiments based on the same so that they can analyze the data effectively.
4. The students will be able to exhibit the capability to study the social and ethical aspects as well as cognizance of ethical facets of research and development work.
5. The masters of Science programme provides the candidate with understanding, general proficiency, and methodical abilities on an advanced level required in industry, consultancy, education, entrepreneurship or public administration etc.
6. The efficient to work in chemical/pharmaceutical industries.