

## *Courses Offered*

### ❖ B.Sc Chemistry

#### **Eligibility for admission to B.Sc**

Pass in H.S.C or CBSE examination conducted by state board /central board with Mathematics, Physics, Chemistry as the main subjects.

### ❖ M.Sc Chemistry

#### **Eligibility for admission to M.Sc**

Pass in B.Sc. Chemistry examination, degree awarded by recognized Indian Universities with Physics and Mathematics ( Preferably) as the allied subjects

### ❖ Ph.D Chemistry

#### **Eligibility for admission to Ph.D**

Pass in M.Sc Chemistry Examination degree (55%) awarded by recognized Universities. Selection process includes entrance examination and interview.

## *Design of the Curriculum*

Courses are designed in such a way, the students acquire deep sense of theoretical knowledge bundled with high order thinking which kindle their creativity. We also provide laboratory experiences that teach how to observe and extract data from experiments, how to process experimental data, reach scientific conclusions. Besides regular laboratory courses, the department has introduced research project works as a part of the curriculum. The curriculum is highly demanding and is periodically revised to include current advances in both research and industry to produce skillful graduates. The syllabus for post graduation is framed in accordance with CSIR and GATE syllabus.

## *About the Department*

The Department of Chemistry was established in 1964 offering Chemistry for pre-university classes and ancillary subject to B.Sc. Mathematics major. Since the inception of B.Sc. course in 1968 and M.Sc. course in 1985, the department has grown as a big banyan tree, spreading its roots and branches across all directions with the sole aim of empowering the student community. The department attained the status of Research centre, by obtaining affiliation from University of Madras for Ph.D.in the year 2000 and M.Phil. (Fulltime and Part time) in the year 2001. It has a well-established library with nearly 1700 books of high standard, exclusively for PG students and research scholars and offers book bank facility to enrich their knowledge.



**Dr.K.PREMALATHA,  
M.Sc., M.Phil.,Ph.D.,  
HEAD OF THE DEPARTMENT**

## *Chemistry Crew*

**Dr.R.KUMARAN, M.Sc.,M.Phil.,Ph.D.,DCPIP**  
**Dr.SOWBAGYA LAKSHMI PRABHA, M.Sc., M.Phil., B.Ed., Ph.D.**  
**Mr.A.GOPALAKRISHNAN,M.Sc., M.Phil., (NET)**  
**Dr.T.AUGUSTINE ARUL PRASAD, M.Sc.,Ph.D.,**  
**Dr.M.VANJINATHAN,M.Sc., M.Phil.,Ph.D.,**  
**Dr.R.VASANTHI,M.Sc.,Ph.D.**  
**Mr.V.RAJAGOPALAN,M.Sc., M.Phil., (SET)**  
**Dr.N.VIDHYA LAKSHMI,M.sc., NET (JRF), Ph.D.,**  
**Dr.A.R.NARESHRAJ,M.Sc., M.Phil., Ph.D.,**  
**Dr.C.KAVITHA,M.Sc., M.Phil., Ph.D.,**  
**Dr.R.MYTHILY,M.Sc., M.Phil.,Ph.D.,**  
**Dr.P.TAMIZHDURAI,M.Sc., Ph.D., PGDCA.,**  
**Dr.A.VIJAYARAJ,M.Sc., M.Sc(YOGA).,Ph.D.,**  
**Mr.V.MUTHAIYA,M.Sc., M.Phil., (SET)**  
**Dr.SHYAMALA DEVI,M.Sc., M.Phil.,Ph.D.,**



**DWARAKA DOSS GOVERDHAN  
DOSS VAISHNAV COLLEGE  
ARUMBAKKAM,  
CHENNAI-600106**



## *PG & Research Department of Chemistry*

The Department of Chemistry strives for an ideal balance between knowledge creation and knowledge dissemination in the chemical sciences, with a focus on student training and education.

## *Vision*

- To impart a sound knowledge in chemistry to the students that stresses scientific reasoning and problem solving skills.
- To equip students with the skills required to strengthen their social responsibility and to make them competent in this knowledge-driven society.

## *Mission*

- To educate students with state of the art curriculum, improvised teaching methodologies and progressive research facilities.
- To expose students to a breadth of experimental techniques this will transform them into quality chemist.
- To produce socially responsible chemist who can contribute more to the industry and to address problems of societal importance.
- To make the department a thriving center of excellence in teaching, curriculum development and valuable research.
- To outreach the under-privileged students of the city in the form of workshops, on-line courses, etc that showcase the role of chemistry as central science.

### *Certificate courses*

- ❖ For UG - Certificate course on experiments relevant to industry
- ❖ For PG - Computational quantum chemistry

### *DGVC Chemical Society*

The DGVC Chemical Society is the working fulcrum of the department which organizes various programmes in coordination with the faculty and students. Our Department constituted chemical society in the year 2016 with a view to provide opportunities to the young student brigade to familiarise themselves with the happenings in the chemical field and the outside world so as to groom themselves to approach any event fearlessly and grasp the acumen required for the survival amidst challenges both technical and managerial.



### *Interdepartmental Workshop*



### *International Conference*



### *CSIR-UGC NET Examination Preparatory Workshop*



### *National level-Seminar*



### *Online courses conducted*



### *Invited talks*



### *Annual Inter-collegiate Cultural Event Rasayanotsav*





## *Salient Features of the Department*

- ❖ Excellent curriculum, very good infrastructure
- ❖ Socially relevant and practice oriented teaching and research
- ❖ Smart class rooms & well equipped laboratories
- ❖ Continuous assessment and Choice-based credit system for student performance and progress.
- ❖ Research exposure
- ❖ Well stocked library
- ❖ 24 h robust campus wide Wi-Fi
- ❖ Campus placement & career guidance
- ❖ CSIR-NET, workshops by eminent resource persons
- ❖ Hostel facility
- ❖ Students internships
- ❖ Online courses for students
- ❖ Startup workshops
- ❖ Inspire alumni meet
- ❖ National seminars and conferences

## *Instrumentation*



## *Start-Up /Skill Development- Entrepreneur enhancement Workshop*



## *Alumni Engagement Inspire Alumni -Lecture series*



## *Industrial visit & Field trip*





*Simple chemistry concepts are explained with colourful Experiments  
"Fun with chemistry"*



*UG & PG Students involved in teaching Government School students as a part of extension activity*



*Why choose Chemistry at DGVC?*

The department houses talented faculties committed to high standards of excellence in the teaching and research. All the faculty members in the Department are fully qualified, with 70% of the staff holding Ph.D degree. Our Department stands tall with more number of publication in high impact factor journals. Some faculty members of the department have bagged prestigious awards.

A holistic academic atmosphere is there to open up new and challenging avenues in academics and skill development. Often called the 'central science', chemistry combines mathematics and physics together with the life sciences and applied sciences. Chemistry at DGVC is all about training you to become an expert in your field through problem-solving and hands-on practical experience.

*Research in our Department*

We have a plethora of research specializations such as Synthetic organic chemistry, physical –organic chemistry, nano chemistry, material chemistry, photo-physical studies, polymer chemistry, electro analytical chemistry. Some of our faculty members are supervising a lot of candidates for their doctoral degree.

No. of candidates completed and obtained their Ph.D. degree : 7

No. of Candidates pursuing Ph.D (Full time) : 8

No. of Candidates pursuing Ph.D (Part time) : 6

*Award Recognition*



*Our Ph.D Student won award for her research work*



## *Students Progression*

Our graduates are recruited into various fields across the country. Many choose to pursue PhD, while others work in roles as diverse as industrial development, production and quality control, and teaching.

Recent graduates have become Teachers, Data Analyst, Research Scientist and Industrialist

## *List of competitive exams cleared by our students*

- ❖ CSIR-NET- LS
- ❖ CSIR-NET- JRF
- ❖ JAM 2021
- ❖ JRF, IGCAR Kalpakkam
- ❖ BANK EXAMINATION

## *Contact us*

[dgvcchem@gmail.com](mailto:dgvcchem@gmail.com)

[chemicalsociety@dgvaishnavcollege.edu.in](mailto:chemicalsociety@dgvaishnavcollege.edu.in)

## *Global Outreach*

Some Students are pursuing their M.S and doctoral degree in foreign Universities (National Yang Ming Chiao /Tung University, Taiwan and Imperial college, London).

## *List of the institutions where our students pursuing Ph.D.*

- ❖ SRM Institute of Science and Technology
- ❖ Central University of Karnataka
- ❖ Pondicherry Central University
- ❖ Anna University
- ❖ Vellore Institute Of Technology, Vellore.
- ❖ IISER-Thiruvananthapuram
- ❖ Vel Tech R & D Institute Of Science And Technology
- ❖ A M Jain College, Meenambakkam
- ❖ IGCAR, Kalpakkam
- ❖ Loyola College, Chennai
- ❖ University of Madras

## *List of the companies where our students started their career*

- ❖ Research associate trainee, Syngene international ltd
- ❖ Sr. extractor, Scope e-knowledge center
- ❖ Consultant-indexing, Scope e-knowledge center
- ❖ UpTHINK EXPERTS
- ❖ Teaching Assistant , Sastra university, Thanjavur
- ❖ Jr scientist, Malladi Drugs and Pharmaceuticals limited, Kuthambakkam
- ❖ Trainee Technical analyst, SPI Global
- ❖ Junior scientist, Sattva vaid nature's global private limited, Chennai
- ❖ Faculty, RGR academy
- ❖ Teacher, unity public school , Chennai
- ❖ Research Associate trainee, Biocon Syngene Pvt Ltd, Bangalore
- ❖ Scientific analyst trainee, Domex e-Data Pvt Ltd, Chennai
- ❖ Assistant Professor, Sriram college of arts and science , Chennai