

DEPARTMENT OF MEDICINAL CHEMISTRY & DRUG DISCOVERY

The department aim is to discover new chemical entities and optimize the drug technology by designing new drug and studies QSAR of new chemical entities. The department works in the field of Medicinal Chemistry, Drug Synthesis, method development of new drugs and herbal technology. The thrust areas of research are anti-diabetic, anti-cancer, anti-viral, cardiovascular disorders, and CNS acting drugs.

The department has been actively involved in imparting a relevant knowledge base and technical skills in the field of pharmaceutical chemistry offering engrossing research activities in the field of industrial research, development of eco-friendly and green chemistry methodologies and fundamental academic research on the following topics. Synthetic: Anti-retro virus, anti-neoplastic, hypoglycemic, hypolipidemic and other CVS related diseases, anti-malarial, anti-helminthic, anti-fungals, chemotherapeutics, parkinson's disease etc.

DEPARTMENT OF PHARMACOGNOSY AND HERBAL DRUG TECHNOLOGY

The department was established with the mission to disseminate authentic scientific pharmacognostic and updated pharmacological screening knowledge and information about all aspects of Natural drug and Phytopharmaceuticals, to pharmacy and health care education institutes, herbal drug agencies, R&D units, complementary and alternative medicine and practitioners and community pharmacists. To cope-up with the global industrial as well as research demand, the department guides the students on areas of Herbal Drug formulation, testing and distribution of medicines. The department also guides about the regulatory standards on several quality related issues, which include Herbal product formulation, their stability, packaging, storage and bioequivalence.

DEPARTMENT OF PHARMACEUTICAL BIOTECHNOLOGY

Pharmaceutical Biotechnology is concerned with research of drugs at the molecular level. This includes genetic engineering, gene expression, gene regulation, r-DNA technology, nanobiotechnology, isolation, cultivation and use of micro-organisms for the discovery and production of antibiotics and other drugs, tissue culture, fermentation, enzymology, vaccine technology, pharmacogenomics, process validation, bioinformatics and biostatistics in drug discovery. In the current scenario pharmaceutical industries concentrate in the field of pharmaceutical biotechnology because of its novel approaches. Biotechnology refers to harnessing the properties of living organism to develop and manufacture products that benefit human life. The major thrust area: Biomaterials for tissue engineering and re engineering blood vessels, ligaments and skin. Release devices for the delivery of drugs, peptide and proteins, Microbes to clean up contaminated soil and groundwater, Tissue Engineering, Edible vaccines.

INDUSTRIAL TRAINING

In 2nd semester an industrial visit is arranged for PG students which help them in understanding the role of quality assurance in pharmaceutical industries.

PG students can complete their dissertation work in industries in 3rd and 4th semester (optionally) which familiarizes them about industrial atmosphere and working, which help them in placement.

CO-CURRICULAR ACTIVITIES

Besides the research oriented curriculum the students are encouraged to participate in co-curricular activities. The department organizes the Pharma Gyan and Pharma Prakash like international symposiums.

The students also visit the leading pharmaceutical and clinical research companies to update their knowledge in recent trends in pharmaceutical research as part of industrial training. PG & doctoral scholars are also participating in various workshops to get training in development of their skills in handling equipments like autoanalyzer, HPLC, HPTLC, UV-Spectrophotometre, ELISA Reader etc.

RESEARCH ACTIVITIES

Excellent research profile of the department is quite evident from the various international national publications and presentation in professional conferences and workshop. This is attributed to

- Encouraging & supportive management and their policy of excellence in academics through research orientation.
- Well equipped infrastructure.
- Good library facility with access to online journals.
- Well qualified staff with exposure to national & international environment.

STUDENT COMMUNITY FORUM

University has established 14 students Community Forums. The Community Forum is a cluster of student driven Communities that may cater to diverse needs of the students with respect to spending their quality time on campus in a productive manner and thus improving the overall quality of life at campus for the students.

The students has an option to join community forum like:

| | |
|---|-----------------------------------|
| GREEN (Environment Club) | JACK (Creative Club) |
| HYPHAN (Literary Club) | SAFE (Transport Club) |
| RHYTHM (Art Club) | WELLNESS (Fitness Club) |
| CLC (Entrepreneurship Club) | AXIS (Marketing Club) |
| AXIOM (Creative cooking Club) | CRONOUS (Soft Skills development) |
| SPORTY (Sports Club) | INNOVATIONS (Robotics Club) |
| i-TECH (Information Technology Club) | |
| SEEDS (Socio Economic & Education Development Society Club) | |

for more details read Student Community visit www.gyanvihar.org

PLACEMENTS

Drug discovery is now a billion dollar business with enormous clinical, technical and strategic contributions to modern therapeutics. Many pharmaceutical researchers in industry choose a scientific career ladder, while others transfer to administrative career tracks. As the nature of industrial pharmaceutical research becomes more sophisticated, those researchers with strong scientific backgrounds compete more effectively for management positions. The increasing number of pharmaceutically trained individuals now entering the upper levels of management will have an increasingly significant impact on the direction of health related research programs in the future. The demand for outstanding researchers in pharmacy will, therefore, continue to grow.

Exclusive personality development sessions, soft skill development programmes are organized to prepare our students for high-end placements. The Institute has actively taken the initiative to provide placement assistance/organising campus interviews (both in-campus and out-campus) for the passing out students through the placement cell. We are proud to maintain an excellent placement record of our alumni and committed to 100% placements of the aspiring students.

The University has largest placement support system and conducted more than 120 placement events in a year

Our Pharmacy Students has been placed in various top notch companies



ONLINE ADMISSION PROCESS

In order to have more systematic and transparent system of admissions, the University has adopted the "Online Admission System" which inevitably avoids all delays in the process of admissions. Students can fill the online admission forms by paying Rs. 800/- cash at University finance department or by DD of Rs. 800/- drawn in favour of Suresh Gyan Vihar University, Jaipur at <http://registration.gyanvihar.org> before filling the online admission form student should check the norms and eligibility criteria for admission at our website www.gyanvihar.org.

"The University welcomes you to the world of excellent education and a great career"

Gyan Vihar University, Mahal, Jagatpura, Jaipur-302025, Rajasthan (India), website - www.gyanvihar.org
e-mail:- admission@gyanvihar.org, Tel. No:- 0141-6450389-90, For Admission Query Cont No. 09413345444, 09414033422, 09413341196

RANKED AMONG
THE FINEST UNIVERSITY OF COUNTRY



SURESH
GYAN VIHAR
UNIVERSITY

Established by Government of Rajasthan U/S 2(f) of UGC Act 1956
vide Suresh Gyan Vihar University Act 2008 (Act no. 16 of 2008)



GYAN VIHAR
School of Pharmacy

Approved by PCI and UGC

THE UNIVERSITY

The University is established by the state government of Rajasthan, vide Suresh Gyan Vihar University, Jaipur, Act no 16, 2008.

The University is recognized under section 2(f) of the UGC Act, 1956 and has been empowered to award degrees under section 22 of UGC Act. The University offers a wide range of programs in the areas of Management, Engineering, Pharmacy, Bio-sciences, Hotel Management and Education. Around 6000 students are pursuing education in various programs offered by the university.

The university is ranked 3rd among private universities of the country by Financial Express 2009. A Study conducted by DNA has placed Gyan Vihar on the Top amongst private universities across the country.



PICTURESQUE CAMPUS

The University is situated on a sprawling and picturesque campus at Mahal, Jagatpura, Jaipur. A serene atmosphere bereft of any noise and air pollution rejuvenates the spirit of learning and the first step into the campus fills one with an all pervading ambience of academic excellence. In terms of infrastructure, campus and human resources Gyan Vihar is amongst one of the best institutions in India. Our infrastructure is dynamic as we are constantly striving to maintain pace with the latest developments. The infrastructure acts as facilitator for the effective delivery of our curriculum.

GYAN VIHAR SCHOOL OF PHARMACY

Gyan Vihar School of Pharmacy, established in 2003, is one of the leading institutions of Pharmaceutical Education and Research in Rajasthan.

School of Pharmacy is running a PCI approved undergraduate course (B. Pharma), UGC affiliated M.Pharm and Ph.D programs with consistently impressive academic performance and an equally impressive extra curricular achievement by the students has put the school on the national map. Highly impressive placement record is premium feature of the school.

The School of Pharmacy provides an impressive portfolio of courses to meet the continuing professional development and educational needs of the health care profession.

These modules offer the opportunity to design a programme of study to meet your own interests with leading edge of health care education. The School of Pharmacy offers post graduate programmes, providing extensive opportunity for in-depth study and development of advanced skills in a range of areas and contributing the advancement of healthcare practice, management and professional education.

The School of Pharmacy is committed to deliver quality research to the highest ethical standards in order to improve knowledge and services for the health of the community.

Research students go through strong training programme. This includes a wide range of qualitative methodology and methods and statistics training to support the development of skills as a researcher. Focussed minor and major research projects in various specializations of school convey its success story and scientific potential.

UNIQUE FEATURES

The aim of Gyan Vihar School of Pharmacy is to develop better-informed and skilled Pharmacist, with deep insight, sharp acumen, good analytical skills, high moral character, good leadership quality and competent enough to develop the pharmacy industry.

- + All Programs are approved by University Grant Commission (UGC).
- + Top ranking Pharmacy school in Rajasthan.
- + Faculty with brilliant Academic credentials and rich Corporate/Industry experience.
- + Well designed Curriculum of international standard blended with Value based education.
- + State-of-the-art well equipped laboratory.
- + Herbal & Medicinal Garden.
- + The department has separate CPCSEA approved animal house.
- + World-class infrastructure. Stimulating and nurturing learning environment.
- + Most modern computer labs having 24x7 connectivity through 1 GB Wi-Fi link.
- + Smart class rooms and seminar halls.
- + Ultra modern Gymnasium and fully equipped sports complex.
- + Excellent hostel facility-separate for boys and girls (with 1000 capacity).
- + 14 social clubs for overall personality development & infusing creativity
- + Industrial visit to provide global exposure.
- + Several Extra Co-curricular activities.

PROGRAMS OFFERED

| Programs | Qualification | Selection Criteria (Entrance) |
|---|-------------------|-------------------------------|
| B.Pharm. | 10+2 with 50% | GVSAT |
| M.Pharm. Pharmaceutics | B.Pharm. with 60% | GPAT/DIRECT |
| M.Pharm. Medicinal Chem. & Drug Discovery | B.Pharm. with 60% | GPAT/DIRECT |
| M.Pharm Pharmacognosy | B.Pharm. with 60% | GPAT/DIRECT |
| M.Pharm. Pharmacology | B.Pharm. with 60% | GPAT/DIRECT |
| M.Pharm. Quality Assurance | B.Pharm. with 60% | GPAT/DIRECT |
| M.Pharm.P'Ceutical Biotechnology | B.Pharm. with 60% | GPAT/DIRECT |

DEPARTMENT OF B.PHARMACY

This course is for people looking for a career in the health & medication services. The aim of this course is to prepare graduates to deal with the current challenges offered in healthcare. This degree will give the students all fundamental expertise in aspects of medicines & drugs. Students will gain the practical and professional skills needed for stimulation, challenging and varied career in pharmacy. During the studies you learn to

- Provide pharmaceutical care to patients
- Develop and manage medication distribution and control systems
- Manage the pharmacy
- Promote public health
- Provide drug information and education



DEPARTMENT OF PHARMACOLOGY

Pharmacology department of the Suresh Gyan Vihar University is engaged in the development of new therapeutic modalities in the treatment and prevention of various diseases and disorders for maintenance of normal human health and well being. Assessment of the activities in the department is reflected with significant published research papers and articles in national and international journals, periodicals and books.

Specialized features of the department are in the field of cardiovascular diseases such as angina pectoris, myocardial infarction, arrhythmias, atherosclerosis, hematopoietic system, thrombo-embolic, peripheral artery diseases, metabolic disorders, neuropsychopharmacology, learning and memory enhancing agents, ethno pharmacology, clinical research and so on. The department has separate CPCSEA approved animal house in which animals like rats, guinea pigs, rabbits, mice and other animals breathe in well maintained sanitized conditions, provided with temperature

controlled by air conditioners and heaters in respect to weather changes. We train the PG and doctoral students with high input of research techniques, new trends and challenges in the area of pharmacological research, so that they fetch good opportunities such as scientists in pharmaceutical R&D, government research labs such as CDRI, RRI Jammu, CROs and many more.

DEPARTMENT OF PHARMACEUTICS

Pharmaceutics is concerned with the strategies by which biologically active compounds are presented to the body so as to elicit an optimal response. Included are the design, preparation and testing of drug-delivery systems. A pharmaceutical scientist characterizes physical properties of drugs, develops innovative delivery systems for drugs, quantitatively evaluates drug absorption, distribution, metabolism, excretion, and pharmacological activity in the living organism. The Department of Pharmaceutics offers PG and doctoral students the opportunity in the area of Pharmaceutical expertise. Research Scholars are provided with one of the most dynamic programs in the area of pharmaceutical product discovery and development. With increasing foreign investment and globalization, there has been a tremendous growth of Indian pharmaceutical industry in terms of increased manufacturing, production and research units. With this there is a great demand of trained, qualified and specialized pharmaceuticians.

DEPARTMENT OF QUALITY ASSURANCE

Quality Assurance is a vital part of drug development in small pharmaceutical environment. It is the department which is responsible for ensuring that all the appropriate procedures have been followed and documented as per the guidelines given by various regulatory authorities to make the drug safe. Pharmaceutical quality assurance is a dynamic process, state of mind or an understanding of the regulations and guidance relating to the development and manufacture of pharmaceutical products.

The key objective of the department is to make the students aware of GMP, GLP, GCP, GWP, Process Validation, stability studies, documentation and other regulatory guidelines which have to be followed to quality of pharmaceutical products.

