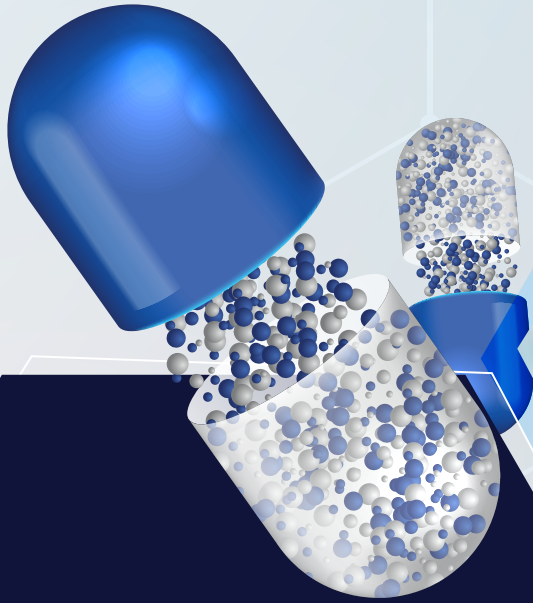




DAYANANDA SAGAR
UNIVERSITY



COLLEGE OF
PHARMACEUTICAL SCIENCES



COLLEGE OF PHARMACEUTICAL SCIENCES

Admissions
Open **2025**

19th BATCH



DECADES LEGACY
IN EDUCATION & HEALTHCARE



M. PHARM

PIONEERING EXCELLENCE IN PHARMACEUTICAL SCIENCES

DIRECTING YOUNG PASSIONS ON THE RIGHT PATH

ABOUT

DAYANANDA SAGAR UNIVERSITY

Dayananda Sagar Institutions was founded in the '60s by one such visionary, the late Sri Dayananda Sagar, who was committed to taking knowledge to the people and transforming today's students into responsible citizens and professional leaders of tomorrow.

Dayananda Sagar University was created by an Act of the Karnataka State in 2014. It is built on this adorable legacy and inspired by its milestones, meeting the need for quality higher education in this part of the world.

 IIRF -2025 EDUCATION IMPACT AWARD Promising Private University for Academic Excellence & Learning	 ICARE RATINGS KSURF TEACHING EXCELLENCE RESEARCH EXCELLENCE ★★★★★ ★★★★★	THE WEEK BEST EMERGING B-SCHOOLS : ALL INDIA Dayananda Sagar University-2021	
TIMES BUSINESS AWARDS BEST EMERGING UNIVERSITY 2021	CAREERS 360 AAA Ranking 2021	ET THE ECONOMIC TIMES 2023 Excellence in Academic Facilities & Learning Resources	 IIRF-2024 NATIONAL RANK - 9 TOP PRIVATE UNIVERSITIES IN INDIA (OVERALL) STATE RANK 3 SOUTH ZONE RANK 3



Great Legacy



Late Shri R. Dayananda Sagar



Late Dr. Chandramma Dayananda Sagar

The Founder President of Dayananda Sagar Institutions, Late Shri R. Dayananda Sagar and Late Dr. Chandramma Sagar had a great vision: Education for all sections of society.

They set up the Mahatma Gandhi Vidya Peetha Trust (MGVP); which started as a one-college campus and is today a multi location destination to thousands of young men and women who walk into the Dayananda Sagar campuses in pursuit of a dream and march out as confident citizens, ready to absorb the challenges and opportunities of an exciting new world.

Dayananda Sagar Institutions, played an important part in creating history enabling easy access to good and quality education by all, winning the hearts of many, far and wide, reflecting the legacy of Dayananda Sagar University.



Dr. D. Hemachandra Sagar
Chancellor and Founder



Dr. D. Premachandra Sagar
Pro Chancellor and Founder

They are thinkers, planners, and institution builders. By profession they are medical doctors, enriched with insights gained from hands-on work experience, learning and sharing through interaction. Accomplished and widely travelled, they bring with them worldly wisdom in all that they do.

About College of Pharmaceutical Sciences

Dayananda Sagar College of Pharmacy was started in 1981 to cater to the needs of Pharmacy Education in India under Rajiv Gandhi University of Health Sciences, Karnataka. In 2015, the institution was renamed "College of Pharmaceutical Sciences" and merged as a branch of the School of Health Sciences, affiliated with Dayananda Sagar University.

The college is recognised by PCI, New Delhi, and the Government of Karnataka; It is also a recognised Scientific and Industrial Organization by DSIR, Govt of India. The COPS offers B. Pharm, M. Pharm, PharmD, and Ph.D. programs in Pharmaceutical Chemistry, Pharmacology, Pharmaceutics, Pharmacognosy, and Pharmaceutical Analysis.

The College has vibrant clusters of innovation ecosystems focused on drug discovery and development in collaboration with industrial partners and research organisations. It also has an excellent pharmacy practice department dedicated to improving the healthcare community in association with Sagar Hospitals and Dr Chandramma Dayananda Sagar Institute of Medical Education and Research.

Pharma education is special at DSU, with students and faculty working closely with the schools of Medicine, Bio-sciences, Dentistry, Nursing, the Sagar Hospitals and several other Centres of Excellence in the healthcare domain. The labs in each department are state-of-the-art, providing an excellent opportunity for interdependence, optimising resources and sharing people's expertise.

The School offers Doctoral Programmes (PhD) and Doctor of Pharmacy (Pharm D) and the regular Bachelor and Masters courses in Pharmaceutical Sciences. The faculty comprises well-laid-out classrooms, labs, and a distinguished group of academicians and industry professionals.

Unique Advantages of the College of Pharmaceutical Sciences (COPS)

The College of Pharmaceutical Sciences (COPS) of Dayananda Sagar University is a premier institution in India offering B. Pharm, M. Pharm and Pharm. D, and Ph.D. programs.

Research and Development: The COPS has clusters of innovation ecosystems across various departments. Each department is integrated, interlinked, and focused on the multi-disciplinary approaches of drug discovery and development, therapies, and medical technologies.

Cutting-edge Technology: COPS has state-of-the-art technology and advanced R&D infrastructure and facilities to innovate, design new drugs, and optimise and develop them into high-quality, clinically useful pharmaceutical products.

Expertise and Specialization: Faculties at COPS are trained and educated globally. Our faculty group has a blend of postdocs, doctorates, and highly skilled industrial experts. We specialise in drug discovery, design, formulation and development of novel chemical entities or herbal drugs towards oncology, neurology, and infections. Our highly skilled experts are dedicated to advancing knowledge and treatments in these fields.

Pedagogy and Curriculum: Our students are educated and trained by providing pedagogical instructions. The curriculum synergises teaching efforts by organising conferences, workshops, and skill development programs.



Collaboration and Partnerships: COPS has many research activities collaborating with academic institutions, research organisations, and other pharmaceutical companies to leverage collective expertise, share resources, and accelerate drug development processes.

Patient-Centric Approach: COPS, in collaboration with CDSIMER and Sagar Hospitals, has many initiatives to understand patient needs and develop therapies that improve patient outcomes and quality of life. This involves patient engagement programs, personalised medicine approaches, or patient support initiatives.

Sustainability and Social Responsibility: COPS prioritise sustainable practices, ethical research, and environmental responsibility, aligning our R&D efforts with the broader goal of promoting public health and social well-being.

Facilities

- Zetasizer
- HPLC, RT PCR
- UV-Visible Spectrophotometer
- Refrigerated Incubator Shaker
- Ultra-Cool Centrifuge
- Walk in Cold Chamber
- Semiauto analyzer
- FTIR
- Electroconvulsimeter
- Power Labs
- Dissolution Apparatus
- Spectrofluorimeter
- Gas Chromatography
- Ice Flaker
- Muffle furnace

Research Activities / Consultancy Projects

- Research Disciplines
 - Department of Pharmaceutics
 - Department of Pharmacology
 - Department of Pharmaceutical Chemistry
 - Department of Pharmacy Practice
 - Department of Pharmacognosy
 - Department of Pharmaceutical Analysis
- IPR-Patents, Designs and Copyrights
- Publications
- Books and Book chapters



Partnerships and Collaborations

DSU - College of Pharmaceutical Sciences has partnered and collaborated with many Universities, Institutes and Research organizations

National Institutes

- JSS University, Mysuru
- Sri Sri College of Ayurvedic Science and Research, Bengaluru
- MS Ramaiah University of Applied Sciences, Bengaluru

International Institutes

- AIMST University, Malaysia
- Cyberjaya University, Malaysia
- Kathmandu University, Nepal



Research Laboratories

- Arka Genomics, Bengaluru
- Invivo Bioscience, Bengaluru
- Bangalore Bioinnovation Center, Karnataka
- Institute for Drug Delivery and Biomedical Research (IDBR), Bengaluru
- Avenida Innovations, USA
- GOMTI Insinco, Bengaluru,
- Karnataka Drugs and Pharmaceuticals Manufacturing Association (KDPMA)
- Group Pharmaceuticals
- Invitro Research Solutions Pvt Ltd



Career opportunities:

The career opportunities in pharmacy are vast and the scholars are placed well either in pharma industry/hospitals, MNCs or engaged in higher studies. Career opportunities for College of Pharmaceutical Sciences (COPS), DSU students are accelerated through the placement cell though campus recruitment.

The scholars experience regular orientation, training and skill development during the course time in the university.

Students pursuing bachelors in pharmacy can foresee a promising career fostering lucrative jobs in pharmaceutical drug manufacturing and in hospital as well as in central Govt. services – pharmaceutical manufacturing, production, quality test, analytical, pharmacovigilance, drug inspector, registered pharmacist, medical writing and coding, data analysts, medical representative, stockist for drugs and cosmetics, and as drug technician etc.

Scholars completing masters in pharmacy can wish to acquire careers mentioned above and in addition, such as clinical research associate, discovery scientist, formulation scientist, quality control specialist and quality assurance manager, QC manager, medical devices and quality control including research associate, and as faculty in universities post Ph.D. attainment.

Students who have completed 6 years Doctor of pharmacy Programme can pursue their career in hospital and community pharmacy, as clinical pharmacist, clinical data analyst, research associate, pharmacovigilance, pathological lab assistant, drug review associate, and medical writing and data mining in MNC company supporting health care and services.

Scholars who have completed their PG can enroll for full and part time Ph.D. programs specializing to the area of their interest either in DSU, or in other universities of India and in foreign universities.

Placements:

The exemplary record in placements of DSU is the reflection of academic excellence. It is a preferred destination for a large number of global recruiters.

The quality of education and experience is proved by our students on campus placement records. Each of our programs are well designed to impart a both balanced academic education and practical knowledge, which makes the students industry ready.

The placement frame at DSU has always been extremely positive.

Our students are placed in various pharmaceutical companies such as Novo Nordisk, Himalaya, Novartis, Strides, Anthem Biosciences, Eli Lilly, Mylan, IQVIA, Omega health care, Biocon, OG Health care, Fortrea, Jubilant Biosys, Glaxo Smithkline, Viatris, Torrent Pharma, Adcock Ingram, Randstad, etc.



M.Pharm

DSU College of Pharmaceutical Sciences offers students two specialisations from which to choose. They are:

A. Pharmaceutics

B. Pharmacology

Duration: 2 years

1 year Course work + 1 year Project work

M.Pharm Pharmaceutics

The Department of Pharmaceutics was started in 2007 with the vision of providing skilful theoretical and hands-on practical knowledge to pharmaceutics students, enabling rational thinking and generating innovative ideas. The course aims to make the students understand the concepts behind developing pharmaceutical dosage forms, including novel drug delivery systems, by imparting skilful learning blended with practical skills.

After completing the course, the students will thoroughly know the design, development, manufacturing, quality control, quality assurance, in-process quality control, stability and regulatory aspects of pharmaceutical dosage forms.

The department is well-equipped with sophisticated instruments to conduct research activities effectively.

The department organises seminars that provide a platform for the students to interact with well-reputed and renowned pharmaceutical industry experts and research institutes to understand the recent advancements in the field.

M.Pharm Pharmaceutics Highlights

Pharmaceutics is the study of the quantitative aspects of drug delivery and seeks to understand the relationships between drug formulation, delivery, disposition and clinical response. It involves drug design, development and evaluation in combination with an appropriate dosage form.

The department is committed to excellence in research, instruction and service, demonstrated through the productivity and success of faculty, staff and students. The course aims to make the students understand the concepts behind developing pharmaceutical dosage forms, including the novel drug delivery systems, by imparting skilful learning blended with practical knowledge.

The department offers an environment that includes state-of-the-art laboratory instrumentation and technologies with devoted and experienced faculty.

The department is equipped with sophisticated instruments such as the tablet punching machine, disintegration tester, dissolution apparatus, ultrasonicator, ultra-centrifuge, lyophiliser, Zetasizer, Tablet punching machine and stability chamber to conduct effective research



M.Pharm

Pharmaceutics Job Roles and Opportunities

Formulation Scientist: Develops and optimises pharmaceutical dosage forms such as tablets, capsules, and injections, ensuring stability and efficacy.

Quality Control/Quality Assurance Manager: Ensures compliance with government regulations and pharmaceutical development, manufacturing, and marketing guidelines.

Regulatory Affairs Specialist: Conducts experiments to develop new drugs, formulations, and drug delivery systems, focusing on efficacy and safety.

Research and Development Scientist: Coordinates manufacturing processes of pharmaceutical products, ensuring efficient production while maintaining quality standards.

Production Manager: Plans and manages clinical trials to evaluate the safety and efficacy of pharmaceutical products, ensuring compliance with regulations and study protocols.

Clinical Trial Manager: Provides expertise and advice to pharmaceutical companies on drug development, formulation optimisation, and regulatory compliance.

Pharmaceutical Consultant: Leads teams in developing new pharmaceutical products from concept to market, overseeing formulation, manufacturing, and regulatory processes.

Pharmaceutical Development Manager: Researches and develops novel drug delivery systems to improve drug efficacy, bioavailability, and patient compliance.

Drug Delivery Scientist: Develops and validates analytical methods to assess the quality and stability of pharmaceutical products throughout their lifecycle.

Analytical Development Scientist: Develops and validates analytical methods to assess the quality and stability of pharmaceutical products throughout their lifecycle.

M.Pharm Pharmacology

Department of Pharmacology is involved in the pre-clinical evaluation of candidate molecules of both natural and synthetic origin for their therapeutic activities viz., cardiovascular, neurological, gastrointestinal, cancer, metabolic disorders and infectious diseases.

Facilities include a well-established animal house and well-equipped laboratories to accomplish the objectives of the course offered.

The department is actively researching to screen new chemical entities and herbal drugs for their possible therapeutic activities, which can be exploited to develop a clinically helpful drug molecule.



M.Pharm Pharmacology Highlights

The use of medicines is one of the primary ways of battling disease. Drugs are used in the treatment of various illnesses like cardiovascular disease, asthma, stomach ailments, etc. Pharmacology strives to analyse the mechanisms drugs employ to promote their therapeutic effects. Pharmacology is the study of how drugs work. The fundamental principle of pharmacology is that drugs act as healing agents and are effective because they mimic or block molecules that control natural processes like blood pressure, organ development, and pain perception. It deals with the effects of drugs on living organisms and their components, such as cells, membranes, enzymes and DNA. Examples of essential medicines are antibacterial drugs, anti-cancer drugs, and anti-migraine agents, to name a few.

Pharmacology uses information from many branches of science, such as cell biology, biochemistry, molecular biology, and genetics, to discover new ways to treat diseases.

This interdisciplinary approach to pharmacology allows researchers to assimilate different scientific perspectives in studying how drugs act and how to improve them.

The primary responsibilities of pharmacologists in the search for & development of new medicines are:

- Screening for therapeutic activity
- Determining the mode of action
- Quantifying drug activity
- Estimating the ADMET

M.Pharm

Pharmacology Job Roles and Opportunities

Clinical Pharmacologist: Studies the effects of drugs in humans, evaluates their safety and efficacy in clinical trials, and optimises drug therapy.

Pharmacovigilance Specialist: Monitors and assesses the safety of pharmaceutical products, collects and analyses adverse drug reaction reports, and communicates safety information.

Medical Science Liaison: Acts as a scientific expert for pharmaceutical companies, providing information and support to healthcare professionals and researchers.

Drug Safety Officer: Manages and monitors the safety of pharmaceutical products, reviewing safety data and implementing risk mitigation strategies.

Pharmacokinetics: Studies the absorption, distribution, metabolism, and excretion of drugs in the body to optimise drug dosing and efficacy.

Toxicologist: Assesses the adverse effects of chemicals and pharmaceuticals on living organisms, providing risk assessments and safety recommendations.

Clinical Research Scientist: Conducts and manages clinical research studies to evaluate drug safety, efficacy, and pharmacokinetics in humans.

Pharmacogenomics Researcher: Studies the role of genetics in drug response and develops personalised treatment approaches based on genetic factors.

Biopharmaceutical Scientist: Researches and develops biopharmaceutical products such as monoclonal antibodies and vaccines, focusing on safety and efficacy.

Clinical Data Manager: Manages and analyses clinical trial data, ensuring accuracy, completeness, and regulatory compliance.

M.Pharm Eligibility

- Pass in Bachelor's in Pharmacy (B. Pharm) with a minimum of **55% aggregate** from a recognised Indian University- per Pharmacy Council of India regulations.

Alumni Testimonials



Mr. Sagar MG

**Drug Safety Assistant (Pharmacovigilance) in Parexel International, Bengaluru
HSC20MPS012**

Hello everyone, I have completed B pharmacy and M pharmacy in DSU because college proved us good facilities and experience lecturers and good lab facilities which is highly recommended in today's world the most important thing is confidence and that is what DSU have provided me. The DSU provides us 100% placements and today I can confidently say that I have entered into corporate world because college placements is very good Thank you Team DSU.



Ms. Christina Takuri

**Team leader in India's leading Health Tech and Insur Tech Company.
HSC20MPL003**

Hello fellow DSU College of Pharmacy alumni! Reflecting on our time from 2020 to 2022, we've gained invaluable knowledge and experiences that have shaped us into the professionals we are today. Let's continue to uphold the values of excellence, integrity, and compassion as we embark on our respective journeys in the field of pharmacy. Stay connected, Stay inspired, and let's all make our alma team proud



Ms. Sushma

**Analyst-Clinical Data Management at Ei Lilly and company,
Bengaluru
HSC20MPS013**

I am ecstatic that I completed my professional journey in prestigious organization like Dayananda Sagar University. First and foremost, believe in yourself and your abilities. You are capable of achieving remarkable things, but it all starts with having faith in your own potential. Embrace challenges as opportunities for growth, and trust that you have what it takes to overcome them.



DAYANANDA SAGAR
UNIVERSITY

DSU live the dream

Your journey to success begins at

**Dayananda Sagar
University**



Get in Touch with us

Address

DSU Main Campus:
Devarakaggalahalli, Harohalli,
Kanakapura Road, Bengaluru – 562 112

Contact Details

Admissions Helpline No:
080 4646 1800, +91 636 688 5507

Email : admissions@dsu.edu.in

Website : www.dsu.edu.in