



DAYANANDA SAGAR UNIVERSITY



COLLEGE OF PHARMACEUTICAL SCIENCES

Your Gateways to Global Research and Innovation in Pharmacy!



DECADES LEGACY IN EDUCATION & HEALTHCARE



B.Pharm



Promising Private University for Academic Excellence & Learning



Teaching Excellence
Research Excellence

THEWEEK

BEST EMERGING B-SCHOOLS : ALL INDIA Dayananda Sagar 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

About COPS – DSU

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 (DSU).

Dayananda Sagar University – College of Pharmaceutical Sciences (COPS) is recognised by PCI, New Delhi, the Government of Karnataka, and the 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 organizations. 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.

About B.Pharm at DSU – COPS

The B. Pharm course at DSU – COPS imparts adequate knowledge & scientific information in broad areas of pharmacy such as Pharmaceutics, Pharmaceutical Chemistry, Pharmacology, Pharmacognosy, Pharmaceutical Analysis, Pharmaceutical Regulatory Affairs, etc..

Students learn practical aspects of synthesis, formulation and analysis of various pharmaceutical and herbal medicinal agents, pharmacological screening, biological standardization and in vivo drug interaction.

B.Pharm Course Overview

The B.Pharm curriculum under the College of Pharmaceutical Sciences at Dayananda Sagar University believes in preparing students to lead the future of medicine by incorporating the following practices.

- > Drug discovery
- > Drug development
- > Pharmaceutical Knowledge
- > Drug delivery
- > Advanced analytical skills
- > Drug formulation
- > Drug targeting
- > Scientific ethics
- > Research Analysis
- > Drug Analysis
- > Scientific Responsibility
- > Lead optimization
- > Pharmacy and Society
- > Health care community service
- > Skill development
- > Learning ability
- > Planning potentials
- > Professional exploration
- > Communication
- > Leadership
- > Entrepreneurship

B.Pharm Course Objectives

The objectives of the B.Pharm programs under COPS at DSU are -

- ▶ Helping pharmacy graduates gain theoretical and practical knowledge towards drug discovery and development.
- ▶ Build solid foundations and excellent technological expertise to excel in the various sectors of the pharmaceutical industry and research organizations..
- ▶ Prepare pharmacists to meet the pharmacy profession's challenges and contribute effectively to the social health care system.
- ▶ To foster the development of future pharmacists' leadership and entrepreneurship skills.
- ▶ Enhance the knowledge of the formulation and dispensing of oral and parenteral route medicines.
- ▶ To investigate the synthetic and herbal drugs for their possible pharmacological activities.

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.

Eligibility

The eligibility criteria for students who want to pursue a B.Pharm course at the College of Pharmaceutical Sciences (COPS) DSU are -

Pass in 10+2 with Physics, Chemistry, and English with Mathematics, Biotechnology, Computer Science, or Biology as optional subjects with a minimum of 40% marks in aggregate & Qualify DSAT.

Lateral: Diploma holders in Pharmacy from an institution recognized by the Pharmacy Council of India.

DSAT

Since 2014, DSU has offered most rewarding merit scholarships through the DSAT (Dayananda Sagar Scholarship Admission Test) to emerging talents who are willing to get into higher studies and pursue a promising career.

An overall scholarship to a tune of INR.6 crores will be offered to the outstanding students who clear the threshold score of the scholarship exams and wish to enrol in the UG and PG programs in 2024.

The test is designed to assess the knowledge and aptitude of the candidates in the relevant subject and is used to determine their eligibility for admissions in DSU. The scholarship test is based on multiple choice questions and the students who clear the threshold score are eligible for admission in University under scholarship quota.

It is a home-based proctored test and the students can take the DSAT exam online from any remote location.

Exceptional Benefits of DSAT

Financial assistance for exceptional students

Recognition of Merit: Validating academic excellence

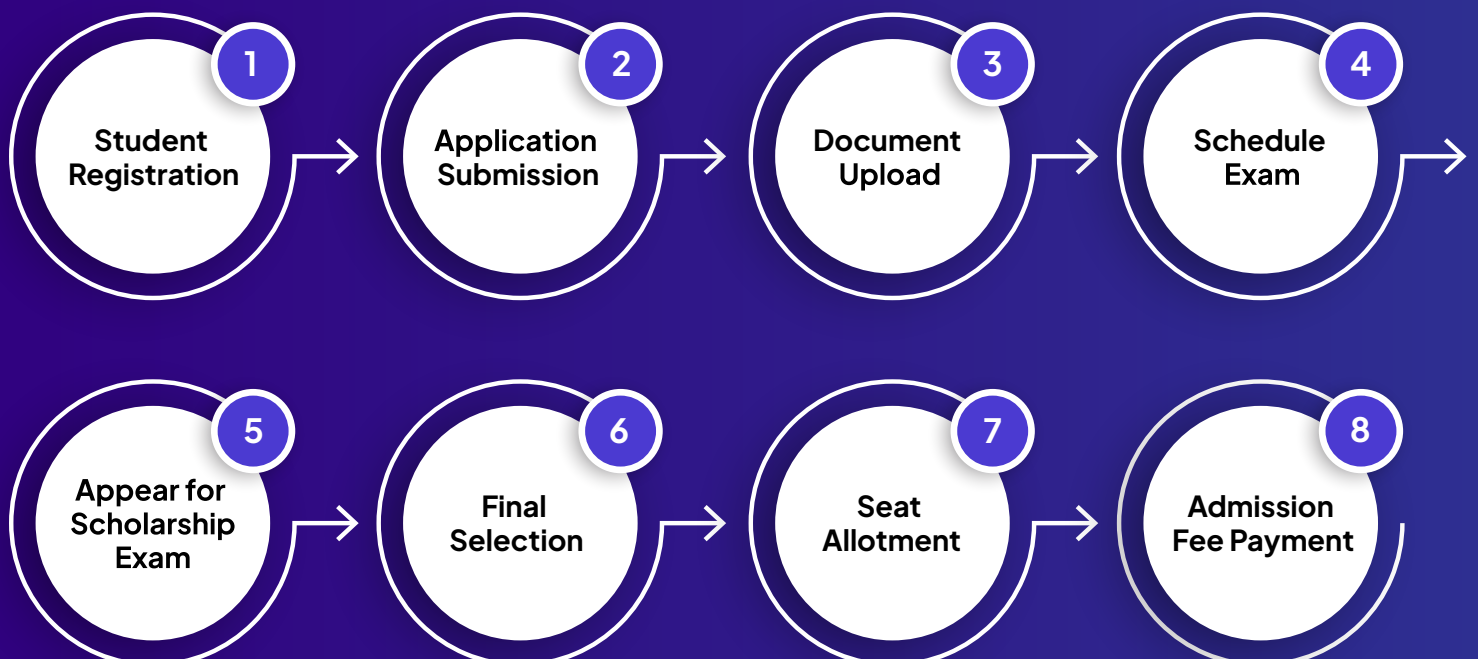
Opportunity for Higher Education: In leading university with cutting-edge specializations

Enhanced Motivation: Inspiring excellence in future endeavours

Access to Quality Education: Pursue education aligned with industry trends

Career Advancement: Elevate resume & future career prospects

DSAT Selection Process



COPS Infrastructure

DSU - College of Pharmaceutical Sciences has state-of-the-art advanced R&D infrastructure to innovate, design new drugs, optimize and develop them into high-quality, clinically useful pharmaceutical products. The department's facilities enhance how students learn practical and theoretical knowledge.

The B.Pharm students are offered all the necessary lab facilities and more.

01 Zetasizer

02 FTIR

03 HPLC

04 Semiauto analyzer

05 Electroconvulsimeter

06 UV-Visible Spectrophotometer

07 Power Labs

08 Refrigerated Incubator Shaker

09 Dissolution Apparatus

10 Ultra-Cool Centrifuge

11 Spectrofluorimeter

12 Walk in Cold Chamber

13 Gas Chromatography

14 Muffle furnace

COPS Collaborations

COPS have engaged with multiple international organizations focused towards building quality education through a vibrant ecosystem supporting overall student academic and research growth including cocurricular activities. These include faculty exchange, bilateral research proposal submission, industrial visits, internships, clinical research training and practice. Some of the partnerships and collaborations include-

National

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

International

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



Industries & Research organizations

- ▶ Bangalore Bioinnovation Center, Karnataka
- ▶ Arka Genomics, Bengaluru
- ▶ DERBI, Bengaluru
- ▶ Invivo Bioscience, Bengaluru
- ▶ 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

Master and Lead the World of Pharmaceutical Sciences with a B.Pharm Degree at Dayananda Sagar University - College of Pharmaceutical Sciences!

Alumni Testimonials



Mr. Vijeth Nagesh Bhat

Research Scholar, Department of Pharmaceutics NIPER, Hijapur
HSC19PH0075

Dear all, I wanted to take a moment to express my gratitude and appreciation for the outstanding education and support provided by the College of Pharmaceutical Sciences at Dayananda Sagar University. First and foremost, the quality of instruction has been exceptional. The professors possess a wealth of knowledge in their respective fields and are passionate about imparting that knowledge to their students.



Ms. Janani Raj

Research Scholar Department of Pharmacology Government
College of Pharmacy
HSC19PH0028

I really had an amazing experience at DSU. The classes and the practicals from the most supportive lecturers helped me in learning and understanding the concepts even better. Also the conferences held were too informative and discussed the novel ideas. Apart from academics, cultural and poster presentation were the main areas where I could build my confidence and the presentation skills.



Mr. Sagar DLN

Research Scholar, Department of Pharmaceutical Management,
NIPER, Hyderabad
HSC19PH0075

During my time at DSU, I received an exceptional education with engaging lecturers and top-notch lab facilities, providing valuable hands-on experience. The university not only focused on theoretical knowledge but also offered industry internship opportunities, bridging the gap between academia and practical application. I would like to express my sincere gratitude to my lecturers for their unwavering support and guidance in my carrier development

A Glimpse into Vibrant Life at DSU



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

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