



Department of Pharmaceutical Sciences
Maharshi Dayanand University
Rohtak

Strategic Plan (2018-2023)

About the Department

Department of Pharmaceutical Sciences was established in 1995 with one UG course i.e. B. Pharmacy, now running additional M. Pharm courses in five disciplines and PhD program. A UGC-SAP and DST-FIST supported Department, is considered as a premier Institute in the region. The Department has modern infrastructure which includes 15 UG labs, 10 PG labs and 8 Research labs are well equipped with sophisticated instruments like 3 HPLC, HPTLC, DSC, TGA, Particle size analyser, Spray Dryer, AAS, Lyophiliser, 3 FT-IRs, GC, Flash Chromatography, NIBP etc. The Department has 16 regular faculty members in which 15 are PhD holders. The faculty is much experienced and has expertise in diverse fields in the drugs and pharmaceutical research. In the last three years the Department has published 288 publications in Journals of repute, research funding from different Govt Agencies to the tune of Rs. 2.2 crores, submitted 9 patents and has made one Technology Transfer. The Department has secured 28th rank in the NIRF ranking 2016 among Pharmacy Institutions in India. The alumni of the Department are working throughout the world in reputed Pharmaceutical organizations.

Vision

The Department of Pharmaceutical Sciences is committed to reach to the highest echelons of professionalism by imparting quality education and focusing on socially and environmentally relevant research, at par with the highest global standards.

Mission

Our mission is to:

- Educate and train young minds into quality pharma personnel who can be an asset to the pharmaceutical profession.
- Provide an integrated, multidisciplinary education in pharmaceutical sciences to students enrolled in the different programs of the department, abiding all statutory guidelines.
- Provide a conducive and creative atmosphere in which higher studies and research thrive in tandem amongst students and the faculty.
- Inspire all faculty members to contribute to nation building by serving as resource persons in areas of their expertise.
- Encourage innovative research programs in emerging areas of drug research and sustainable development, by championing collaboration and interdisciplinary learning and research.
- Promote inclusion of all stake holders to participate in the activities of the department, including parents and alumni.

Strategic goals

To achieve its Vision and Mission, Department will endeavor to improve -

1. Academic standards to produce more skilled and employable professionals by training of latest technology and implementation of smart classrooms and revision of syllabi as per the need of industries and institutions.
2. Research outcome by publishing good quality of research papers in recognized journals. The faculty members will apply for research grants from different funding agencies.
3. Inclusiveness and social impact by organizing outreach programmes for societal awareness
4. Extension and collaboration by organizing invited lectures, seminars, conferences and workshops. The faculty members will collaborate with co-supervisor and co-investigators of other department and institutions.

SWOC Analysis

Strength

- A flagship Department of the University
- University is in National Capital Region and accredited with NAAC 'A' Grade
- UGC- SAP and DST- FIST supported department
- A significant number of research projects are funded by Government agencies
- Conducive atmosphere for learning and research.
- Adequate and separate space for undergraduate and postgraduate courses.
- Possess sophisticated instruments for advance research.
- Faculty members are qualified, experienced and renowned in the areas of their expertise.
- The Department is consistently contributing good number of quality publications
- Nominal tuition fees for all programmes
- Well placed Alumni
- The Department enjoys good reputation and national ranking

Weakness

- Most of the admitted students are from rural and suburban background and lack good communication skills.
- The department is not able to send its students frequently for industrial visits as no pharmaceutical company of repute is in its close vicinity.

- The department is short of adequate number of technical laboratory and ministerial staff.
- Less participation of alumni in the curriculum development and strategic planning.

Opportunities

- The department can collaborate with other faculties of the University, for example faculty of life sciences for research, faculty of humanities for communication skills and moral values, etc.
- The Department can collaborate with departments of the neighboring Universities like PGIMS, etc. for collaborative research.
- The department is about 23 years old and has a good number of well-placed alumni. The alumni network can be strengthened and can be tapped for training and placement of students
- Must seek international student exchange and research collaborations.
- Admissions of foreign students in B. Pharm and M Pharm courses shall be initiated
- Can play a positive role in community health by spreading health and hygiene awareness programmes
- Associate with regulatory bodies related to food, drugs and cosmetics and share expertise
- Provide technical knowhow and research knowhow to the industry

Challenges

- Most of the students are from rural and suburban background and much effort is diverted in honing their communication skills, as the medium of instruction and evaluation is English.
- The department needs Smart Classrooms.
- Installation of CCTV cameras in the corridors as well as laboratories, a power back up system and a lift is the need of the hour.
- A well-equipped Seminar Hall with a seating capacity of about 250 people is an immediate requirement.
- Psychological counselor(s) should be appointed for students
- To fill the vacant positions of teaching, nonteaching and technical staff
- Creation of research laboratories for advance research.
- Plan more industrial and educational visits for the students.

Action Plan

2018-19
<ul style="list-style-type: none">✓ The Department of Pharmaceutical Sciences will make efforts to fill the vacant positions and ask for creation of some more teaching and nonteaching vacancies✓ Upgrade its infrastructure and class rooms✓ Smart classrooms and development of a language laboratory shall be the priority✓ Purchase of a Power backup system is the need of the hour and it will be given priority.✓ To develop a better professional culture, a dress code will be adopted.✓ Renovation of Girls and Boys Common Rooms shall be taken up.✓ Safety and security measures shall be upgraded and CCTVs shall be installed in corridors, class rooms and laboratories✓ Efforts shall be made to involve all stake holders (students, parents, teaching and non-teaching staff, alumni)✓ Will apply for more research grants from different funding agencies✓ Socially relevant activities and health camps shall be held✓ Guest lectures and seminars shall be held
2019-20
<ul style="list-style-type: none">✓ The Department was started in the year 1995 and will complete its 25 years in 2020. Preparations for Silver Jubilee Celebrations (1995-2020) will commence this year✓ The department shall make all efforts to get a new and fully furnished and equipped seminar hall.✓ There are plans to activate the Alumni Cell and strengthen the Placement activities.✓ Good Teaching and Research Practices shall be promoted by providing smart classrooms and hi- tech instrumentations, respectively✓ Collaborative research shall be encouraged.✓ A certificate course in any feasible area of health care shall be initiated✓ Educational and industrial trips shall be made more frequent.✓ Socially relevant activities and health awareness programmes shall be organized.
2020-21
<ul style="list-style-type: none">✓ Silver jubilee Celebrations (Lecture series, felicitation of Alumni and Retired Staff, etc.)✓ Socially relevant activities and health camps shall be held during the National pharmacy Week✓ Some more certificate courses may be included

- ✓ The department intends to hold one International Conference
- ✓ The department shall try to revise its syllabus in tune with the revisions/ changes proposed by national professional bodies
- ✓ Socially relevant activities and health awareness programmes shall be held under the National Pharmacy Week
- ✓ Role of alumni shall go a long way in the progress of the department. Hence empanelment of alumni of repute from all spheres of the profession shall be done in different academic bodies

2021-22

- ✓ The department shall strive to get more space for its various activities
- ✓ Teaching and research of highest standards shall be the priority
- ✓ National and international collaborative associations shall be pursued
- ✓ Alumni meet of the Department shall be a regular feature
- ✓ Research funding and infrastructure upgradation shall be given priority Efforts will be made to achieve the status of 'Centre for Excellence' for the department.
- ✓ Good Teaching and Research Practices shall be promoted by providing smart classrooms and hi- tech instrumentations, respectively
- ✓ Collaborative research shall be encouraged.
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2022-23

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Activity Calendar (2018-19)

Induction Program	August 1, 2018
Teachers' Day	September 5, 2018
Pharmacist Day	September 25, 2018
DSW Sponsored Workshop	October 12, 2018
Pharmacy Week	November 13-16, 2018
Debate Competition	January 5, 2019
Journal Club Day	Every Saturday
Cultural Day	January 25, 2019
Essay Writing Competition	February 10, 2019
Woman's Day	March 8, 2019
IPR Day	April 26, 2019
Health Awareness Week	February, 2019
Industrial Visits	October 2018 and February 2019