



# School of Pharmacy and Research Centre, Baramati

Shardanagar Baramati Educational Campus,  
Tal-Baramati, Dist –Pune , MH -413102

## Overview:

The **Doctor of Pharmacy (Pharm.D)** is a **professional doctoral program** designed to prepare students for a dynamic and patient-centric career in pharmacy practice. This six-year program (five years of academic study and one year of mandatory internship/residency) integrates pharmaceutical science with clinical and healthcare applications to ensure graduates are well-equipped for diverse roles in healthcare systems.

Throughout the program, students undergo extensive training through **classroom lectures, laboratory work, hospital postings, and direct clinical exposure**. This hands-on approach hones essential competencies such as prescription **auditing, patient counseling, drug monitoring, and clinical research**.

The Pharm.D curriculum places strong emphasis on **clinical pharmacy, therapeutics, hospital and community pharmacy, pharmacovigilance, and patient care services**. It cultivates a thorough understanding of **rational drug use, Pharmacotherapeutics, and evidence-based medicine**, enabling graduates to make meaningful contributions within interdisciplinary healthcare teams.

Upon successful completion, Pharm.D graduates are well-qualified to pursue careers in **hospitals, community pharmacies, clinical research organizations (CROs), pharmacovigilance centers, regulatory bodies**, or to further their education through **postgraduate studies and research** in clinical pharmacy or allied disciplines.

This program is approved by the **Pharmacy Council of India (PCI)** and adheres to international standards, empowering graduates to establish careers both within India and globally as **clinical pharmacists and valued healthcare professionals**.



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Website: [www.pharmacybaramati.com](http://www.pharmacybaramati.com)

### **Career Opportunities After Pharm. D. Course:**

- ✚ Good career for those interested in patient care, clinical pharmacy, and healthcare.
- ✚ International opportunities are strong.
- ✚ Outlined below are the diverse professional opportunities accessible to graduates upon successful completion of the Pharm D. Program.

#### **1. Clinical Pharmacist:**

- ❖ Work in hospitals alongside doctors and healthcare teams.
- ❖ Provide advice on drug interactions, dosages, and side effects.
- ❖ Monitor patient therapy and improve treatment outcomes.

#### **2. Hospital/Healthcare Settings:**

- ❖ As a Hospital Administrator
- ❖ Involvement in pharmacovigilance, drug information services, and antimicrobial stewardship programs.
- ❖ Managing drug distribution and ensuring rational use of medicines.

#### **3. Pharmacovigilance & Drug Safety:**

- ❖ Pharmacovigilance Officer
- ❖ Monitor and report adverse drug reactions (ADRs).
- ❖ Work with pharmaceutical companies, CROs (Contract Research Organizations), or government bodies.

#### **4. Medical Writing & Publishing:**

- ❖ Prepare scientific documents, regulatory submissions, and clinical study reports.
- ❖ Work with medical communication agencies, IT sectors, pharma companies, or freelance.

#### **5. Regulatory Affairs:**

- ❖ Ensure that pharmaceutical products comply with regulations.



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- ❖ Handle documentation for drug approvals with regulatory bodies (DCGI, USFDA, EMA).

### **6. Pharmaceutical Industry:**

- ❖ Areas like Regulatory affairs, Research and Innovations, New drug development medical Information, clinical trials, drug development, and quality service and assurance.
- ❖ Work in companies like Pharma sectors as Lupin, Sun Pharma, Cipla, Pfizer, etc as well as IT sectors e.g. Accenture, Cognizant, TCS etc.

### **7. Academia/Teaching:**

- ❖ Become a Academician as a Lecturer/Professor in pharmacy colleges after clearing required qualifications.

### **8. Community Pharmacy / Retail Pharmacy:**

- ❖ Set up or work in pharmacies to provide medicines and patient counseling.

### **9. Research and Development (R&D):**

- ❖ Work in drug formulation, biotechnology, clinical research, or drug delivery systems.

### **10. Government Sector Opportunities:**

- ❖ Positions in CDSCO, IPC, hospitals under government schemes (NHM), railways, defense, and health ministries, Public Healthcare sectors, Medical Insurance Advisor

### **11. Overseas Career (Especially USA, UK, Australia):**

- ❖ Licensure exams (e.g., NAPLEX in USA) allow Pharm D graduates to practice as pharmacists abroad.
- ❖ Better clinical pharmacy roles and higher salaries abroad.

### **12. Higher Education After Pharm D:**

- ❖ Ph.D. in Pharmacy or Clinical Research



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- ❖ Post-Doctoral Fellowships (PDFs)
- ❖ Certifications like BCPS (Board Certified Pharmacotherapy Specialist) **or** BCOP (Oncology Pharmacist).



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## Course of the study:

### **Course of Study**

The course of study for Pharm. D. shall include the subjects as given below:

#### **First Year Pharm. D.**

1. Human Anatomy and Physiology
2. Pharmaceutics
3. Medicinal Biochemistry
4. Pharmaceutical Organic Chemistry
5. Pharmaceutical Inorganic Chemistry
6. Remedial Mathematics / Biology

#### **Second Year Pharm. D.**

1. Pathophysiology
2. Pharmaceutical Microbiology
3. Pharmacognosy & Phytopharmaceuticals
4. Pharmacology-I
5. Community Pharmacy
6. Pharmacotherapeutics-I

#### **Third Year Pharm. D.**

1. Pharmacology-II
2. Pharmaceutical Analysis
3. Pharmacotherapeutics-II
4. Pharmaceutical Jurisprudence
5. Medicinal Chemistry
6. Pharmaceutical Formulations

#### **Fourth Year Pharm. D.**

1. Pharmacotherapeutics-III
2. Hospital Pharmacy
3. Clinical Pharmacy
4. Biostatistics & Research Methodology
5. Biopharmaceutics & Pharmacokinetics



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## **6. Clinical Toxicology**

### **Fifth Year Pharm. D.**

1. Clinical Research
2. Pharmacoepidemiology & Pharmacoeconomics
3. Clinical Pharmacokinetics & Pharmacotherapeutic Drug Monitoring
4. Clerkship (Attending ward round on daily basis)
5. Project work (Six Months)

### **Sixth Year Pharm. D.**

Internship or residency training including postings in speciality units. Student should independently provide the clinical pharmacy services to the allotted wards.

- (i) Six months in General Medicine department, and
- (ii) Two months each in three other speciality departments



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## Curriculum:

### **Pharm.D. Regulations 2008**

Regulations framed under section 10 of the Pharmacy Act, 1948 (8 of 1948).

(As approved by the Government of India, Ministry of Health vide, letter)

### **CHAPTER-I**

#### **1. Short title and commencement.**

- (1) These regulations may be called the Pharm.D. Regulations 2008.
- (2) They shall come into force from the date of their publication in the official Gazette.

#### **2. Pharm.D.**

Shall consist of a certificate, having passed the course of study and examination as prescribed in these regulations, for the purpose of registration as a pharmacist to practice the profession under the Pharmacy Act, 1948.

### **CHAPTER-II**

#### **Duration of the course**

The duration of the course shall be six academic years (five years of study and one year of internship or residency) full time with each academic year spread over a period of not less than two hundred working days. The period of six years duration is divided into two phases:

1. Phase I-consisting of First, Second, Third, Fourth and Fifth academic year.
2. Phase II-consisting of internship or residency training during sixth year involving posting in specialty units. It is a phase of training wherein a student is exposed to actual pharmacy practice or clinical pharmacy services and acquires skill under supervision so that he or she may become capable of functioning independently



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## **Internship**

1. Internship is a phase of training wherein a student is expected to conduct actual practice of pharmacy and health care and acquires skills under the supervision so that he or she may become capable of functioning independently.
2. A student shall be permitted to start the internship only after having passed in theory and practical of all subjects of all the previous years.
3. Every student has to undergo one-year internship as per Appendix-C to these regulations.

## **Attendance**

A candidate is required to put in at least 80% attendance in theory and practical subjects separately. The candidates should complete the prescribed course satisfactorily to be eligible to appear for the examination.

## **Medium of Instruction**

Medium of instruction and examination shall be in English.