



# Faculty of Pharmacy

The Maharaja Sayajirao University of Baroda  
Vadodara

*Ranked 16<sup>th</sup> Best Pharmacy Institute in India  
by National Institute Ranking Framework  
(NIRF)- 2022, MHRD, Government of India*

*"Faculty of Pharmacy is a constituent Faculty of The Maharaja Sayajirao University of Baroda which is accredited with Grade 'A' by NAAC"*

## Vision

- ❖ To provide a platform for excellence in Academics and Research in the field of Pharmaceutical Sciences.

## Mission

- ❖ To equip the graduates in Pharmaceutical Sciences with advanced professional knowledge by amalgamating the knowledge of physical, chemical, biological and clinical sciences with advancements in technology
- ❖ To provide quality education to the students in the field of Pharmaceutical Sciences
- ❖ To provide an environment for performing advanced path breaking research in the field of pharmaceutical sciences
- ❖ To produce graduates who are recognized for their personal initiatives and professional excellence in the field of pharmaceutical Sciences
- ❖ To inculcate moral, social and professional values in students
- ❖ To guide the students to imbibe core human values like honesty, integrity, reliability, selfless duty, social responsibility and accountability

## List of Programmes offered

- **B.Pharmacy**

- Intake : 30
- Duration : 4 Years
- Mode of Admission : Through JACPC, Gandhinagar

- **M. Pharmacy**

Specialization	Intake	Duration	Mode of Admission
Pharmaceutical Technology	12	Two Years	Through ACPC, Gandhinagar
Pharmaceutics	06		
Pharmaceutical Chemistry	06		
Pharmaceutical Quality Assurance	06		

Pharmacology	06		
Pharmacognosy	06		

○ **Mode of Admission for B. Pharm and M.Pharm:**

Admission process done by ACPC, L. D. College of Engg. Ahmadabad.

Visit [www.jacpc.ldce.ac.in](http://www.jacpc.ldce.ac.in).

Once the list of admitted candidates is declared by ACPC, those who are allotted seat at Faculty of Pharmacy, THE MAHARAJA SAYAJIRAO UNIVERSITY OF BARODA, must apply online for temporary registration on <http://msub.digitaluniversity.ac>

● **Ph. D in Pharmacy**

○ **List of Ph.D. Recognized Guides and Area of Specialization**

Name of Faculty	Intake	Area of Specialization
Prof. Krutika Sawant	08	PT and Pharmaceutics
Dr. R. C. Mashru	06	Pharmaceutical Quality Assurance
Dr. Kirti Patel	06	Pharmacology
Dr. Hetal Thakkar	04	PT and Pharmaceutics
Dr. Hemal Tandel	04	PT and Pharmaceutics
Dr. Prashant Murumkar	04	Pharmaceutical Chemistry
Dr Navnit Prajapati	04	Pharmaceutical Chemistry

○ **Mode of Admission:**

Prerequisite qualification

1. M. Pharm. degree with minimum 50% marks
2. GATE/GPAT qualification or PET (M.S. University of Baroda) qualified candidates

**\*Ph.D. admission would be as per the University ordinance (O.Ph.) and subject to availability of seats with concerned teachers.**

### Special Recognition From Government Agencies

- DRS (Phase-II), UGC, New Delhi
- QIP Cell (AICTE), New Delhi
- TIFAC CORE in NDDS of DST, New Delhi
- GPAT (AICTE) Examination Cell (2010-2012)

### Major Research Areas

#### Pharmaceutical Technology and Pharmaceutics

- ✓ Formulation development of New drug delivery systems (Liposomes, Microparticles, Nanoparticles, Niosomes, etc)
- ✓ Novel Drug Delivery Systems for Oral and Systemic Delivery.
- ✓ Targeted delivery systems exploration for Cell, Tumor and Local Delivery to Lung/ Mucosal membrane
- ✓ Protein, Peptide and Gene Delivery
- ✓ Nasal Delivery, Brain Targeting and Colon Targeting
- ✓ Controlled Drug Delivery System

- ✓ Formulation approach for Bioavailability and Stability enhancement

#### **Pharmaceutical Quality Assurance**

- ✓ Development and Validation of analytical methods for : APIs and their formulations (alone and in combination)
- ✓ Development and Validation of Bioanalytical methods
- ✓ Stability studies of formulations
- ✓ Impurity profiling

#### **Pharmaceutical Chemistry**

- ✓ Designing and synthesis of Enzyme Inhibitors: TACE, Aromatase, Tyrosine Kinase, Falcipain, NNRTI', FXa etc.
- ✓ Molecular Modelling and Computational studies on various enzyme inhibitors
- ✓ Site specific chemical delivery systems
- ✓ Anti-hyperlipidemic and antihypertensive agents, anti-malarial and anti-TB agents

#### **Pharmacology**

- ✓ Pharmacological Evaluation of NCE from natural and synthetic sources
- ✓ Antioxidant activity of certain phytochemicals
- ✓ Toxicity studies

#### **Pharmacognosy**

- ✓ Phytochemical/biological investigations of drugs from herbal origin
- ✓ Design and development of herbal based formulations
- ✓ Standardization of herbal drugs and herbal formulations

### **Annual Events**

- Scintilla (Technical event)
- Sambhav (Social event)
- Pharmacup (Sports event)
- Prof. S. K. Banerjee Memorial Oration (MPA)
- Kanan Mehta Memorial Lecture Series (MPA)
- N.M. Patel Distinguished Alumnus Award (MPA)
- Students Felicitations (MPA)
- Students aid programme
- Hospital and Industrial visit
- Campus Placement

## Genesis of Faculty of Pharmacy

<b>1973</b>	Graduate Pharmacy course initiated under Faculty of Technology & Engineering as a part of Applied Chemistry Department.
<b>1976</b>	Formation of Pharmaceutical Society.
<b>1977</b>	First batch of Pharmacy Graduates passed out.
<b>1978</b>	Inauguration of new pharmacy building in Kalabhavan Campus.
<b>1979</b>	Introduction of First M. Pharmacy course in Pharmaceutical Analysis.
<b>1983</b>	First Doctorate degree in Pharmacy awarded. Introduction of Second M. Pharmacy course in Product Development.
<b>1996</b>	Formation of "MSU Pharmacy Alumni Association" (MPA) as Registered Trust and Society
<b>1997</b>	Inauguration of Shri G. H. Patel Pharmacy Building at Maharaja Pratapsinhrao Gaekwad Parisar, Fatehgunj, Silver Jubilee Celebration of the Department.
<b>1998</b>	DST instituted TIFAC-CORE centre under mission REACH in New Drug Delivery Systems, DRS Recognition under Special Assistance Programme (SAP) of UGC, New Delhi.
<b>2003</b>	Introduction of QIP Cell by AICTE, New Delhi for M, Pharmacy and Ph. D. Programs for teachers.
<b>2004</b>	Introduction of M. Pharmacy course in New Drug Delivery Systems for the First time in India.
<b>2010</b>	AICTE, New Delhi authorized Pharmacy Department, The M. S. University of Baroda to organize national level 'GPAT' Examination.
<b>2011</b>	Recognition under FIST program by DST, New Delhi.
<b>2012</b>	AICTE, New Delhi recognized the Department as the Nodal QIP (Pharmacy) Cell.
<b>2015</b>	The senate of M.S.U. approved the establishment of <b>Faculty of Pharmacy</b> at it's meeting held on 11th September, 2015 (vide notification no, ADM/senate/394 dated 03rd December, 2015).

## Central Facilities

✓ Kamala Raman Vatika	✓ Multi Purpose Indoor Hall
✓ Hansa Mehta Library	✓ Handball Court
✓ (1600 Seating capacity at one Time with AC)	✓ Hockey Field
✓ T.K Gajjar Library	✓ Badminton Court
✓ Hostel Facility (Boys and Girl separated)	✓ Cricket Field
✓ MSU Guest House	✓ Athletic Track
✓ C.C Mehta Auditorium	✓ Kabaddi Ground
✓ University Press	✓ NCC Activity
✓ Student Facilitation Centre	✓ NSS Activity
✓ MSU Pavillion	✓ Health Centre
✓ Multipurpose Gym	✓ 24X7 Wifi Facility
	✓ CCTV Surveillance



Kamala Raman Valika



HANSA MEHTA LIBRARY



HOSTEL FACILITY



MSU GUEST HOUSE



C C MEHTA AUDITORIUM



UNIVERSITY PRESS



MSU HEALTH CENTRE



STUDENT FACILITATION CENTRE



MSU PAVILLION

CONTACT



### **Office**

#### **Faculty of Pharmacy**

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### **Center for Postgraduate Studies and Research in Pharmaceutical Sciences**



Sh. G.H. Patel Pharmacy Building,

Maharaja Pratapsinhrao Gaekwad Parisar,

(Donor's Plaza, Near FDL)

Fatehgunj, Vadodara – 390002

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