



**BHAGWAN  
MAHAVIR  
UNIVERSITY**



# **BHAGWAN MAHAVIR UNIVERSITY**

## **ANNUAL REPORT 2024-2025**

### **BHAGWAN MAHAVIR COLLEGE OF PHARMACY**

**Submitted By  
Dr. Vineet C. Jain  
Director**

**Prepared By  
Dr. Bhavini Gharia,  
HOD, Pharmaceutical Chemistry.**

**Bhagwan Mahavir University, BMEF Campus, VIP Road,  
Surat - 395007**

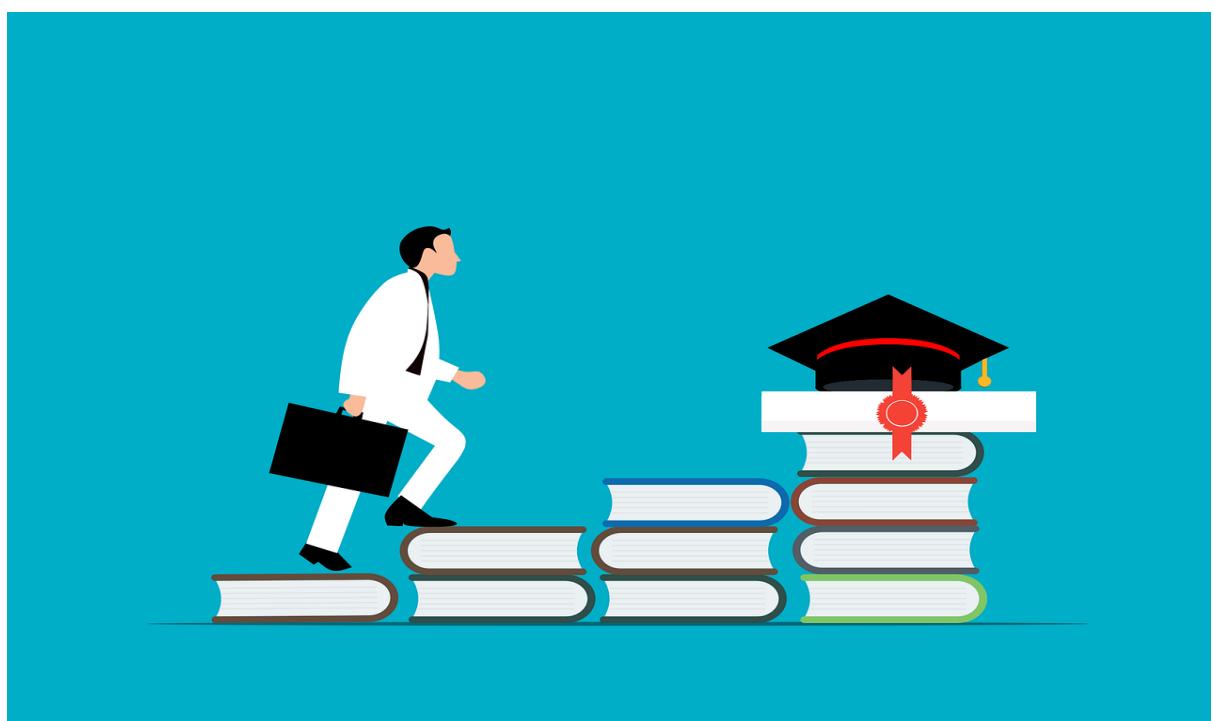


# Index



# Index

<b>Sr. No.</b>	<b>Title</b>	<b>Page no.</b>
<b>1.</b>	General Information	1
	A) Institutional Information	<b>1-32</b>
	B) IQAC Information	<b>33</b>
<b>2.</b>	Criteria/Attribute wise Report	<b>34</b>
	A) Curriculum Aspects	<b>34-51</b>
	B) Teaching -Learning and Evaluation	<b>52-71</b>
	C)Research, Consultancy and Extension	<b>72-97</b>
	D)Infrastructure and Learning Resources	<b>98-99</b>
	E) Student Support and Progression	100-138
	F) Governance, Leadership and Management	139-163
	G) Innovation and Best practices	<b>164-229</b>
	H) Sustainability and Green Energy Initiatives	230-236
	I)Social and Community Services	237-247
<b>3.</b>	Conclusion and Future Plans	<b>248-249</b>



# Bhagwan Mahavir College of Pharmacy



Bhagwan Mahavir College of Pharmacy is a prestigious institution established in the year 2007, approved by AICTE, PCI and affiliated to GTU dedicated to the pursuit of excellence in pharmaceutical education. Established with the objective of nurturing professional pharmacists, the college offers a comprehensive range of programs that are designed to equip students with the necessary skills and knowledge required in the pharmaceutical industry.

## Academic Programs

### Undergraduate Programs

The college offers Diploma in Pharmacy (D. Pharm), B. Pharm, Bachelor of Pharmacy (B.Pharm) degree, which is a four-year program focusing on pharmacy fundamentals. The curriculum covers subjects such as pharmacology, medicinal chemistry, and pharmaceutical biotechnology.

## Postgraduate Programs

For advanced studies, the college provides a Master of Pharmacy (M.Pharm) with specializations in various disciplines such as M. Pharm (Pharmaceutics, Pharmaceutical Quality Assurance, Pharmaceutical Regulatory Affairs) and. Each specialization is tailored to meet the evolving needs of the pharmaceutical sector.

### Ph. D programmes

The college provides Ph. D specialization in its area.

Bhagwan Mahavir College of Pharmacy boasts state-of-the-art laboratories, a well-stocked library, and modern classrooms that facilitate effective learning. The campus is equipped with advanced technology to support research and development activities.

Led by a team of experienced faculty members, the college focuses on high-quality education and research. The faculty is actively involved in research projects and publications, contributing to the advancement of pharmaceutical sciences.

The college places a strong emphasis on the overall development of students. Numerous co-curricular and extracurricular activities are organized, including seminars, workshops, and cultural events, allowing students to engage, learn, and grow beyond academics.

Bhagwan Mahavir College of Pharmacy maintains strong ties with leading pharmaceutical companies(Globela pharma and Believe Pharma,Cubi Analytical Solutions) ensuring students access to internships and placement opportunities. The college's dedicated placement cell works tirelessly to facilitate successful careers for its students.

With a commitment to academic excellence and a focus on developing skilled professionals, Bhagwan Mahavir College of Pharmacy stands out as a premier institution in the field of pharmaceutical education. Its holistic approach to learning and strong industry connections make it a top choice for aspiring pharmacists

## Chairman's Message



**Shri. Jagdish Jain**

Welcome to BHAGWAN MAHAVIR EDUCATION FOUNDATION. It is my privilege to introduce you to BMEF-The fastest growing Educational Organization of Gujarat. By building people, we build society. By building leaders, we build the nation's technology and economy. Education is, in effect, a nation's service. At BMEF, we believe only a well disciplined, value added students to become the high profiled professionals who can achieve the avowed objective of our former president Honorable Abdul Kalam to make our country "Super Power".

Our institutions vision rests on worldly realities and bears a peaceful and harmonious atmosphere that enables you to experience wisdom and knowledge you achieve in a jubilant way. As you pursue your studies, please do recall that a college education is not entirely academic. It extends beyond the classrooms, Laboratories and workshops to seminars, meetings, cultural, social activities and athletic events. I firmly believe that you will become involved in BMEF campus life and that you will also make some commitment to serve your community. Besides being a cause for campus and community development, the effort can be educationally rewarding and personally fulfilling.

I am pleased to acknowledge your interest in BMEF Group of Institutions. At BMEF foster the growth of innovative professionals, scientists and engineers who firmly hold the trust and confidence of the community at large. I want BMEF Group to be the dream of every soul that wants to experience true enlightenment & exposure excellence.

## Founder Member & Managing Trustee's Message



**Shri. Anil Jain**

We at Bhagwan Mahavir Education Foundation ensure that students acquire knowledge and hone their skills to shine bright in the world by their significant contribution to industry and academia. Apart from regular classroom teaching we emphasize on project work, research activities, real-life case studies and industrial hands-on training. Our foundation also works towards the continual improvement of our service quality through training and development. I am sure that BMEF will have a pivotal role in the development of shining India.

## President's Message



**Dr. Sanjay Jain**

It is with immense pleasure and privilege; I welcome you to Bhagwan Mahavir University. The University is a core part of BMEF, one of the leading educational group of Gujarat.

Bhagwan Mahavir University with its evergreen campus spread over 20 acres, conducts a variety of programs at UG and PG level, besides Ph.D. programs in the areas of Management, Engineering, Bio-technology, Computer Science-IT, Commerce, Journalism and Mass Communication, Fashion Design & Technology, Nursing, Architecture, Para-medical Sciences, Hospital Administration, etc. In addition to core and elective courses, the focus is on the holistic development of the students.

Bhagwan Mahavir University, has instituted global standards in education, training and research with world-class infrastructure and latest teaching methodologies. With the mission to train the future leaders of the corporate world, the University strives to blend modernity with tradition in each one of its students. Every student of Bhagwan Mahavir University gets additional inputs in terms of foreign Languages, communication Skills, behavioral sciences, games and sports, military training, etc. to help attain the objective.

I invite you to be a part of this unique university and embark on a journey driven by exceptional pedagogy, inspiring faculty, global industry trends and deep rooted human values.

## Vice President's Message



**Dr. Satbir Jain**

Dreams are chiseled into reality is the apt statement for students of Mahavir Swami Institute of Technology (MVSIT), a premium institute under the aegis of Bhagwan Mahavir Education Foundation. It was established in 2009 with the vision to provide the education of global standards to all sections of society.

The institute is committed to providing inclusive, holistic and sustainable growth opportunities to the students. Management is continuously striving for inculcating values, ethics, and traditions among students. Their participation in co-curricular and extracurricular activities besides classroom teaching equip them with necessary technical and soft skills.

I am sure that unique blend of tradition with modernity and talent with professionalism will help the students to grow to their full potential. The highly qualified faculty, the world-class ambiance, and amenities and the positive attitude of the management will complement the holistic development of students.

I wish quality intensive knowledge flow in the campus and ensure the development of our students intellectually, emotionally, physically and spiritually.

My best wishes for a productive admission process.

## Provost's Message



**Dr. Nirmal Sharma**

It gives me great pleasure in extending my hearty welcome to all those who are seeking admission to various Programs of Bhagwan Mahavir University (BMU).

Bhagwan Mahavir University, a progressive and research-focused university is committed to teaching excellence with a focus on research and tailored course that makes education relevant to changing career dynamics. With distinguished faculty from all across country, we have been able to make some formidable industry partnerships to make higher education even more meaningful.

We deeply value ethos that respect openness, inclusiveness, collegiality and diversity. Our students and staff come from diverse backgrounds and cultures worldwide. Consequently, creating the right ambience and ecosystem on campus for a vibrant knowledge culture and intellectual system is also one of our very important priorities. We continuously strive to create the necessary enablers for the engagement and enrichment of students, staff and community in knowledge enhancement, being industry ready and self-aware – thus making them holistic human beings.

Bhagwan Mahavir University provides ample career development opportunities with its partnership agreements with a large number of industrial, business and social organizations including Universities and Institutions abroad. The Career Development Cell guides the students to train themselves for great careers depending on the talent, aptitude and life

objectives. The mentor program at the University takes care of the personal, emotional and career needs of its students.

Bhagwan Mahavir University provides a disciplined, peaceful and harmonious atmosphere that enables the students to experience the learning, knowledge, and wisdom they acquire. At the foundation of Bhagwan Mahavir University, talented professionals, faculty staff and students who with their creativity, ingenuity, and drive will join in advancing human knowledge and pursuing scientific discovery for the benefit of all. Although we have been successful in this journey to some extent however I believe this is just the beginning, the best is yet to come.

I am sure, with this excellent academic ambience, the admission-seekers will have a temple of learning and research in Bhagwan Mahavir University in pursuing the areas of study and research successfully.

**Prof. (Dr) Nirmal Sharma**  
**(Provost, Bhagwan Mahavir University, Surat)**

## Director's Message



**Dr. Vineet C. Jain**

Welcome to the BMEF's Bhagwan Mahavir College of Pharmacy (BMCP) which was established in the year 2007 under the dynamic leadership of our BHAGWAN MAHAVIR EDUCATION FOUNDATION (BMEF). Right from its inception BMCP has striven to provide quality education and develop competent technocrats who are socially sensitive and committed to excel at global arena.

The institute has a glorious standing of 12 years and continues to evolve as the most reputed Pharmacy College in Surat. At BMCP the students are expected to have an enriching and life turning experience that propel them to take advantage of the new opportunities in life. We foster sharpening of skills and enhancement of knowledge base in our students through various extra-curricular, co-curricular and curricular activities through faculty who not only keep themselves at par with the current developments but also contribute to the expansion of knowledge in their field of expertise.

The faculty members contribute substantially to the academic through quality teaching, publications, seminars conferences, etc. The excellent goodwill we enjoy with the corporate world generously contribute to our various academic process. The corporate interactions including corporate supported projects undertaken by our students under faculty supervision provides a close hands-on-experience to our students. The class room teaching is supplemented by guest lectures, interaction sessions with eminent personalities for industry, alumina.

To enhance the career prospects the institute conducts *add-on courses* of PRADHANMANTRI KAUSHALYA VIKAS YOGNA (PMKVY) in various essential

areas of Drug regulatory affairs (DRA) Chemist & Lab Assistant/Lab Technician under Sector of LIFE SCIENCES and Diabetes Educator & Frontline Health Worker under Sector of HEALTH CARE.

We emphasize on regular counselling & feedback of students so that teachers can evaluate their progress and guide them accordingly on the way to success.

I also take this opportunity to thank all the people who supported us either directly or indirectly in our growth.

Join with us to grow and to take pharmacy as career.

Best Wishes

**Dr. Vineet C. Jain**

**Director**

**Bhagwan Mahavir College of Pharmacy, Surat.**

## Training & Placement Officer's Message



**Dr. Zarna Dedania**

The Training and Placement Cell is one of the integral part of our college. Training & Placement activities are organized throughout the year with a view to prepare the students to appear the campus recruitment process with confidence.

The cell also educates the students with various carrier opportunities in different areas such as R & D, F & D, Q. A & Q. C., RA and Hospital Pharmacist by conducting guest lecture regularly. The soft skill & personality development workshops help students to polish their communication skills, build confidence, to make students industry fit professionals. We organize guest lectures, industrial visits & are always striving to strengthen Industrial Interface.

In order to give equal opportunity to all the students of our institute, we follow the policy of "ONE STUDENT ONE OFFER" i.e once a student is placed in a company, he / she is not permitted to appear for the successive recruitment process of other companies.

We have always fulfilled the expectations of our past recruiters and hope to give our best this year also. We encourage all private and government sector companies to participate in the recruitment process and we are sure that the students recruited will play pivotal role in the growth of the respective organisations.

I express my sincere gratitude to all the organizations that have extended their active co operation to the T & P Cell in accomplishing its Endeavour successfully. I feel privileged to present our students to your esteemed organizations.

**Prof. (Dr.) Zarna Dedania,**  
**Training and Placement Officer,**  
**Associate Professor, Bhagwan Mahavir College of Pharmacy, Surat.**

## **BMCP Exam Coordinator's Message**



**Dr. Ronak Dedania**

"Education is a shared commitment between dedicated teachers, motivated students and enthusiastic parents with high expectations"

In the world where change is a buzzword and innovation is the basic necessity, BMCP faculties and its students to ingrain innovativeness as a way of thinking. This governs every aspects of life thereby to grow faster the business BMCP's Graduate/Post Graduates in Pharmacy, encompasses a systematic approach in managing operations in pharmaceutical industry and providing solutions to enhance corporate sustainability. The intelligence, high energy and exuberance of our students backed by their strong academic and analytical skills assure that they will bring an added measure of expertise to the industry. I would like to thank the industry for its kind patronage and constant support that it has been extending to BMCP and look forward to strengthen the relationship.

Sincerely,

**Dr. Ronak Dedania,  
BMCP Exam Coordinator,  
Professor,  
Bhagwan Mahavir College of Pharmacy, Surat.**

## Academic In-charge's Message

### Ms. Prakruti Desai

Welcome!

Your initiative to explore new frontiers has led you to one of the most dynamic academic programs in the country. Bhagwan Mahavir college of Pharmacy has built a strong academic tradition and applied innovative analytical teaching methods that promote a well-rounded student while excelling the student's gifts and talents. Mediocrity is not acceptable for any student. Bhagwan Mahavir college of Pharmacy will challenge your student to work on their weaknesses and explore, excel, and become masters of their strengths in various Pharmaceutical industry.

Your student's first encounter begins with an interview that involves test result evaluation, course planning and post-secondary planning. Bhagwan Mahavir college of Pharmacy believes students, parents and former Professor know the student best and therefore should be active participants in the decision of Research work.

Once you become a part of the Bhagwan Mahavir college educational experience, the next four years will be designed to plan for your post secondary future. Each year the student is evaluated by their current professor and recommended for well known Pharmaceutical industry. All students are given the opportunity to take a variety of standardized tests to prepare for entrance exams, such as the GPAT for Post graduation Programme.

We welcome your questions and comments and we are proud of our academic success! Sincerely,

**Academic in-charge**

**Assistant Professor, Bhagwan Mahavir College of Pharmacy, Surat.**

## Vision



**“To become a pioneer pharmacy college in India, through superior delivery of the pharmacy education and foster pharmaceutical research activities through invention of a scientific research community pursuing leading, emerging synthesis in science and utilizing latest technologies, for the betterment of mankind.”**

## Mission

# OUR mission



- ✓ **To facilitate pharmaceutical educational advancement for students through imbibing a combination of advanced teaching methods evolving pharmaceutical industry and health care system.**
- ✓ **To promote the pharmaceutical research programmes through installation of state of art scientific, computing and visualization equipments and research facilities.**
- ✓ **To focus the multi - faced development of students and make them to become future leaders in the global community.**
- ✓ **To encourage the development and interaction of multidisciplinary pharmaceutical research activities across the institution through the development of interdisciplinary partnership and promoting industry - institute relationship.**



## **QUALITY POLICY OF THE COLLEGE**

- 1. Inculcate discipline and methodical work culture among staff and students by implementation of well-planned academic calendar curriculum and implementation assessment norms.**
- 2. Providing conducive academic and working atmosphere for faculties staff and student for continual improvement.**
- 3. Development of learning capabilities and inculcate human values, for positive Outlook in life and personality development.**
- 4. Participation and organization of various programs for the development and upliftment of Pharmacy profession promotion of the Team Spirit by involving all concerned in maintaining quality education and overall development.**

## BMCP Staffs Profile

Sr. no.	Name of Faculty	Qualification & Experience	Designation
1.	Dr. Vineet C. Jain	M. Pharm (Pharmacognosy), Ph. D, 23 years	<p>Director</p> 
2.	Prof. (Dr.) Zarna Dedania	M. Pharm (Quality Assurance), Ph. D, 17 years	<p>Professor</p> 

3.	<b>Dr. Ronak Dedania</b>	<b>M. Pharm (Industrial Pharmacy), Ph. D, 17 years</b>	<b>Professor</b> 
4.	<b>Dr. Rashmi Korat</b>	<b>M. Pharm (Pharmacognosy), Ph. D, 14 Years</b>	<b>Professor</b> 
5.	<b>Dr. Bhavini Gharia</b>	<b>M. Pharm (Pharmaceutical Chemistry), Ph. D, 09 years</b>	<b>Associate Professor</b> 

8.	<b>Mrs. Sweta Desai</b>	<b>M. Pharm (Pharmaceutical Chemistry) 09 years</b>	<b>Assistant Professor</b> 
09.	<b>Ms. Devanshi Desai</b>	<b>M. Pharm (Pharmaceutical Analysis) 07 years</b>	<b>Assistant Professor</b> 

10.	<b>Mrs. Velenti Chauhan</b>	<b>M. Pharm (Pharmaceutics) 07 years</b>	<b>Assistant Professor</b> 
11.	<b>Ms. Prakruti Desai</b>	<b>M. Pharm (Quality Assurance) 06 Year</b>	<b>Assistant Professor</b> 

12.	<b>Ms. Grishma Desai</b>	<b>M. Pharm (Pharmaceutical Regulatory Affairs) 03 Year</b>	<b>Assistant Professor</b> 
13.	<b>Mrs. Yugma Desai</b>	<b>M. Pharm (Pharmaceutics) 03 Year</b>	<b>Assistant Professor</b> 

14.	<b>Mrs. Esha Patel</b>	<b>M. Pharm (Quality Assurance) 03 Year</b>	<b>Assistant Professor</b> 
15.	<b>Ms. Drashti Mandlik M. Pharm</b>	<b>(Pharmacology)02 year</b>	<b>Assistant Professor</b> 
16.	<b>Ms. Feni Jariwala</b>	<b>M. Pharm 02 year (Pharmaceutical Regulatory Affairs)</b>	<b>Assistant Professor</b> 

**Non teaching staff**

<b>Sr. No.</b>	<b>Name of Staff</b>	<b>Designation</b>	<b>Photo</b>
1.	<b>Mrs. Kalpana Babariya</b>	<b>Librarian M. L. I. Sc 13 Years</b>	
2.	<b>Mr. Surendra Pratap</b>	<b>Lab technician D. Pharm, B.Sc. 15 years</b>	
3.	<b>Mr. Kushal Parashar</b>	<b>Lab technician D. Pharm, B.Sc. 15 years</b>	

6.	<b>Mr Bhavik Patel</b>	<b>B.Com (02 year)</b>	
----	------------------------	------------------------	--

### Peons

<b>Mr. Raju Patel</b> 	<b>Mr. Chetan Patel</b> 	<b>Mrs. Manishaben Lohar</b> 
---	---	--

## Photo gallery

### PHARMACEUTICS DEPARTMENT



**PHARMACOLOGY DEPARTMENT**



**PHARMACEUTICAL CHEMISTRY DEPARTMENT**



**PHARMACEUTICAL ANALYSIS DEPARTMENT**



**PHARMACOLOGY DEPARTMENT**



**LIBRARY**



### Computer lab



### Class Rooms





# BHAGWAN MAHAVIR COLLEGE OF PHARMACY

Approved by PCI and AICTE

## Constituent College of Bhagwan Mahavir University

✉ director.bmcp@bmusurat.ac.in  
🌐 www.bmusurat.ac.in

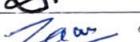
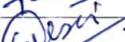
📞 0261-6770180/82  
📍 VIP Road, Surat, Gujarat- 395007

Outward No:- BMCP/Int/604/2024-25

21/07/2024

### IQAC COMMITTEE

It is hereby notified for information of all concerned that, The Director, Bhagwan Mahavir College of Pharmacy, has constituted an IQAC Committee with the following members:

NAME	DESIGNATION	ROLE	MOBILE NO.	SIGN.
Dr. Vineet C Jain	Director	Chairperson	9428139472	
Dr. Zarna Dedania	Professor	Member	9427239022	
Dr. Ronak Dedania	Professor	Member	9426981481	
Dr. Rashmi Korat	Associate Professor	Member	9741316824	
Dr. Bhavini Gharia	Associate Professor	Member	9662539138	
Mr. R. Senthil Kumar	Assistant Professor	Member	9428743727	
Mrs. Prakruti Desai	Assistant Professor	Member	9558402511	
Ms. Grishma Desai	Assistant Professor	Member	7874057300	
Mrs. Yugma Desai	Assistant Professor	Member	9913641815	
Ms. Feni Jariwala	Assistant Professor	Member	8140026135	
Mrs. Drashti Mandlik	Assistant Professor	Member	9265018798	

The tenure of the nominated members will be renewed / reviewed annually.



[Dr. Vineet C Jain]

Director

**DIRECTOR**

**Bhagwan Mahavir College of Pharmacy**

CC to: Surat

- All member

Office File-hard copy



This annual report provides a comprehensive overview of the activities, achievements, and strategic initiatives undertaken by the Pharmacy College over the past year. It highlights the efforts of faculty, students, and administrative staff in advancing the mission of providing exceptional education and research opportunities.

## **Detailed overview Bhagwan Mahavir College of Pharmacy**

### **1. Course & Duration:**

**a. D. Pharm - 2 Years**

**b. B. Pharm - 4 Years**

**c. M. Pharm - 2 Years**

1. M. Pharm. (Pharmaceutics)

2. M. Pharm. (Pharmaceutical Quality Assurance)

3. M. Pharm. (Pharmaceutical Regulatory Affairs)

### **2. AICTE Approval and Reference No:**

Central/1-10974803029/2022/EOA on Dated 03-July-2022

### **3. PCI Approval and Reference No: GJ-14/2020-21 Dated 17-March-2020**

**4. Affiliation and Reference No:** Affiliated to Gujarat Technological University (GTU):  
GTU/Insti\_Affiliation/215/424/2018-19/5032 Dated 07/07/2018

**5. BMU Affiliation Number:** BMU/Affi./2021-22/32/21-22  
Dated 29/06/2021

**6. Date of Inception:** 01<sup>st</sup> July 2007

### **7. Intake Capacity:**

**a. D. Pharm. - 68 + 03 (TFW Scheme) Students**

**b. B. Pharm. - 68 + 03 (TFW Scheme) Students**

- c. M. Pharm – Pharmaceutics (15)
- Pharmaceutical Quality Assurance (12)
- Pharmaceutical Regulatory Affairs (15)

**8. Medium of Teaching:** English

**9. A. Eligibility for 1st Year B. Pharm. course:**

12th Standard (45%) with GUJCET/NEET

**B. Eligibility for 1st Year D. Pharm. course:**

12th Standard (Passing Marks) with GUJCET/NEET

**10. Admission Procedure:** Based on the Merit

**11. Academic Period:**

- a. D. Pharm. - Yearly**
- b. B. Pharm./M. Pharm.** Semester Pattern
  - a. July to December
  - b. January to June

## 1. CURRICULAR ASPECTS

### Curriculum Design and Development

- The institution offers a diverse range of undergraduate, postgraduate, and doctoral programs in Pharmacy including Pharmaceutical chemistry, Pharmaceutical analysis, pharmaceutics, pharmacology and pharmacognosy.
- The curriculum is regularly updated in alignment with industry trends, scientific advancements, and feedback from stakeholders including faculty, students, alumni, and employers.

### PREAMBLE OF B.PHARM

The preamble for a Bachelor of Pharmacy (B.Pharm) course generally emphasizes the importance of regulating the profession of pharmacy and its practice to ensure the safety and well-being of the public. It highlights the need for professional standards and ethical conduct within the pharmacy profession. It also acknowledges the role of pharmacists in safeguarding public health and the importance of their responsibility in handling, selling, distributing, compounding, and dispensing medical substances.

The preamble outlines the following key aspects:

#### Regulation of Pharmacy:

It acknowledges the need for a regulatory framework to govern the practice of pharmacy, ensuring that only qualified individuals can engage in the profession.

#### Public Safety and Health:

It emphasizes the crucial role of pharmacists in safeguarding public health by handling and dispensing medications responsibly and ethically.

#### Professional Standards:

The preamble stresses the importance of maintaining high ethical and moral standards within the profession, emphasizing the need for continuing professional development and adherence to legal and professional guidelines.

#### Social Responsibility:

It recognizes the societal responsibility of pharmacists to provide efficient pharmaceutical services and contribute to the overall well-being of society.

#### Oath and Code of Ethics:

The preamble often includes a pharmacist's oath or code of ethics, which outlines the principles and obligations that pharmacists must adhere to, such as upholding the interests of their patients and obeying the laws governing the profession.

## BOARD OF STUDIES COMMITTEE

S. No	Name and Designation	Email ID and Contact No	Role in BoS
1	<b>Dr. Vineet C. Jain</b> Director, Bhagwan Mahavir College of Pharmacy	<a href="mailto:director.bmcp@bmusurat.ac.in">director.bmcp@bmusurat.ac.in</a> 9428139472	Chairperson u/s 3.15(1)(a)
2.	<b>Dr. Zarna Dedania</b> Professor, Dept. of Quality Assurance Bhagwan Mahavir College of Pharmacy	<a href="mailto:zarna.dedania@bmusurat.ac.in">zarna.dedania@bmusurat.ac.in</a> 9427239022	Internal Member u/s 3.15(1)(c)
3.	<b>Dr. Ronak Dedania</b> Associate Professor, Dept. of Pharmaceutics. Bhagwan Mahavir College of Pharmacy	<a href="mailto:ronak.dedania@bmusurat.ac.in">ronak.dedania@bmusurat.ac.in</a> 9426981481	Internal Member u/s 3.15(1)(c)
4.	<b>Dr. Rashmi Korat</b> Associate Professor, Dept. of Pharmacognosy Bhagwan Mahavir College of Pharmacy	<a href="mailto:rashmi.korat@bmusurat.ac.in">rashmi.korat@bmusurat.ac.in</a> 9741316824	Internal Member u/s 3.15(1)(c)
5.	<b>Mr. Naishadh Solanki</b> Assistant Professor, Dept. of Pharmachemistry Bhagwan Mahavir College of Pharmacy	<a href="mailto:naishadh.solanki@bmusurat.ac.in">naishadh.solanki@bmusurat.ac.in</a> 9825809165	Internal Member
6	<b>Miss. Shailja Saparia</b> Assistant Professor, Dept. of Pharmacology Bhagwan Mahavir College of Pharmacy	<a href="mailto:shailja.saparia@bmusurat.ac.in">shailja.saparia@bmusurat.ac.in</a> 9974572724	Internal Member u/s 3.15(1)(d)
7	<b>Dr. Dhiren Shah</b> Principal, C.K.Pithawalla College of Science and Research	<a href="mailto:dhirenshah@gmail.com">dhirenshah@gmail.com</a>	External Member Academic
8.	<b>Dr. Hasumati A. Raj</b> Principal, Laxminarayan Dev College of Pharmacy, Bholav	<a href="mailto:drharaj@yahoo.com">drharaj@yahoo.com</a>	External Member Academic
9	<b>Dr. Bhanubhai Vaghasia</b> Managing director, Globela Pharma, Sachin	<a href="mailto:drbhanu@globelapharma.com">drbhanu@globelapharma.com</a>	External Member Industry

**BHAGWAN MAHAVIR COLLEGE OF PHARMACY****MAJOR & MINOR SUBJECT DISTRIBUTION****Program Name: D.Pharm (Theory)**

Course	Theor y	Practica l	Majo r	Minor	MDS	AE C	SE C	VAC/IK S	S I	Total
1 <sup>st</sup> D.Pharm	5	5	4	1	-	-	-	-		5
2 <sup>nd</sup> D.Pharm	6	5	4	2	-	-	-	-		6
<b>Total</b>	<b>11</b>	<b>10</b>	<b>8</b>	<b>3</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>		<b>11</b>

**Program Name: B.Pharm (Theory)**

Course	Theor y	Practica l	Majo r	Minor	MDS	AE C	SE C	VAC/IK S	S I	Tota l
1 <sup>st</sup> sem B.Pharm	7	6	4	-	2	-	1	-	-	7
2 <sup>nd</sup> sem B.Pharm	5	4	3	1	-	-	1	-	-	5
3 <sup>rd</sup> sem B.Pharm	5	4	4	1	-	-	-	-	-	5
4 <sup>th</sup> sem B.Pharm	6	4	4	1	-	1	-	-	-	6
5 <sup>th</sup> sem B.Pharm	5	4	3	2	-	-	-	-	-	5
6 <sup>th</sup> sem B.Pharm	6	4	4	1	-	-	-	1	-	6
7 <sup>th</sup> sem B.Pharm	5	2	5	-	-	1	-	1	-	7
8 <sup>th</sup> sem B.Pharm	12	1	1	11	-	-	-	-	1	13
<b>Total</b>	<b>51</b>	<b>29</b>	<b>28</b>	<b>17</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>1</b>	<b>54</b>

**BHAGWAN MAHAVIR COLLEGE OF PHARMACY****Program Name:M.Pharm (Pharmaceutics)**

Course	Theor y	Practica l	Majo r	Minor	MDS	AE C	SE C	VAC/IK S	S I	Tota l
1 <sup>st</sup> sem M.Pharm	4	2	4	1	-	-	-	-	1	5
2 <sup>nd</sup> sem M.Pharm	4	2	4	1	-	-	-	-	1	5
3 <sup>rd</sup> sem M.Pharm	1	3	1	-	-	-	2	-	1	4
4 <sup>th</sup> sem M.Pharm	-	3	-	-	-	1	1	-	1	3
<b>Total</b>	<b>9</b>	<b>10</b>	<b>9</b>	<b>2</b>	<b>-</b>	<b>1</b>	<b>3</b>	<b>-</b>	<b>4</b>	<b>19</b>

**Program Name:M.Pharm (Pharmaceutical Quality Assurance)**

Course	Theor y	Practica l	Majo r	Minor	MDS	AE C	SE C	VAC/IK S	S I	Tota l
1 <sup>st</sup> sem M.Pharm	4	2	4	1	-	-	-	-	1	5
2 <sup>nd</sup> sem M.Pharm	4	2	4	1	-	-	-	-	1	5
3 <sup>rd</sup> sem M.Pharm	1	3	1	-	-	-	2	-	1	4
4 <sup>th</sup> sem M.Pharm	-	3	-	-	-	1	1	-	1	3
<b>Total</b>	<b>9</b>	<b>10</b>	<b>9</b>	<b>2</b>	<b>-</b>	<b>1</b>	<b>3</b>	<b>-</b>	<b>4</b>	<b>19</b>

**Program Name:M.Pharm (Regulatory Affairs))**

Course	Theor y	Practica l	Majo r	Minor	MDS	AE C	SE C	VAC/IK S	S I	Tota l
<b>1<sup>st</sup> sem M.Pharm</b>	4	2	4	1	-	-	-	-	1	5
<b>2<sup>nd</sup> sem M.Pharm</b>	4	2	4	1	-	-	-	-	1	5
<b>3<sup>rd</sup> sem M.Pharm</b>	1	3	1	-	-	-	2	-	1	4
<b>4<sup>th</sup> sem M.Pharm</b>	-	3	-	-	-	1	1	-	1	3
<b>Total</b>	9	10	9	2	-	1	3	-	4	19

**Elective Basket****BHAGWAN MAHAVIR COLLEGE OF PHARMACY****Program Name: D.Pharm I Year**

Value Added Courses (VAC): Total Credits 6

Ability Enhancement Courses (AEC): Total Credits 8

Multidisciplinary Courses: Total Credits 9

Skill Enhancement Courses (SEC): Total Credits 9

**Internship: Credit****Program Name: D.Pharm**

Major	Minor	MDS	AEC	SEC	VAC/IKS	SI
<b>D.Pharm I Year</b>						
Pharmaceutics 2040101101	Social Pharmacy 2040101105	-----	-----	-----	-----	-----
Pharmaceutical Chemistry 2040101102	-----	-----	-----	-----	-----	-----
Pharmacognosy 2040101103	-----	-----	-----	-----	-----	-----
Human Anatomy and Physiology 2040101104	-----	-----	-----	-----	-----	-----
<b>D.Pharm II Year</b>						
Pharmacology 2040101201	Community Pharmacy & Management 2040101202	-----	-----	-----	-----	-----
Biochemistry & Clinical Pathology 2040101203	Pharmacy Law & Ethics 2040101206	-----	-----	-----	-----	-----
Pharmacotherapeutics 2040101204	-----	-----	-----	-----	-----	-----
Hospital & Clinical Pharmacy 2040101205	-----	-----	-----	-----	-----	-----

**BHAGWAN MAHAVIR COLLEGE OF PHARMACY****Program Name: B.Pharm**

Major	Minor	MDS	AEC	SEC	VAC/I KS	SI
<b>B.Pharm I Sem</b>						
Human Anatomy and Physiology I 1040201101	-----	Remedial Biology 1040201 106	-----	Communication skills 10402011 05	-----	-----
Pharmaceutical Analysis I 1040201102	-----	Remedial Mathematics 1040201 107	-----	-----	-----	-----
Pharmaceutics I 1040201103	-----	-----	-----	-----	-----	-----
Pharmaceutical Inorganic Chemistry I 1040201104	-----	-----	-----	-----	-----	-----
<b>B.Pharm II Sem</b>						
Human Anatomy and Physiology II 1040201201	Computer applications in Pharmacy 1040201204	-----	-----	Environmental Science 10402012 05	-----	-----
Pharmaceutical Organic Chemistry I 1040201202	-----	-----	-----	-----	-----	-----
Pharmaceutical Engineering 1040201203	-----	-----	-----	-----	-----	-----
<b>B.Pharm III Sem</b>						
Pharmaceutical Organic Chemistry II	Biochemistry 1040201303	-----	-----	-----	-----	-----

1040201301						
Physical Pharmaceutics I 1040201302	-----	-----	-----	-----	-----	-----
Pharmacognosy & Phytochemistry I 2040101304	-----	-----	-----	-----	-----	-----
Pathophysiology 2040101305	-----	-----	-----	-----	-----	-----

**B.Pharm IV Sem**

Pharmaceutical Organic Chemistry III 1040201401	Pharmace utical Jurisprud ence 10402014 05	-----	Introduction to Intellectual Property 1040201406	-----	-----	
Physical Pharmaceutics II 1040201402	-----	-----	-----	-----	-----	
Medicinal Chemistry I 1040201403	-----	-----	-----	-----	-----	
Pharmacology I 1040201404	-----	-----	-----	-----	-----	

**B.Pharm V Sem**

Medicinal Chemistry II 1040201501	Pharmaceutica l Microbiology 1040201502	-----	-----	-----	-----	-----
Pharmacognosy and Phytochemistry II 1040201503	Pharmaceutica l Biotechnology 1040201505	-----	-----	-----	-----	-----
Pharmacology II 1040201504	-----	-----	-----	-----	-----	-----

**B.Pharm VI Sem**

Medicinal Chemistry III 1040201601	Biopharmaceu tics and Pharmacokinet ics 1040201605	-----	-----	-----	Learnin g from Indian Epics* 104020 1606	-----
Industrial Pharmacy I 1040201602	-----	-----	-----	-----	-----	-----

Herbal Drug Technology 1040201603	-----	-----	-----	-----	-----	-----
Pharmacology III 1040201604	-----	-----	-----	-----	-----	-----

**B.Pharm VII Sem**

Instrumental Methods of Analysis 1040201701	-----	-----	Practice School* 104020 1707	-----	Alternative system of Medicine* 104020 1706	-----
Industrial Pharmacy II 1040201702	-----	-----	-----	-----	-----	-----
Pharmacy Practice 1040201703	-----	-----	-----	-----	-----	-----
Novel Drug Delivery System 1040201704	-----	-----	-----	-----	-----	-----
Quality Assurance 1040201705	-----	-----	-----	-----	-----	-----

**B.Pharm VIII Sem**

Biostatistics and Research Methodology 1040201801	Social and Preventive Pharmacy 1040201802	-----	-----	-----	-----	Project Work 104020 1813
-----	Pharma Marketing Management 1040201803	-----	-----	-----	-----	-----
-----	Pharmaceutical Regulatory science 1040201804	-----	-----	-----	-----	-----
-----	Pharmacovigilance 1040201805	-----	-----	-----	-----	-----
-----	Quality Control and	-----	-----	-----	-----	-----

	standardization of Herbals 1040201806					
-----	Computer Aided Drug Design 1040201807	-----	-----	-----	-----	-----
-----	Cell and Molecular Biology 1040201808	-----	-----	-----	-----	-----
-----	Cosmetic Science 1040201809	-----	-----	-----	-----	-----
-----	Experimental Pharmacology 1040201810	-----	-----	-----	-----	-----
-----	Advanced Instrumentation Techniques 1040201811	-----	-----	-----	-----	-----
-----	Dietary Supplements and Nutraceuticals 1040201812	-----	-----	-----	-----	-----

**Program Name: M.Pharm (Pharmaceutical Quality Assurance)**

Major	Minor	MDS	AEC	SEC	VAC/IKS	SI
<b>M.Pharm I Sem</b>						
Modern Pharmaceutica 1 Analytical Techniques 1040302101	Product Developmen t and Technology Transfer 1040302104	-----	-----	-----	-----	Seminar/ Assignment 104030210 6
Quality Management System 1040302102	-----	-----	-----	-----	-----	-----
Quality Control and Quality Assurance 1040302103	-----	-----	-----	-----	-----	-----
Pharmaceutica 1 Quality Assurance Practical I 1040302105	-----	-----	-----	-----	-----	-----
<b>M.Pharm II Sem</b>						
Pharmaceutica 1 Validation 1040302202	Hazards and Safety Management 1040302201	-----	-----	-----	-----	Seminar/ Assignment 104030220 6
Audits and Regulatory Compliance 1040302203	-----	-----	-----	-----	-----	-----
Pharmaceutica 1 Manufacturing Technology 1040302204	-----	-----	-----	-----	-----	-----
Pharmaceutica 1 Quality Assurance Practical II 1040302205	-----	-----	-----	-----	-----	-----

<b>M.Pharm III Sem</b>						
Research Methodology and Biostatistics 1040300301	-----	-----	-----	Discussion / Presentation (Poster Presentation) 1040302303	-----	Research Work Phase I 1040302304
-----	-----	-----	-----	Journal Club 1040302302	-----	-----
<b>M.Pharm IV Sem</b>						
-----	-----	-----	Mid Sem Review (Research Work) 1040302402	Journal Club 1040302401	-----	Research Work Phase II 1040302403

**Program Name: M.Pharm (Pharmaceutics)**

Major	Minor	MDS	AEC	SEC	VAC/IKS	SI
<b>M.Pharm I Sem</b>						
Modern Pharmaceutical Analytical Techniques 1040301101	Regulatory Affair 1040301104	-----	-----	-----	-----	Seminar/Assignment 1040301106
Drug Delivery System 1040301102	-----	-----	-----	-----	-----	-----
Modern Pharmaceutics 1040301103	-----	-----	-----	-----	-----	-----
Pharmaceutics Practical I 1040301105	-----	-----	-----	-----	-----	-----
<b>M.Pharm II Sem</b>						
Molecular Pharmaceutics ( Nano Tech and Targeted DDS) 1040301201	Computer Aided Drug Delivery System 1040301203	-----	-----	-----	-----	Seminar/Assignment 1040301206
Advanced Biopharmaceutic	-----	-----	-----	-----	-----	

Principles and Applications of Pharmacokinetics 1040301202						
Cosmetic and Cosmeceuticals 1040301204	-----	-----	-----	-----	-----	-----
Pharmaceutics Practical II 1040301205	-----	-----	-----	-----	-----	-----

**M.Pharm III Sem**

Research Methodology and Biostatistics 1040300301	-----	-----	-----	Discussion / Presentation (Poster Presentation) 1040301303	-----	Research Work Phase I 1040301304
-----	-----	-----	-----	Journal Club 1040301302	-----	-----

**M.Pharm IV Sem**

-----	-----	-----	Mid Sem Review (Research Work) 1040301402	Journal Club 1040301401	-----	Research Work Phase II 1040301403
-------	-------	-------	--	----------------------------	-------	--------------------------------------

**Program Name: M.Pharm (Regulatory Affairs)**

Major	Minor	MDS	AEC	SEC	VAC/IKS	SI
<b>M.Pharm I Sem</b>						
Good Regulatory Practices 1040303101	Clinical Research regulations 1040303103	-----	-----	-----	-----	Seminar/ Assignment 1040303106
Documentation and Regulatory Writing 1040303102	-----	-----	-----	-----	-----	-----

Regulations and Legislation for Drugs & Cosmetics, Medical Devices,, Biologicals & Herbals and Food and Neutraceuticals in India and Intellectual Property Rights 1040303104	-----	-----	-----	-----	-----	-----
Regulatory Affairs Practical I 1040303105	-----	-----	-----	-----	-----	-----
<b>M.Pharm II Sem</b>						
Regulatory Aspects of Drugs & Cosmetics 1040303201	Regulatory Aspects of Food & Nutraceuticals 1040303204	-----	-----	-----	-----	Seminar/ Assignment 1040301206
Regulatory Aspects of Herbal & Biologicals 1040303202	-----	-----	-----	-----	-----	-----
Regulatory Aspects of Medical Devices 1040303203	-----	-----	-----	-----	-----	-----
Regulatory Affairs Practical II 1040303205	-----	-----	-----	-----	-----	-----
<b>M.Pharm III Sem</b>						

Research Methodology and Biostatistics 1040300301	-----	-----	-----	Discussion / Presentation (Poster Presentation) 1040301303	-----	Research Work Phase I 1040301304	
-----	-----	-----	-----	Journal Club 1040301302	-----	-----	
<b>M.Pharm IV Sem</b>							
-----	-----	-----	-----	Mid Sem Review (Research Work) 1040301402	Journal Club 1040301401	-----	Research Work Phase II 1040301403



## Academic Calendar Winter 2024

Particular	D.Ph. F. Y.	D.Ph. S. Y.	B.Ph. Sem.-1	B.Ph. Sem.-3	B.Ph. Sem.-5	B.Ph. Sem.-7	M.Ph. Sem.-1	M.Ph. Sem.-3
<b>Semester Start Date</b>	12.08.24	01.07.24	12.08.24	01.07.24	01.07.24	24.06.24	12.08.24	01.07.24
<b>Semester End Date</b>	14.06.25	30.04.25	18.01.25	30.11.24	30.11.24	30.11.24	18.01.25	30.11.24
<b>Mid Term - 1 Exam Date</b>	23.12.24	14.10.24	23.12.24	14.10.24	14.10.24	14.10.24	23.12.24	14.10.24
<b>Mid Term - 2 Exam Date</b>	01.04.25	23.12.24	NA	NA	NA	NA	NA	NA
<b>Mid Term - 3 Exam Date</b>	26.05.25	01.04.25	NA	NA	NA	NA	NA	NA
<b>Remedial Exam Date</b>	09.06.25	21.04.25	06.01.25	18.11.24	18.11.24	18.11.24	06.01.25	18.11.24
<b>Mid Term-1 Practical Exam date</b>	30.12.24	21.10.24	30.12.24	21.10.24	21.10.24	21.10.24	30.12.24	21.10.24
<b>Mid Term-2 Practical Exam date</b>	02.06.25	14.04.25	NA	NA	NA	NA	NA	NA
<b>Total Working Days</b>	198	194	110	106	106	112	110	106
<b>End term Theory Exam date</b>	16.06.25	01.05.25	20.01.25	02.12.24	02.12.24	02.12.24	20.01.25	02.12.24
<b>End term Practical Exam date</b>	01.07.25	12.05.25	03.02.25	16.12.24	16.12.24	16.12.24	03.02.25	16.12.24
<b>Planned Event - 1 Date</b>	15.08.24	Independence Day						
<b>Planned Event - 2 Date</b>	16.08.24	One Week for Nation						
<b>Planned Event - 3 Date</b>	05.09.24	Teachers Day Celebration						
<b>Planned Event - 4 Date</b>	21.09.24	Pharmacist Refresher Course						
<b>Planned Event - 5 Date</b>	25.09.24	World Pharmacist Day						
<b>Planned Event - 6 Date</b>	18.11.24	National Pharmacy Week						
<b>Any Other</b>	05.10.24	Navratri						

## Teaching Scheme Winter 2024

 <p style="text-align: center;"><b>BHAGWAN MAHAVIR COLLEGE OF PHARMACY</b></p>	<b>BHAGWAN MAHAVIR COLLEGE OF PHARMACY</b>							
	<b>Eff. Date:</b> <b>12.06.2022</b>		<b>Rev. No. 00</b>					
	<b>Issue No. 02</b>		<b>Doc. No. BMU/BMCP/ACAD/BP/LC/01</b>					
<b>TEACHING SCHEME</b>								
<b>Class- B. Pharm Semester-I</b>								
<b>Sr. No.</b>	<b>Subject Code</b>	<b>Subject Name</b>	<b>TEACHING SCHEME (HOURS)</b>					
			<b>Theory</b>	<b>Tutorial</b>	<b>Practical</b>	<b>Credits</b>		
1.	1040201101	Human Anatomy and Physiology I - Theory	3	1	-	4		
2.	1040201102	Pharmaceutical Analysis I - Theory	3	1	-	4		
3.	1040201103	Pharmaceutics I -Theory	3	1	-	4		
4.	1040201104	Pharmaceutical Inorganic Chemistry -Theory	3	1	-	4		
5.	1040201105	Communication skills - Theory*	2	-	-	2		
6.	1040201106	Remedial Biology - Theory*	2 <sup>#</sup>	-	-	2 <sup>#</sup>		
7.	1040201107	Remedial Mathematics - Theory*	2 <sup>s</sup>	-	-	2 <sup>s</sup>		
8.	1040201108	Human Anatomy and Physiology I - Practical	-	-	4	2		
9.	1040201109	Pharmaceutical Analysis I - Practical	-	-	4	2		
10.	1040201110	Pharmaceutics I - Practical	-	-	4	2		

11.	1040201111	Pharmaceutical Inorganic Chemistry - Practical	-	-	4	2
12.	1040201112	Communication skills - Practical*	-	-	2	1
13.	1040201113	Remedial Biology - Practical*	-	-	2 <sup>#</sup>	1 <sup>#</sup>
		<b>TOTAL</b>	<b>16<sup>#</sup>/16<sup>s</sup></b>	<b>4</b>	<b>20<sup>#</sup></b>	<b>30<sup>#</sup>/27<sup>s</sup></b>

**Class- B. Pharm Semester-III**

Sr. No.	Subject Code	Subject Name	TEACHING SCHEME (HOURS)			
			Theory	Tutorial	Practical	Credits
1.	1040201301	Pharmaceutical Organic Chemistry II – Theory	3	1	-	4
2.	1040201302	Physical Pharmaceutics I – Theory	3	1	-	4
3.	1040201303	Biochemistry – Theory	3	1	-	4
4.	1040201304	Pharmacognosy and Phytochemistry I – Theory	3	1	-	4
5.	1040201305	Pathophysiology – Theory	3	1	-	4
6.	1040201306	Pharmaceutical Organic Chemistry II – Practical	-	-	4	2
7.	1040201307	Physical Pharmaceutics I – Practical	-	-	4	2
8.	1040201308	Biochemistry – Practical	-	-	4	2
9.	1040201309	Pharmacognosy and Phytochemistry I – Practical	-	-	4	2
		<b>TOTAL</b>	<b>15</b>	<b>5</b>	<b>16</b>	<b>28</b>

**Class- B. Pharm Semester-V**

Sr. No.	Subject Code	Subject Name	TEACHING SCHEME(HOURS)			
			Theory	Tutorial	Practical	Credits
1.	1040201501	Medicinal Chemistry II – Theory	3	1	-	4
2.	1040201502	Pharmaceutical Microbiology – Theory	3	1	-	4
3.	1040201503	Pharmacognosy and Phytochemistry II- Theory	3	1	-	4
4.	1040201504	Pharmacology II – Theory	3	1	-	4
5.	1040201505	Pharmaceutical Biotechnology – Theory	3	1	-	4
6.	1040201506	Medicinal Chemistry II – Practical	-	-	4	2
7.	1040201507	Pharmaceutical Microbiology – Practical	-	-	4	2
8.	1040201508	Pharmacognosy and Phytochemistry II- Practical	-	-	4	2
9.	1040201509	Pharmacology II – Practical	-	-	4	2
<b>TOTAL</b>			<b>15</b>	<b>5</b>	<b>24</b>	<b>28</b>

**Class- B. Pharm Semester-VII**

Sr. No.	Subject Code	Subject Name	TEACHING SCHEME (HOURS)			
			Theory	Tutorial	Practical	Credits
1.	1040201701	Instrumental Methods of Analysis – Theory	3	1	-	4

2.	1040201702	Industrial Pharmacy II – Theory	3	1	-	4
3.	1040201703	Pharmacy Practice – Theory	3	1	-	4
4.	1040201704	Novel Drug Delivery System – Theory	3	1	-	4
5.	1040201705	Quality Assurance – Theory	3	1	-	4
6.	1040201706	Alternative system of Medicine*	2	-	-	2
7.	1040201707	Instrumental Methods of Analysis – Practical	-	-	4	2
8.	1040201708	Practice School*	-	-	12	6
		<b>TOTAL</b>	<b>17</b>	<b>5</b>	<b>16</b>	<b>30</b>

	<b>BHAGWAN MAHAVIR COLLEGE OF PHARMACY</b>							
	<b>Eff. Date: 12.06.2022</b>		<b>Rev. No. 00</b>					
	<b>Issue No. 02</b>		<b>Doc. No. BMU/BMCP/ACAD/DP/LC/01</b>					
<b>TEACHING SCHEME</b>								
<b>Class- D. Pharm Part-I</b>								
<b>Sr. No.</b>	<b>Subject Code</b>	<b>Subject Name</b>	<b>TEACHING SCHEME(HOURS)</b>					
			<b>Theory</b>	<b>Tutorial</b>	<b>Practical</b>	<b>Credits</b>		
1.	2040101101	Pharmaceutics – Theory	3	1	-	4		
2.	2040101102	Pharmaceutical Chemistry – Theory	3	1	-	4		
3.	2040101103	Pharmacognosy – Theory	3	1	-	4		
4.	2040101104	Human Anatomy and Physiology – Theory	3	1	-	4		
5.	2040101105	Social Pharmacy – Theory	3	1	-	4		
6.	2040101106	Pharmaceutics – Practical	-	-	4	2		
7.	2040101107	Pharmaceutical Chemistry – Practical	-	-	4	2		
8.	2040101108	Pharmacognosy – Practical	-	-	4	2		
9.	2040101109	Human Anatomy and Physiology – Practical	-	-	4	2		
10.	2040101110	Social Pharmacy – Practical	-	-	4	2		
		<b>TOTAL</b>	<b>15</b>	<b>5</b>	<b>20</b>	<b>30</b>		

<b>Class- D. Pharm Part-II</b>						
<b>Sr. No.</b>	<b>Subject Code</b>	<b>Subject Name</b>	<b>TEACHING SCHEME (HOURS)</b>			
			<b>Theory</b>	<b>Tutorial</b>	<b>Practical</b>	<b>Credits</b>
1.	2040101201	Pharmacology – Theory	3	1	-	4
2.	2040101202	Community Pharmacy & Management – Theory	3	1	-	4
3.	2040101203	Biochemistry & Clinical Pathology – Theory	3	1	-	4
4.	2040101204	Pharmacotherapeutics – Theory	3	1	-	4
5.	2040101205	Hospital & Clinical Pharmacy – Theory	3	1	-	4
6.	2040101206	Pharmacy Law & Ethics	3	1	-	4
7.	2040101207	Pharmacology – Practical	-	-	4	2
8.	2040101208	Community Pharmacy & Management –Practical	-	-	4	2
9.	2040101209	Biochemistry & Clinical Pathology – Practical	-	-	4	2
10.	2040101210	Pharmacotherapeutics – Practical	-	-	2	1
11.	2040101211	Hospital & Clinical Pharmacy – Practical	-	-	2	1
		<b>TOTAL</b>	<b>18</b>	<b>6</b>	<b>16</b>	<b>32</b>

	<b>BHAGWAN MAHAVIR COLLEGE OF PHARMACY</b>	
	<b>Eff. Date:</b> 12.06.2022	<b>Rev. No. 00</b>
	<b>Issue No. 01</b>	<b>Doc. No.</b> BMEU/BMCP/ACAD/MP/LC/01

**TEACHING SCHEME****Class- M. Pharm Semester-I****Pharmaceutics (01)**

<b>Sr. No.</b>	<b>Subject Code</b>	<b>Subject Name</b>	<b>TEACHING SCHEME (HOURS)</b>		
			<b>Theory</b>	<b>Practical</b>	<b>Credits</b>
1.	1040301101	Modern Pharmaceutical Analytical Techniques	4	-	4
2.	1040301102	Drug Delivery System	4	-	4
3.	1040301103	Modern Pharmaceutics	4	-	4
4.	1040301104	Regulatory Affair	4	-	4
5.	1040301105	Pharmaceutics Practical I	-	12	6
6.	1040301106	Seminar/Assignment	-	8	4
		<b>TOTAL</b>	<b>16</b>	<b>20</b>	<b>26</b>

**Pharmaceutical Quality Assurance (02)**

<b>Sr. No.</b>	<b>Subject Code</b>	<b>Subject Name</b>	<b>TEACHING SCHEME (HOURS)</b>		
			<b>Theory</b>	<b>Practical</b>	<b>Credits</b>
1.	1040302101	Modern Pharmaceutical Analytical Techniques	4	-	4
2.	1040302102	Quality Management System	4	-	4

3.	1040302103	Quality Control and Quality Assurance	4	-	4
4.	1040302104	Product Development and Technology Transfer	4	-	4
5.	1040302105	Pharmaceutical Quality Assurance Practical I	-	12	6
6.	1040302106	Seminar/Assignment	-	8	4
<b>TOTAL</b>			<b>16</b>	<b>20</b>	<b>26</b>

### **Pharmaceutical Regulatory Affairs (03)**

Sr. No.	Subject Code	Subject Name	TEACHING SCHEME(HOURS)		
			Theory	Practical	Credits
1.	1040303101	Good Regulatory Practices	4	-	4
2.	1040303102	Documentation and Regulatory Writing	4	-	4
3.	1040303103	Clinical Research Regulations	4	-	4
4.	1040303104	Regulations and Legislation for Drugs & Cosmetics, Medical Devices, Biologicals & Herbals, and Food & Nutraceuticals In India and Intellectual Property Rights	4	-	4
5.	1040303105	Regulatory Affairs Practical I	-	12	6
6.	1040303106	Seminar/Assignment	-	8	4
<b>TOTAL</b>			<b>16</b>	<b>20</b>	<b>26</b>



**BHAGWAN MAHAVIR UNIVERSITY**  
**BHAGWAN MAHAVIR COLLEGE OF**  
**PHARMACY**  
**ACADEMIC CALENDAR (2024-25)**



**BHAGWAN  
MAHAVIR  
UNIVERSITY**

Summer 2025

Particular	D.Ph. F.Y	D.Ph. S.Y	B.Ph. Sem.-2	B.Ph. Sem.-4	B.Ph. Sem.-6	B.Ph. Sem.-8	M.Ph. Sem.-2	M.Ph. Sem.-4
Semester Start Date	12-08-2024	01-07-2024	10-02-2025	06.01.2025	30-12-2024	30-12-2024	10-02-2025	30-12-2024
Actual Date								
Semester End Date	14-06-2025	03-05-2025	14-06-2025	10-05-2025	03-05-2025	03-05-2025	14-06-2025	03-05-2025
Actual Date								
Mid Term - 1 Exam Date	23-12-2024	14-10-2024	28-04-2025	14-04-2025	14-04-2025	14-04-2025	28-04-2025	10-02-2025
Actual Date								
Mid Term - 2 Exam Date	24-03-2025	23-12-2024	-	-	-	-	-	NA
Mid Term - 3 Exam Date	28-04-2025	14-04-2025	-	-	-	-	-	NA
Remedial Exam Date	12-05-2025	26-04-2025	12-05-2025	28-04-2025	28-05-2025	28-05-2025	12-05-2025	NA
Actual Date								
Mid Term-1 Practical Exam date	30-12-2024	21-10-2024	05-05-2025	21-04-2025	21-04-2025	21-04-2025	05-05-2025	NA
Actual Date								
Mid Term-2 Practical Exam date	05-05-2025	21-04-2025	-	-	-	-	-	NA
PL/Remedial Class	09-06-2025	28/04/2025	09-06-2025	05-05-2025	28/04/2025	28/04/2025	09/06/2025	28/04/2025

<b>Actual Date</b>								
<b>Total Working Days</b>	<b>193</b>	<b>192</b>	<b>92</b>	<b>92</b>	<b>92</b>	<b>92</b>	<b>92</b>	<b>92</b>
<b>End term Theory Exam date</b>	<b>16-06-2025</b>	<b>05-05-2025</b>	<b>16-06-2025</b>	<b>19-05-2025</b>	<b>05-05-2025</b>	<b>05-05-2025</b>	<b>16-06-2025</b>	<b>05-05-2025</b>
<b>Actual Date</b>								
<b>End term Practical Exam date</b>	<b>30-06-2025</b>	<b>19-05-2025</b>	<b>30-06-2025</b>	<b>12-05-2025</b>	<b>19-05-2025</b>	<b>19-05-2025</b>	<b>30-06-2025</b>	<b>-</b>
<b>Actual Date</b>								
<b>Planned Event 1</b>	<b>26.01.25</b>	Republic Day						
<b>Planned Event 2</b>	<b>27.01.25</b>	Sports Week						
<b>Planned Event 3</b>		Pharmaphilic [Pharmacy State Level Techfest]						
<b>Planned Event 4</b>		Spandhan-2025						
<b>Any Other</b>		Convocation-2025						

BMU Co-ordinator  
Dr. Ronak Dedania

Academic In Charge  
Mrs. Prakruti Desai

Director  
Dr. Vineet C. Jain

	<b>BHAGWAN MAHAVIR COLLEGE OF PHARMACY</b>								
	<b>Eff. Date:</b> <b>18.10.2021</b>	<b>Rev. No. 00</b>							
	<b>Issue No. 02</b>	<b>Doc. No. BMEF/BMCP/ACAD/BP/LC/02</b>							
<b>TEACHING SCHEME</b>									
<b>Class- B. Pharm Semester-II</b>									
<b>Sr. No.</b>	<b>Subject Code</b>	<b>Subject Name</b>	<b>TEACHING SCHEME (HOURS)</b>						
			<b>Theory</b>	<b>Tutorial</b>	<b>Practical</b>	<b>Credits</b>			
1.	1040201201	Human Anatomy and Physiology II – Theory	3	1	-	4			
2.	1040201202	Pharmaceutical Organic Chemistry I – Theory	3	1	-	4			
3.	1040201203	Pharmaceutical Engineering – Theory	3	1	-	4			
4.	1040201204	Computer Applications in Pharmacy – Theory *	3	-	-	3			
5.	1040201205	Environmental sciences – Theory *	3	-	-	3			
6.	1040201206	Human Anatomy and Physiology II – Practical	-	-	4	2			
7.	1040201207	Pharmaceutical Organic Chemistry I – Practical	-	-	4	2			
8.	1040201208	Pharmaceutical Engineering – Practical	-	-	4	2			
9.	1040201209	Computer Applications in Pharmacy –Practical*	-	-	2	1			
		<b>TOTAL</b>	<b>15</b>	<b>3</b>	<b>14</b>	<b>25</b>			

## Class- B. Pharm Semester-IV

Sr. No.	Subject Code	Subject Name	TEACHING SCHEME (HOURS)			
			Theory	Tutorial	Practical	Credits
1.	1040201401	Pharmaceutical Organic Chemistry III– Theory	3	1	-	4
2.	1040201402	Physical Pharmaceutics II – Theory	3	1	-	4
3.	1040201403	Medicinal Chemistry I – Theory	3	1	-	4
4.	1040201404	Pharmacology I – Theory	3	1	-	4
5.	1040201405	Pharmaceutical Jurisprudence – Theory	3	1	-	4
6.	1040201406	Introduction to Intellectual Property - Theory	3	1	-	4
7.	1040201407	Pharmaceutical Organic Chemistry III – Practical	-	-	4	2
8.	1040201408	Physical Pharmaceutics II – Practical	-	-	4	2
9.	1040201409	Medicinal Chemistry I – Practical	-	-	4	2
10.	1040201410	Pharmacology I – Practical	-	-	4	2
		<b>TOTAL</b>	<b>18</b>	<b>6</b>	<b>16</b>	<b>32</b>

**Class- B. Pharm Semester-VI**

Sr. No.	Subject Code	Subject Name	TEACHING SCHEME(HOURS)			
			Theory	Tutorial	Practical	Credits
1.	1040201601	Medicinal Chemistry III – Theory	3	1	-	4
2.	1040201602	Industrial Pharmacy I- Theory	3	1	-	4
3.	1040201603	Herbal Drug Technology – Theory	3	1	-	4
4.	1040201604	Pharmacology III – Theory	3	1	-	4
5.	1040201605	Biopharmaceutics and Pharmacokinetics – Theory	3	1	-	4
6.	1040201606	Learning from Indian Epics*	2	-	-	2
7.	1040201607	Medicinal Chemistry III – Practical	-	-	4	2
8.	1040201608	Industrial Pharmacy I- Practical	-	-	4	2
9.	1040201609	Herbal Drug Technology – Practical	-	-	4	2
10.	1040201610	Pharmacology III – Practical	-	-	4	2
		<b>TOTAL</b>	17	5	16	30

**Class- B. Pharm Semester-VIII**

Sr. No.	Subject Code	Subject Name	TEACHING SCHEME (HOURS)			
			Theory	Tutorial	Practical	Credits
1.	BP801TT	Biostatistics and Research	3	1	0	4

		Methodology				
2.	BP802TT	Social and Preventive Pharmacy	3	1	0	4
3.	BP803TT	Pharmaceutical Regulatory science	3	1	0	4
4.	BP804TT	Pharmaceutical Product Development	3	1	0	4
5.	BP813PP	Project Work	0	0	12	6
		<b>TOTAL</b>	12	4	12	33

	<b>BHAGWAN MAHAVIR COLLEGE OF PHARMACY</b>	
	<b>Eff. Date:</b> <b>14.02.2022</b>	<b>Rev. No. 00</b>
	<b>Issue No. 01</b>	<b>Doc. No.</b> <b>BMEF/BMCP/ACAD/MP/LC/01</b>

**TEACHING SCHEME**  
**Class- M. Pharm Semester-II**

**Pharmaceutics (01)**

<b>Sr. No.</b>	<b>Subject Code</b>	<b>Subject Name</b>	<b>Teaching Scheme (Hours)</b>		
			<b>Theory</b>	<b>Practical</b>	<b>Credits</b>
1.	1040301201	Molecular Pharmaceutics (Nano Tech and Targeted DDS)	4	-	4
2.	1040301202	Advanced Biopharmaceutics & Pharmacokinetics	4	-	4
3.	1040301203	Computer Aided Drug Delivery System	4	-	4
4.	1040301204	Cosmetic and Cosmeceuticals	4	-	4
5.	1040301205	Pharmaceutics Practical II	-	12	6
6.	1040301206	Seminar/Assignment	-	8	4
		<b>TOTAL</b>	<b>16</b>	<b>20</b>	<b>26</b>

**Pharmaceutical Quality Assurance (02)**

<b>Sr.</b>		<b>Subject Name</b>	<b>Teaching Scheme (Hours)</b>

No.	Subject Code		Theory	Practical	Credits
1.	1040302201	Hazards and Safety Management	4	-	4
2.	1040302202	Pharmaceutical Validation	4	-	4
3.	1040302203	Audits and Regulatory Compliance	4	-	4
4.	1040302204	Pharmaceutical Manufacturing Technology	4	-	4
5.	1040302205	Pharmaceutical Quality Assurance Practical II	-	12	6
6.	1040302206	Seminar/Assignment	-	8	4
		<b>TOTAL</b>	<b>16</b>	<b>20</b>	<b>26</b>

### Pharmaceutical Regulatory Affairs (03)

Sr. No.	Subject Code	Subject Name	Teaching Scheme (Hours)		
			Theory	Practical	Credits
1.	1040303201	Regulatory Aspects of Drugs & Cosmetics	4	-	4
2.	1040303202	Regulatory Aspects of Herbal & Biologicals	4	-	4
3.	1040303203	Regulatory Aspects of Medical Devices	4	-	4
4.	1040303204	Regulatory Aspects of Food & Nutraceuticals	4	-	4
5.	1040303205	Regulatory Affairs Practical II	-	12	6
6.	1040303206	Seminar/Assignment	-	8	4

		<b>TOTAL</b>	<b>16</b>	<b>20</b>	<b>26</b>
--	--	--------------	-----------	-----------	-----------

**Class- M. Pharm Semester-IV**

**Pharmaceutics (01)**

<b>Sr. No.</b>	<b>Subject Code</b>	<b>Subject Name</b>	<b>Teaching Scheme (Hours)</b>		
			<b>Theory</b>	<b>Practical</b>	<b>Credits</b>
1.	1040301401	Journal Club#	-	2	1
2.	1040301402	Mid Sem Review (Research Work)	-	6	3
3.	1040301403	Research Work Phase II	-	32	16
		<b>TOTAL</b>	-	<b>40</b>	<b>20</b>

**Pharmaceutical Quality Assurance (02)**

<b>Sr. No.</b>	<b>Subject Code</b>	<b>Subject Name</b>	<b>Teaching Scheme (Hours)</b>		
			<b>Theory</b>	<b>Practical</b>	<b>Credits</b>
1.	1040302401	Journal Club#	-	2	1
2.	1040302402	Mid Sem Review (Research Work)	-	6	3
3.	1040302403	Research Work Phase II	-	32	16
		<b>TOTAL</b>	-	<b>40</b>	<b>20</b>

**Pharmaceutical Regulatory Affairs (03)**

<b>Sr. No.</b>	<b>Subject Code</b>	<b>Subject Name</b>	<b>Teaching Scheme (Hours)</b>		
			<b>Theory</b>	<b>Practical</b>	<b>Credits</b>
	1040302401	Journal Club#	-	2	1
	1040302402	Mid Sem Review (Research Work)	-	6	3
	1040302403	Research Work Phase II	-	32	16
		<b>TOTAL</b>	-	<b>40</b>	<b>20</b>

## Teaching Methodologies and Learning Experiences

College adopted a dynamic and student-centric approach to teaching and learning during the academic year 2024–2025. The institution emphasized experiential learning, interdisciplinary engagement, and academic enrichment through the following initiatives:

- **Interactive Pedagogy:** Classrooms were equipped with projectors and digital tools to facilitate visual and interactive learning. Lab-based practicals provided hands-on experience, especially in life sciences and biotechnology.
- **Interdisciplinary Learning:** Courses integrated concepts across disciplines, encouraging students to connect scientific knowledge with real-world applications.
- **Experiential Learning:** Project-based assignments, peer-led lectures, and seminar presentations enabled students to actively engage with course content and develop communication and analytical skills.

## Evaluation Process & Reforms

- Evaluation is conducted as per university standards, with continuous internal assessment.
- Transparency and timely feedback are followed for errorless results.
- Mid-term tests, assignments, presentations, and lab performance are part of assessment.

### CHAPTER 3 RESEARCH , CONSULTANCY AND LIST OF EXTENSION

Research constitutes a fundamental pillar of academic growth and professional advancement in the field of pharmacy. At our institution, the research ecosystem is designed to foster innovation, scientific rigor, and translational outcomes that contribute meaningfully to healthcare and society.

Faculty members and students are consistently engaged in projects encompassing drug design and discovery, novel formulation development, pharmacological investigations, regulatory science, pharmacovigilance, and public health initiatives.

Emphasis is placed on methodical inquiry, evidence-based practices, and adherence to ethical research standards.

Strategic collaborations with industry partners, research laboratories, and healthcare organizations further enhance the quality and relevance of our scholarly work.

The research endeavors documented herein highlight the institution's commitment to generating new knowledge, addressing contemporary pharmaceutical challenges, and reinforcing its role as a contributor to the global scientific community.

**MoUs**

Name of college	Department	Date of Signing MOU	Organization with which MOU was signed	Details including Scope of MOUs
<b>BMCP</b>	Pharmacy	10/08/2020	Globela Pharma	Industrial training & visit, Placement, guest lectures, skill development programs
<b>BMCP</b>	Pharmacy	14/9/2021	Believe Pharma	Industrial training & visit, Placement, guest lectures, skill development programs
<b>BMCP</b>	Pharmacy	14/9/2021	Cubic Analytical solution	Industrial training & visit, Placement, guest lectures, skill development programs
<b>BMCP</b>	Pharmacy	14/9/2021	Mars Remedies	Industrial training & visit, Placement, guest lectures, skill development programs
<b>BMCP</b>	Pharmacy	30/9/2022	Youth development Pharmaceutical Association	Industrial training & visit, Placement, guest lectures, skill development programs
<b>BMCP</b>	Pharmacy	07/05/2025	Celltech life sciences LLP	Industrial training & visit, Placement, guest lectures, skill development programs
<b>BMCP</b>	Pharmacy	14/05/2025	Bhuma research in ayurvedic and herbal medicine	Industrial training & visit, Placement, guest lectures, skill development programs

**MEMORANDUM OF UNDERSTANDING (MoU)**

**BETWEEN**

**BHAGWAN MAHAVIR UNIVERSITY**

**&**

**GLOBELA PHARMA PVT. LTD.**

**FOR**

**SKILL DEVELOPMENT, OUTCOME BASED  
TRAININGS, PLACEMENT, R&D SERVICES AND  
RELATED SERVICES**

**MEMORANDUM OF UNDERSTANDING (MoU)**

**BETWEEN**

**Bhagwan Mahavir College of Pharmacy**  
BMEF Campus, VIP Road, Bharthana Vesu, Surat-395017, Gujarat, India

**AND**

**Believe Pharma**  
440/2, Road No 82/A, Sachin GIDC, Surat-394230, Gujarat, India.

This Memorandum of Understanding (hereinafter called as the 'MoU') is entered into on this the 14 day of Sep Month 2021, Tuesday by and between.

**Bhagwan Mahavir College of Pharmacy**, the First Party represented herein by its Principal / Director / Head of Institution **Bhagwan Mahavir College of Pharmacy** And **Believe Pharma**. The Second party, and represented herein by its Centre Head / Director / Managing Director Mr. Rajni B. Mungra, Partner

**MEMORANDUM OF UNDERSTANDING (MoU)**

BETWEEN

**Bhagwan Mahavir College of Pharmacy**  
BMEF Campus, VIP Road, Bharthana Vesu, Surat 395 017, Gujarat - INDIA

AND

**Cubic Analytical Solution**  
99/100, Yogi Estate, b/h 66kv Substation Nr. Karmatur Chowkdi, GIDC,  
Ankleshwar- 393002, Gujarat - INDIA

This Memorandum of Understanding (hereinafter called as the 'MoU') is entered into on this the 14 day of Sep Month 2021, Tuesday by and between.

**Bhagwan Mahavir College of Pharmacy**, the First Party represented herein by its Principal / Director / Head of Institution **Bhagwan Mahavir College of Pharmacy And Cubic Analytical Solution** The Second party, and represented herein by its Centre Head / Director / Managing Director Dr. Nirav Gheewala, Technical Director.

**MEMORANDUM OF UNDERSTANDING (MoU)**

BETWEEN

**Bhagwan Mahavir College of Pharmacy**  
BMEF Campus, VIP Road, Bharthana Vesu, Surat. 395 017 Gujarat

AND

**Mars Remedies**  
Plot no. 89/ A, Ground Floor, Opp. - Zenith Mill, Vastadevdi Road, Katargam, Surat - 395004, Gujarat,  
India.

This Memorandum of Understanding (hereinafter called as the 'MoU') is entered into on this the 14 day of Sep Month 2021, Tuesday by and between.

**Bhagwan Mahavir College of Pharmacy**, the First Party represented herein by its Principal / Director / Head of Institution **Bhagwan Mahavir College of Pharmacy And Mars Remedies**. The Second party, and represented herein by its Centre Head / Director / Managing Director Mr. Rajni B. Mungra, Director.



**BHAGWAN  
MAHAVIR  
UNIVERSITY**



## **Memorandum of Understanding**

**between**

**Youth Development Pharmaceutical  
Association (YDPA)**  
**(Ahmedabad, INDIA)**

**and**

**Bhagwan Mahavir College of Pharmacy  
Bhagwan Mahavir University**



## **MEMORANDUM OF UNDERSTANDING**

**Between**

**CELLTECH LIFE SCIENCES LLP, SURAT**

**And**

**BHAGWAN MAHAVIR COLLEGE OF PHARMACY (BMCP)**  
**(A Constituent College of Bhagwan Mahavir University, Surat)**

This Memorandum of Understanding (MoU) is entered into on this 7<sup>th</sup> day of May, 2025, by and between:

**CELLTECH LIFE SCIENCES LLP**, having its registered office at 411, 4th Floor, Happy Hallmark Shoppers, Next to Celebrity Green, Vesu, Surat - 395007, Gujarat, India,

**AND**

**BHAGWAN MAHAVIR COLLEGE OF PHARMACY** herewith referred to as BMCP (A Constituent College of Bhagwan Mahavir University, Surat), located at VIP Road, Bharthana, Vesu, Surat - 395017, Gujarat, India.

Both parties hereinafter jointly referred to as the "Parties".



## MEMORANDUM OF UNDERSTANDING

Between

**BHUMA RESEARCH IN AYURVEDIC AND HERBAL MEDICINE, SURAT (BRAHM)**

And

**BHAGWAN MAHAVIR COLLEGE OF PHARMACY (BMCP)**

(A Constituent College of Bhagwan Mahavir University, Surat)

This Memorandum of Understanding (MoU) is entered into on this 14<sup>th</sup> day of May, 2025, by and between:

**BHUMA RESEARCH IN AYURVEDIC AND HERBAL MEDICINE** herewith referred to as BRAHM, having its Research & Development (R & D) laboratory at 205, Trade House, Athugar Street, Nanpura, Surat – 395001.

AND

**BHAGWAN MAHAVIR COLLEGE OF PHARMACY** herewith referred to as BMCP (A Constituent College of Bhagwan Mahavir University, Surat), located at VIP Road, Bharthana, Vesu, Surat - 395017, Gujarat, India.

Both parties hereinafter jointly referred to as the "Parties".

## ***M. Pharm Research Project 2024-25***

***Duration: 9 months***

<b>Sr. No.</b>	<b>Enrolment no.</b>	<b>Name</b>	<b>Title</b>	<b>Research Guide</b>
<b><i>Pharmaceutics</i></b>				
1.	2304030101001	Deepak Bharghav	Formulation and Evaluation of Ivabradine Mouth Dissolving Tablet	Dr. Ronak Dedania
2.	2304030101002	Gautam L Gadhada	Design, Development and Evaluation of Oral Spray Formulation of Apixaban	Dr. Sanket Gandhi
3.	2304030101003	Jigish Gamit	Development of Solid Lipid Nanoparticles of Aprepitant for Enhancement of Solubility and Rate of Dissolution	Dr. Ronak Dedania
4.	2304030101004	Keyur M. Kachhad	Formulation Development and Optimization of Linezolid <i>In-Situ</i> Gel for Ophthalmic Drug Delivery System	Dr. Ronak Dedania
5.	2304030101005	Sanjay Katariya	Formulation and Evaluation of Mouth Dissolving Film of Voglibose	Dr. Sanket Gandhi
6.	2304030101007	Patel Riya Kanubhai	design, Development and Optimization of Solid Lipid Nanoparticles of Canagliflozin Anti-diabetic Agent	Dr. Ronak Dedania
7.	2304030101009	Nikunj Tailor	Formulation and Optimization of Ezetimibe Spherical Agglomeration for Solubility Enhancement	Dr. Ronak Dedania

<b>Pharmaceutical Quality Assurance</b>					
<b>8.</b>	2304030201002	Darshit Pareshbhai Naik	Simultaneous Estimation of Empagliflozin and Metoprolol Succinate by RP-HPLC Method	Dr. Zarna Dedania	
<b>9.</b>	2304030201003	Rana Beena Jagmohandas	Impurity Profiling of Ademetonine Injection by RP-HPLC	Dr. Zarna Dedania	
<b>Regulatory Affairs</b>					
<b>10.</b>	2304030301001	Ayushi Pandey	Navigating the ANDA Pathway: A Comprehensive Study on Apremilast Generic Filing and Quality Module Review in eCTD	Dr. Vineet Jain Ms. Grishma Desai	
<b>11.</b>	2304030301002	Aditi Jignesh Patel	Regulatory Consideration of Bach Flower Extract Based Cream & Pastilles in India	Dr. Ronak Dedania	
<b>12.</b>	2304030301003	Patel Dhruvil Kaushikkumar	Regulatory Requirement for Dossier Containing Atenolol Tablet in Zambia and Compare Guidelines With India	Dr. Vineet Jain Ms. Grishma Desai	
<b>13.</b>	2304030301004	Rajput Anmol Vinit	Comparative Analysis of the Pharmacovigilance System in India and USA	Dr. Ronak Dedania Ms. Grishma Desai	
<b>14.</b>	2304030301005	Sonal Raisahab Singh	Comparative Analysis of Clinical Research Requirement for Oncological Products in India and Usa	Dr. Vineet Jain	

				Ms. Grishma Desai
<b>15.</b>	2304030301006	Meet K Lathiya	A Study on Regulatory Requirements for Registration of Implantable Pacemaker Pulse Generators in India and Europe	Dr. Rashmi Korat

**BHAGWAN MAHAVIR COLLEGE OF PHARMACY, SURAT****FACULTY PUBLICATIONS****List of publications 2025**

Sr. No .	Title of Research/ Review Article	Author(s)	Name of Journal, Year, Vol (Issue): Pg No DOI	Impact factor	ISSN No	DOI
1.	Application Of Central Composite Design for RP-HPLC Assay Method in Concurrent Quantitation of Nadifloxacin and Adapalene: Development and Validation with Forced Degradation Study	Naik Shreya, Zarna Dedania	International Journal of Pharmaceutical Sciences, 2025, 3(1):1442-1457	4.7	0975-4725	10.5281/zenodo.14685265
2.	Nadifloxacin and Adapalene: A Review On Reported Methods For Purpose Of Validation And Quality Monitoring	S. N. Naik, Z. R. Dedania	International Journal of Pharmaceutical Sciences and Research, 2025, 16(3): 1000-1008	5.9	0975-8232	10.13040/IJPSR.0975-8232.16(3).655-62

3.	Stability indicating eco-friendly HPLC method development and validation for the estimation of bisoprolol fumarate and telmisartan	Hitanshi Darji <sup>1*</sup> , Pratima Prajapati, Zarna Dedania Ronak Dedania	Future Journal of Pharmaceutical Sciences (2025) 11:11:1-13		Springer Open	<a href="https://doi.org/10.1186/s43094-025-00760-3">https://doi.org/10.1186/s43094-025-00760-3</a>
----	--	--	--	--	---------------	---

**BHAGWAN MAHAVIR COLLEGE OF PHARMACY, SURAT****List of publications 2024**

S r. N o.	Title of Research/ Review Article	Author(s)	Name of Journal, Year, Vol (Issue): Pg No DOI	Impact factor	ISSN No	DOI
1.	Bach Flower Remedies: Natural Therapeutic For Balancing Emotions	Aditi Patel and Zarna Dedania	International Journal of Pharmaceutical Sciences and Research, 2024, 15(4): 1025-1035	An Embase	E-ISSN: 0975-8232; P-ISSN: 2320-5148	<a href="https://doi.org/10.13040/IJPSR.0975-8232.15(4).1025-35">https://doi.org/10.13040/IJPSR.0975-8232.15(4).1025-35</a>
2.	Eco-friendly based HPLC and UV-spectrophotometric methods for simultaneous estimation of Efondipine hydrochloride Ethanolate and Chlorthalidone in their dosage form	Hitanshi Darji, Zarna Dedania, Ronak Dedania, Vineet Jain	Green Analytical Chemistry, 2024, 8(1):100092	3.0 Citescore An Elsevier Publication	2772-5774	<a href="https://doi.org/10.1016/j.greeac.2024.100092">https://doi.org/10.1016/j.greeac.2024.100092</a> Received 26 November 2023; Received in revised form
3.	Analytical QbD Approach to HPLC	Shah Chandra K, Dr. Dedania Zarna	Futuristic Trends in Pharmacy & Nursing, IIP		e-ISBN: 978-93-6252-900-8	<a href="https://www.doi.org/10.58532/V3BGPN19P1CH6">https://www.doi.org/10.58532/V3BGPN19P1CH6</a>

	Method Development and Validation For Pregabalin	Dr. Dedania Ronak Dr. Jain Vineet C.	Series, Volume 3, Book 19, Part 1, Chapter 6			
4.	Preclinical techniques for drug discovery in Psoriasis	Pranjal P Gujarathi, Rashmi Korat, Piyush Gujarathi	International Immunopharmacology, 2024; 137: 112378.	4.8 Elsevier Publication	E ISSN-1878-1705 Print ISSN - 1567-5769	<a href="https://doi.org/10.1016/j.intimp.2024.12378">https://doi.org/10.1016/j.intimp.2024.12378</a>
5.	A complete guide for Psoriasis	Pranjal P Gujarathi, Rashmi Korat, Piyush Gujarathi			ISBN 6206778 711	Lambert Academic Publishing
6.	An overview on treatment of Rheumatoid Arthritis	Drashti R. Mandlik, Binal S. Patel	International Journal of Pharmaceutical Sciences and Research, 2024, 15(6): 1616-1626	An Embase	E-ISSN: 0975-8232; P-ISSN: 2320-5148	<a href="https://doi.org/10.13040/IJPSR.0975-8232.15(6).1616-26">https://doi.org/10.13040/IJPSR.0975-8232.15(6).1616-26</a>
7.	Analysing the efficacy of morphine in cancer patients: a Paired t-test approach using SPSS	Soheila Azim Patrawala, Samya Jayeshbhai Sheth, Dr. Zarna Dedania	“SAMHITA” Multi-Disciplinary Research Journal, 2024; 2(1): 24-35 20/06/2024		2584-010X	<a href="https://journals.bmusrat.ac.in/assets/upload/journals/Vol-2_Issue-1_2024/BMUSMDRJ.2024.2.1.5.pdf">https://journals.bmusrat.ac.in/assets/upload/journals/Vol-2_Issue-1_2024/BMUSMDRJ.2024.2.1.5.pdf</a>
8.	A Review On: Adapalene In Combination With Tea Tree Herbal Oil For Acne Treatment	Garima Singh*, Dr. Ronak Dedania	Indo American Journal of Pharmaceutical Sciences, 2024;11 (07): 17-25		2349-7750	<a href="https://zenodo.org/records/12647200">https://zenodo.org/records/12647200</a>

9.	Formulation and Evaluation and Development of Herbal Medicated Chewing Gum as a Antiplaque Agent	Joshna Mohanlal Mali, Ronak Dedania	Journal of Cardiovascular Disease Research, 2024; 15(07): 203-229		0975-3583, 0976-2833	<a href="https://doi.org/10.48047/jcdr.2024.15.07.21">10.48047/jcdr.2024. 15.07.21</a>
10.	RP-HPLC Method Development And Validation Of Abacavir, Dolutegravir And Lamivudine In Combined Pharmaceutical Dosage By Analytical QbD	Divyesh Vanparia*, Ronak Dedania Zarna Dedania	World Journal of Pharmaceutical Science and Research, 2024; 3(6): 329-341		2583-6579	<a href="https://doi.org/10.5281/zenodo.14576822">https://doi.org/10.5281/zenodo.14576822</a>
11.	Harnessing the power of life: The technology of new generation	Ninad Joshi, Bhavini Gharia	International Journal of pharmaceutical science, 2024;2, (12), 3409-3430		0975-4725	10.5281/zenodo.14577498

## PUBLISHED ARTICLES (2025)

Naik and Dedania, IJPSR, 2025; Vol. 16(3): 655-662.

E-ISSN: 0975-8232; P-ISSN: 2320-5148

**IJPSR (2025), Volume 16, Issue 3**

**(Review Article)**



**INTERNATIONAL JOURNAL  
OF  
PHARMACEUTICAL SCIENCES  
AND  
RESEARCH**



Received on 29 August 2024; received in revised form, 25 October 2024; accepted, 05 November 2024; published 01 March 2025

### **NADIFLOXACIN AND ADAPALENE: A REVIEW ON REPORTED METHODS FOR PURPOSE OF VALIDATION AND QUALITY MONITORING**

S. N. Naik <sup>1</sup> and Z. R. Dedania <sup>2</sup>

Department of Pharmaceutical Quality Assurance <sup>1</sup>, Rofel Shri G. M. Bilakhia College of Pharmacy, Vapi - 396191, Gujarat, India.

Department of Pharmaceutical Quality Assurance <sup>2</sup>, Bhagwan Mahavir Centre for Advance Research, Bhagwan Mahavir University, Surat - 395007, Gujarat, India.

**Keywords:**

Nadifloxacin, Adapalene, Chromatography, Column, Mobile phase

**Correspondence to Author:**  
**Shreya Nareshbhai Naik**

Ph.D. Research Scholar,  
Department of Pharmaceutical Quality Assurance, Bhagwan Mahavir Centre for Advance Research, Bhagwan Mahavir University, Surat - 395007, Gujarat, India.

**E-mail:** ShreyaNaik321@gmail.com

**ABSTRACT:** *Acne vulgaris* is a common chronic inflammatory skin disease found predominantly in adolescents in both sexes. The best acne treatment inhibits bacterial growth, encourages the shedding of skin cells to unclog pores. Treatment for acne includes topical agents and systemic agents. Its quality monitoring becomes essential for assuring quality products for human care. So, for that purpose a detailed study of review was done including reported and validated methods, official monograph methods for estimation of Nadifloxacin and Adapalene. It was found from a literature survey that among all reported evaluation methods the most widely and predominantly followed method is HPLC. Other methods reported were UV, HPTLC. A conclusion was made that there is lack of evaluation analytical methods for simultaneous estimation of Nadifloxacin and Adapalene in combined dosage form.

Naik Shreya, Int. J. of Pharm. Sci., 2025, Vol 3, Issue 1, 1442-1457 | Research



**INTERNATIONAL JOURNAL OF  
PHARMACEUTICAL SCIENCES**

[ISSN: 0975-4725; CODEN(USA): IJPS00]

Journal Homepage: <https://www.ijpsjournal.com>

**OPEN  ACCESS**

**Research Paper**

### **Application Of Central Composite Design for RP-HPLC Assay Method in Concurrent Quantitation of Nadifloxacin and Adapalene: Development and Validation with Forced Degradation Study**

**Naik Shreya\*, Zarna Dedania**

Department of Pharmaceutical Quality Assurance, Bhagwan Mahavir Centre of Advance Research, Bhagwan Mahavir University, Surat Gujarat, India.

**ARTICLE INFO**

Published: 18 Jan. 2025

**Keywords:**

Quality by design, RP-HPLC, Central composite design, ICH Guideline, forced degradation.

**DOI:**

10.5281/zenodo.14685265

**ABSTRACT**

Chromatographic analysis was done using a statistical software called Design Expert 13 version, a stability indicator technique was created, developed and optimized for the concurrent quantitation of Nadifloxacin and Adapalene in marketed dosage form. For mobile phase optimization, the two-factor central composite design and randomized response surface methods were employed. The impact of the independent variables: pH of mobile phase and milliliters of acetonitrile were studied on their critical quality attributes (i.e. retention time of Nadifloxacin, Adapalene and resolution were examined). The C18 Stationary Phase dimension of (250 mm × 4.6 mm, particle size of 5  $\mu$ ) was used to aid accomplish chromatographic separation using Methanol: Acetonitrile: Water (pH 4.5) adjusted by OPA at 35:55:10 % volume with 1mL min<sup>-1</sup> of flow rate at 236 nm. Drugs were eluted with retention time of 3.295 min and 8.200 min for nadifloxacin and adapalene. The validation was completely performed as per ICH Q2 (R1) guideline. The drug stability was studied under forced degradation conditions of acidic, alkaline, thermal, oxidation and under sunlight conditions.

RESEARCH

Open Access



## Stability indicating eco-friendly HPLC method development and validation for the estimation of bisoprolol fumarate and telmisartan

Hitanshi Darji<sup>1\*</sup>, Pratima Prajapati<sup>1</sup>, Zarna Dedania<sup>2</sup> and Ronak Dedania<sup>2</sup>

### Abstract

**Background** Telmisartan and bisoprolol fumarate together are two medications that diminish arterial pressure. The current study comprises an evaluation of the proposed methodology's greenness regarding the HPLC method used to govern the medication mixture regardless of dose form. A novel stability suggesting HPLC method's environmental effect was evaluated using the greenness metrics. Stress conditions comprising acidic, alkaline, oxidative, thermal, and photolytic degradation were applied for both of the medications.

**Results** The RP-HPLC method employing a reversed-phase C<sub>18</sub> column with a gradient approach, the HPLC chromatography was carried out. The mobile phase consisted of acetonitrile, methanol, and phosphate buffer (60:35:5, %v/v/v), with the stationary phase being the Unisphere C<sub>18</sub> column Agela Tech. The RP-HPLC method uses UV detection at 224 nm with chromatographic purification spanning linearities of 2.5–12.5 µg/mL for bisoprolol fumarate and 40.0–200.0 µg/mL for telmisartan, correspondingly. The procedure is accurate and precise, as demonstrated by an outcome that % RSD inside the permissible range. Additionally, various stressors were introduced to the medications. The approach's green credentials with respect to solvent utilization, chemical substances, expenditure of energy, and waste formation have been verified by the greenness data collected during the evaluation. No chromatographic or spectrum impediments caused by formulation additives have been observed.

**Conclusion** Bisoprolol fumarate and telmisartan could be measured simultaneously using the devised RP-HPLC method, which was simple, quick, sensitive, accurate, precise, linear, and stability indicating. The proposed approach showed ecological friendliness, robustness, sensitivity, and ease of use. As a result, the devised method could be applied to the regular quality checking of tablets and bulk medications.

**Keywords** Bisoprolol fumarate, Telmisartan, Method validation, Stability study, HPLC method, Greenness assessment

## PUBLISHED ARTICLES (2024)

Patel and Dedania, IJPSR, 2024; Vol. 15(4): 1025-1035.

E-ISSN: 0975-8232; P-ISSN: 2320-5148

IJPSR (2024), Volume 15, Issue 4

(Review Article)



**INTERNATIONAL JOURNAL  
OF  
PHARMACEUTICAL SCIENCES  
AND  
RESEARCH**



Received on 14 August 2023; received in revised form, 13 February 2024; accepted, 20 March 2024; published 01 April 2024

### BACH FLOWER REMEDIES: NATURAL THERAPEUTIC FOR BALANCING EMOTIONS

Aditi Patel and Zarna Dedania \*

Department of Quality Assurance, Bhagwan Mahavir College of Pharmacy, Bhagwan Mahavir University, BMEF Campus, Near Aakash E-Space, Bharthana, Vesu, Surat - 395017, Gujarat, India.

#### Keywords:

Bach flower remedies, Rescue remedy, Dr. Bach's Philosophy, Emotion wheel, Remedies elucidation

#### Correspondence to Author:

**Zarna Dedania**

Professor & HOD,  
Department of Quality Assurance,  
Bhagwan Mahavir College of  
Pharmacy, Bhagwan Mahavir  
University, BMEF Campus, Near  
Aakash E-Space, Bharthana, Vesu,  
Surat - 395017, Gujarat, India.

**E-mail:** zaroo229@gmail.com

**ABSTRACT:** Bach Flower Remedies were identified by Dr. Edward Bach who was a physician and homoeopath. His discovery and life history for these flower therapy to atone and cure emotions is stated. It affirms that factors like depression, anxiety, stress, anger etc. affects emotions and triggers diseases. The 38 flower remedies emphasize on Bach's Philosophy of seven principle of causes and its healing stages. Each remedy is allocated with morphological and taxonomical characteristics along with medicinal properties that link up to its psychological emotional state. The usage and diagnostic features are incorporated. Bach flower remedies have substantial scope as this simple system of naturally curing and managing emotions would be the medicament of the future. These remedies work as relaxant, anti-depressant and many other therapeutic effects. It is an alternative system of medicine that has efficacious outcomes where rescue remedy has fruitful positiveness.



Contents lists available at ScienceDirect

Green Analytical Chemistry

journal homepage: [www.elsevier.com/locate/greac](http://www.elsevier.com/locate/greac)



**Eco-friendly based HPLC and UV-spectrophotometric methods for simultaneous estimation of Efonidipine hydrochloride Ethanolate and Chlorthalidone in their dosage form**

Hitanshi Darji <sup>a,\*</sup>, Zarna Dedania <sup>b</sup>, Ronak Dedania <sup>b</sup>, Vinit Jain <sup>b</sup>

<sup>a</sup> Department of Pharmaceutical Science, Bhagwan Mahavir Centre for Advance Research, Bhagwan Mahavir University, Surat, India

<sup>b</sup> Bhagwan Mahavir College of Pharmacy, Bhagwan Mahavir University, Surat, India

ARTICLE INFO

**Keywords:**  
Chlorthalidone  
Efonidipine hydrochloride ethanolate  
Method validation  
Greenness assessment  
Statistical evaluation

ABSTRACT

**Objective:** Efonidipine hydrochloride Ethanolate and Chlorthalidone combination was approved by CDSCO for Phase III clinical trial. This combination is utilized to pharmacological therapy that can effectively control hypertension situations. The present research includes an RP-HPLC and Simultaneous equation UV methods for the determination of drug combination in tablet dosage form. Furthermore, greenness assessment and statistical evaluation of developed methods.

**Method:** The HPLC chromatography was performed using a gradient technique on a reversed-phase C18 column with mobile phase based and optimized depending on the polarity of the molecules. The Unisphere C18 column (Agela Tech., (250 mm x 4.6 mm i.d., 5  $\mu$ m.) as stationary phase and Acetonitrile: 0.2 M Potassium dihydrogen orthophosphate pH 4 (60: 32% v/v) as mobile phase. The Simultaneous equation UV method was developed and validated at 220 nm and 250 nm in methanol: distilled water (20:80, v/v). The greenness assessment tools were used to assess the ecological impact of the new UV spectrophotometric method and HPLC method.

**Results:** UV detection in RP-HPLC method at 220 nm for gradient elution was used to achieve chromatographic separation over the linearity 3.0–60.0  $\mu$ g/mL and 10.0–200.0  $\mu$ g/mL and for UV method 3.0–15.0  $\mu$ g/mL and 10.0–50.0  $\mu$ g/mL for Chlorthalidone (CLT) and Efonidipine (EFD) respectively.

The value of% RSD within the limit indicated that the method is precise, accurate and% recovery shows that there is no interference from the excipients.

Greenness assessment data confirmed the method's environmental friendliness in terms of solvent usage, chemical compounds, energy consumption, and trash creation. There were no spectral or chromatographic interference between the two methods.

**Conclusion:** The analytical method validation parameters were found to be as per acceptance criteria. In terms of accuracy and precision, statistical testing employing an analysis of variance test did not find any significant differences between the two methods. To evaluate the greenness and whiteness of an analytical method, a reliable assessment of the health and environmental risk associated with chemical use is essential.

International Immunopharmacology 137 (2024) 112378



Contents lists available at ScienceDirect

International Immunopharmacology



journal homepage: [www.elsevier.com/locate/intimp](http://www.elsevier.com/locate/intimp)

Review

Preclinical techniques for drug discovery in psoriasis

Pranjal P. Gujarathi <sup>a,b,\*</sup>, Rashmi H. Korat <sup>c</sup>, Piyush S. Gujarathi <sup>d</sup>

<sup>a</sup> Department of Pharmacology, Vidhyadeep Institute of Pharmacy, Vidhyadeep University, Anita, Surat, Gujarat, India

<sup>b</sup> Bhagwan Mahavir Centre for Advance Research, Bhagwan Mahavir College of Pharmacy, Bhagwan Mahavir University, Vesu, Surat, Gujarat, India

<sup>c</sup> Department of Pharmacognosy, Bhagwan Mahavir College of Pharmacy, Bhagwan Mahavir University, Vesu, Surat, Gujarat, India

<sup>d</sup> Department of Community Medicine, Vidhyadeep Homeopathic Medical College and Research Centre, Vidhyadeep University, Anita, Surat, Gujarat, India

ARTICLE INFO

**Keywords:**  
Psoriasis  
Autoimmunity  
Imiquimod  
HaCat cell line  
*In-vitro*  
*In-vivo*  
*Ex-vivo*  
Zebrafish  
Immunoglobulin  
animal model  
keratinocyte  
Psoriasis Area Severity Index (PASI)

ABSTRACT

Psoriasis is a chronic, inflammatory, papulosquamous, noncontagious disease characterized by scaly, demarcated erythematous plaque, affecting skin, nails, and scalp. The IL-23/Th17 axis is the main operator in the development of psoriasis. Psoriasis is affecting worldwide, and new treatment options are urgently needed. Various local and systemic treatments are available for psoriasis but they only provide symptomatic relief because of numerous unknown mechanisms. Clinical trials demand overwhelming resources; therefore, drug development predominantly depends on the *in-vivo*, *in-vitro*, and *ex-vivo* techniques. Immediate attention is required to develop experimental techniques that completely imitate human psoriasis to assist drug development. This review portrays the various *in-vivo*, *in-vitro*, and *ex-vivo* techniques used in psoriasis research. It describes these techniques' characteristics, pathological presentations, and mechanisms. The experimental techniques of psoriasis provide significant information on disease progression mechanisms and possible therapeutic targets. However, until now, it has been challenging to invent a timely, affordable model that precisely imitates a human disease. Only the xenotransplantation model is reckoned as the closer, that mimics the complete genetic, and immunopathogenic event. Imiquimod-induced psoriasis and HaCat cell lines are popular among researchers because of their convenience, ease of use, and cost-effectiveness. There need to further improve the experimental techniques to best serve the disease imitation and meet the research goal.



Received on 01 September 2022; received in revised form, 22 April 2024; accepted, 28 April 2024; published 01 June 2024

## AN OVERVIEW ON TREATMENT OF RHEUMATOID ARTHRITIS

Drashti R. Mandlik <sup>1</sup> and Binal S. Patel <sup>2</sup>

Department of Pharmacology <sup>1</sup>, Bhagwan Mahavir College of Pharmacy, Vesu, Surat - 395007, Gujarat, India.

Faculty of Pharmacy <sup>2</sup>, Uka Tarsadia University, Maliba Campus, Bardoli-Mahuva road, Surat - 394350, Gujarat, India.

**Keywords:**

*Rheumatoid arthritis* (RA), NSAIDs, Glucocorticoids, Conventional synthetic DMARD (csDMARD), Methotrexate (MTX), TNF- $\alpha$  inhibitors, JAK-inhibitors, IL-6 inhibitors

**Correspondence to Author:**

Ms. Drashti Ravindra Mandlik

Assistant Professor,  
Department of Pharmacology,  
Bhagwan Mahavir College of Pharmacy,  
Vesu, Surat - 395007, Gujarat, India.

**E-mail:** drashtimandlik192@gmail.com

**ABSTRACT:** *Rheumatoid arthritis* (RA) is an autoimmune disease associated with chronic inflammation of the joints. If it is untreated then it leads to destruction of joints, erosion of cartilage and bone and eventually leads to loss of physical function. Since, RA is not complete curable disease, the treatment goals are to reduce the pain and stop/slow further damage. With advancement in the field of molecular biology, a better understanding of disease mechanisms is available which can help in the designing of more effective treatments. Old treatment modes have been optimized and new ones have been produced. Nowadays, different classes of drugs with different mechanism of action are available to control the inflammation and to achieve remission. The aim of this review is to discuss previous and present treatment options for treating RA and its complications.

## ANALYSING THE EFFICACY OF MORPHINE IN CANCER PATIENTS: A PAIRED t-TEST APPROACH USING SPSS

**Soheila Azim Patrawala<sup>1</sup>, Samya Jayeshbhai Sheth <sup>2</sup>, Dr. Zarna Dedania <sup>3</sup>**

<sup>1</sup> Student, Bhagwan Mahavir College of Pharmacy, Surat, Gujarat, India.

<sup>2</sup> Student, Bhagwan Mahavir College of Pharmacy, Surat, Gujarat, India.

<sup>3</sup> Professor, Bhagwan Mahavir College of Pharmacy, Surat, Gujarat, India.

**Abstract:** This study aims to quantitatively assess the analgesic effect of morphine in patients with cancer-related pain. By implementing a pre- and post-treatment research design, we conducted a statistical analysis using the paired t-test to compare pain levels before and after morphine administration. A sample of cancer patients (n=number of participants) receiving palliative care was evaluated for pain intensity using a standard pain scale. The participants were administered morphine as part of their routine pain management protocol. Pain assessments were recorded both prior to and subsequent to the administration of morphine. The data collected were analyzed using SPSS software to calculate the mean difference in pain scores and examine the significance of morphine's effect on pain reduction. The paired t-test allowed for a controlled comparison within the same individuals, thus accounting for individual variations in pain perception and morphine response. Preliminary results indicate a statistically significant reduction in pain levels post-morphine treatment ( $p<0.05$ ), implying that morphine is an effective analgesic for the alleviation of cancer pain. This research contributes to the overarching understanding of opioid efficacy in pain management and underscores the importance of individualized analgesic regimens. Furthermore, it brings attention to the need for rigorous, data-driven approaches in analyzing pain management strategies. Future research directions include exploring factors influencing morphine efficacy and tailoring pain management practices to enhance patient outcomes.

**Key Words:** Cancer Pain, Morphine, Pain Management, Paired t-test, SPSS, Palliative Care.



CODEN [USA]: IAJPBB

ISSN : 2349-7750

INDO AMERICAN JOURNAL OF  
PHARMACEUTICAL SCIENCESSJIF Impact Factor: 7.187  
<https://zenodo.org/records/12647200>Available online at: <http://www.iajps.com>

Review Article

## A REVIEW ON: ADAPALENE IN COMBINATION WITH TEA TREE HERBAL OIL FOR ACNE TREATMENT

<sup>1</sup>Garima Singh\*, <sup>2</sup>Dr. Ronak Dedania<sup>1</sup>Research Scholar at Bhagwan Mahavir University, Gujarat,  
Email-id : [ssinghgarima9@gmail.com](mailto:ssinghgarima9@gmail.com)  
Contact no. 7984273349<sup>2</sup>Professor at Bhagwan Mahavir University, Surat, Gujarat,  
Email-id : [ronak.dedania@bmusurat.ac.in](mailto:ronak.dedania@bmusurat.ac.in) Contact no. 9426981481**Abstract:**

Acne is the most common skin disease worldwide. Acne is estimated to affect 9.4% of the world's population, making it the eighth most common disease worldwide. Acne vulgaris is caused by disruption and inflammation of the pilosebaceous unit (hair follicles and sebaceous glands) leading to the formation of comedones, papules, pustules, nodules, and/or cysts. Acne appears on the face and upper body. It mostly affects young people. Adapalene binds to retinoid acid receptors (RAR)-beta and RAR-gamma; Retinoid activation is known to affect cell growth and differentiation, and adapalene has been shown to inhibit HeLa cell proliferation and human keratinocyte differentiation. These effects explain the anti-comedogenic and anti-comedogenic properties of adapalene. It acts as an anti-inflammatory agent, inhibits respiration and increases membrane permeability of microbial cells. Adapalene and herbal oil together create a synergistic effect. Adapalene and herbal oil will cause redness or swelling when taken alone, although not together, so the combination of adapalene and herbal oil will be effective in treating acne. Among herbal oils, some oils are used especially in the treatment of acne. Oils such as tea tree oil, neem oil and lemongrass oil have antibacterial properties and can help treat acne. Tea tree oil has better effect along with adapalene for acne treatment. Niosomal gel preparation of adapalene in combination with tree oil will have potential effectiveness against acne.

**Key words:** Acne, Acne Vulgaris, Pilosebaceous gland, Comedones, Papules, Adapalene, Herbal oil, tea tree oil, niosomal gel.

**Corresponding author:**

**Garima Singh,**  
Research Scholar at Bhagwan Mahavir University, Gujarat,  
Email-id : [ssinghgarima9@gmail.com](mailto:ssinghgarima9@gmail.com)  
Contact no. 7984273349



Please cite this article in press **Garima Singh et al. A Review On: Adapalene In Combination With Tea Tree Herbal Oil For Acne Treatment.** Indo Am. J. P. Sci. 2024; 11 (07).

## Journal of Cardiovascular Disease Research

ISSN: 0975-3583,0976-2833

VOL15, ISSUE 07, 2024

## FORMULATION AND EVALUATION AND DEVELOPMENT OF HERBAL MEDICATED CHEWING GUM AS A ANTIPLAQUE AGENT

**Joshna Mohanlal Mali<sup>1</sup>, Ronak Dedaniya<sup>2</sup>**

<sup>1,2</sup>Bhagwan Mahavir University, Vesu, Surat, Gujarat, Address: Bhagwan Mahavir University Sr.no.149 Vip Road, Vesu, Bharthana, Surat, Gujarat 395007

**ABSTRACT**

Medicated chewing gum (MCG) of MEDICATED CHEWING GUM was developed by different method with the goal to achieve quick onset of action and to improve patient compliance. Objective: Formulation development of MCG of DM and optimization of the formulation by screening of different excipients. Material and methods: MCG containing was prepared by screening different concentrations of sweeteners, flavouring agents, softening agents, lubricants and anti-adherents by changing one variable at a time. Performance evaluation was carried out by evaluating size, shape, thickness, taste, scanning electron microscopy, texture analysis, in vivo drug release study, ex vivo buccal permeation study and by studying statistical analysis for quality. Results and discussion: The statistical analysis showed significant improvement in organoleptic properties such as chewable mass, product taste, product consistency, product softness, total flavour lasting time and pharmaceutical properties like micromeritic properties after incorporation of appropriate excipients in an optimum amount in final optimized MCG formulation

Submitted on: 01/06/2024.

Revised on: 10/06/2024.

Accepted on: 28/06/2024.



**World Journal of Pharmaceutical Science and Research**  
www.wjpsronline.com

**Research Article**

**ISSN: 2583-6579**  
**SJIF Impact Factor: 5.111**  
**Year - 2024**  
**Volume: 3; Issue: 6**  
**Page: 329-341**

**RP-HPLC METHOD DEVELOPMENT AND VALIDATION OF ABACAVIR, DOLUTEGRAVIR AND LAMIVUDINE IN COMBINED PHARMACEUTICAL DOSAGE BY ANALYTICAL QBD**

**Divyesh Vanparia<sup>\*1</sup>, Ronak Dedania<sup>2</sup> and Zarna Dedania<sup>3</sup>**

<sup>1,2,3</sup>Department of Pharmaceutical Science, Bhagwan Mahavir Centre for Advance Research, Bhagwan Mahavir University, Vesu, Surat, Gujarat, India.

Article Received: 04 November 2024 | Article Revised: 23 November 2024 | Article Accepted: 15 December 2024

**\*Corresponding Author:** Divyesh Vanparia  
Department of Pharmaceuticals, SSM College of Pharmacy, Jambai, Erode.  
DOI: <https://doi.org/10.5281/zenodo.14576822>

**How to cite this Article:** Divyesh Vanparia, Ronak Dedania and Zarna Dedania (2024). RP-HPLC METHOD DEVELOPMENT AND VALIDATION OF ABACAVIR, DOLUTEGRAVIR AND LAMIVUDINE IN COMBINED PHARMACEUTICAL DOSAGE BY ANALYTICAL QBD. *World Journal of Pharmaceutical Science and Research*, 3(6), 329-341. <https://doi.org/10.5281/zenodo.14576822>

 Copyright © 2024 Divyesh Vanparia | *World Journal of Pharmaceutical Science and Research*.  
This work is licensed under creative Commons Attribution-NonCommercial 4.0 International license (CC BY-NC 4.0)

**ABSTRACT**

A high-performance liquid chromatographic approach was developed and validated in order to gauge the effectiveness of three antiviral drugs in a combined pharmaceutical dosage form: Abacavir (ABA), Dolutegravir (DOLU), and Lamivudine (LAMI). For the intent of simultaneous drug quantification, the Analytical Quality by Design (AQbD) RP-HPLC method evolved using the Box-Behnken Design and the Design Expert® software (Version 11.0). The optimal conditions for the mobile phase's composition Methanol: Acetonitrile: Buffer of phosphate pH 3.5, 50:20:30 % v/v. Using a Shimadzu C18 column on an HPLC system incorporating ultraviolet (UV) illumination at 230 nm was employed. The number of theoretical plates and the asymmetry factor reside within the bound. The suggested means was validated by obeying to the ICH standard. There are no findings of excipient involvement in the drug mixture assay. The computed percentage RSD was discovered in the acceptance criteria, demonstrating the accuracy, precision, and reproducibility of the procedure.

**KEYWORDS:** Abacavir, Dolutegravir, Lamivudine, Analytical QbD, RP-HPLC.

Ninad Joshi, *Int. J. of Pharm. Sci.*, 2024, Vol 2, Issue 12, 3409-3430 | Review



**INTERNATIONAL JOURNAL OF PHARMACEUTICAL SCIENCES**  
[ISSN: 0975-4725; CODEN(USA): IJPS00]  
Journal Homepage: <https://www.ijpsjournal.com>

**OPEN  ACCESS**

**Review Article**

**Harnessing the Power of Life: Synthetic Biology for Next-Generation Chemical Synthesis**

**Ninad Joshi\*, Dr. Bhavini Gharia**

*Bhagwan Mahavir College of Pharmacy.*

**ARTICLE INFO**

Published: 30 Dec. 2024

**Keywords:**

Harnessing, Synthetic Biology, Chemical Synthesis, methods, and instruments.

**DOI:**

[10.5281/zenodo.14577498](https://doi.org/10.5281/zenodo.14577498)

**ABSTRACT**

Synthetic biology is a new exciting field that has been defined as a new tools to address chemical synthesis problems and issues, which are beyond the capabilities of conventional approaches. This review paper offers a detailed analysis of the incorporation of synthetic biology into the synthesis process. Prelims of the paper include an introduction that discusses the application of chemical synthesis in different fields and the rationale for using synthetic biology, the subsequent sections that describe the principles, methods, and instruments of synthetic biology. It compares them with the traditional chemical synthesis methods where these issues and difficulties are embedded. The combined importance of synthetic biology and chemical synthesis is highlighted together with the benefits and opportunities arising from the synergy of both fields. Some of the approaches to design microorganisms to produce desirable chemicals involve metabolic engineering and pathway optimization are highlighted with examples that demonstrate how they lead to improved yield and productivity. The review also discusses biocatalysis, with the emphasis on enzyme engineering and directed evolution as the key strategies for the addition of the chemical synthesis toolkit. Design of synthetic routes for the synthesis of specific target molecules is discussed, with particular focus on rational design approaches and the use of computation tools. In conclusion, drawing the main ideas outlined in the paper, the review emphasizes major findings and their future impact on the further development of synthetic biology as a breakthrough in chemical synthesis evolution...

Patent

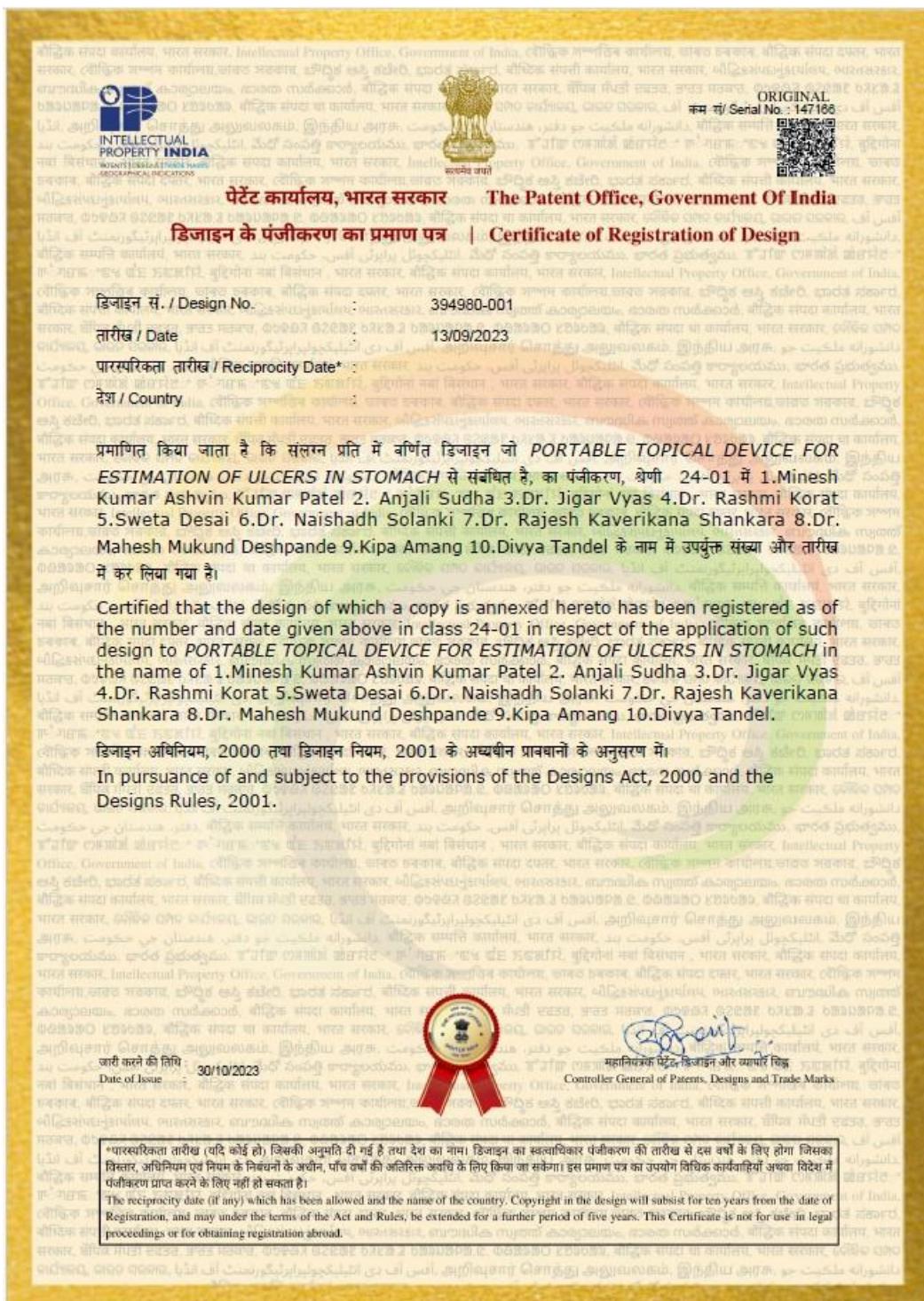
Name of the Faculty/student author of the patent	Patent Number	Date of Award	Patent Awarding Agency
Rashmi Korat	394980-001	30/10/2023	The patent office, Government of India
Velenti Chauhan	202421034929 A	17/05/2024	Indian Patent Office, Government of India
Ronak Dedania	6294058	12/07/2023	UK Design
Shailaja Saparia, Drashti Mandlik	6319793	25/10/2023	UK Design

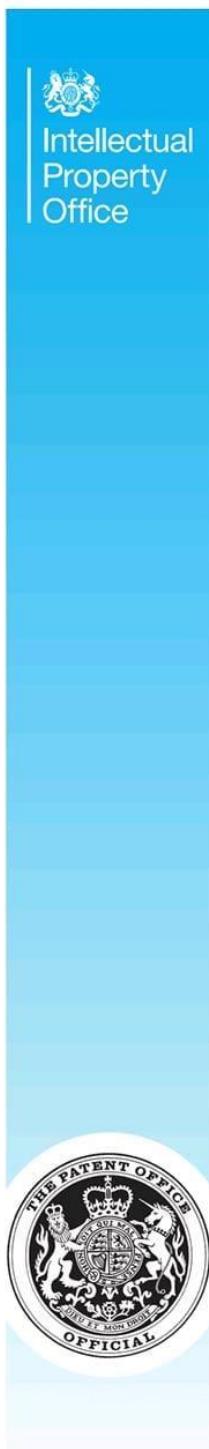
Research Coordinator

Dr. Zarna Dedania

Director

Dr. Vineet C. Jain





CERTIFICATE 4115 PDF

## Certificate of Registration for a UK Design

Design number: 6294058

Grant date: 12 July 2023

Registration date: 03 July 2023

### This is to certify that,

in pursuance of and subject to the provision of Registered Designs Act 1949, the design of which a representation or specimen is attached, had been registered as of the date of registration shown above in the name of

Dr. Shanti Verma, Pooja Raghunath Negi, Dr. Pooja Desai, Dr. Himanshu

Maniar, Dr. Ami S. Desai, Dr. Rutu Joshi, Dr. Ronak Dedania, Dr. Pankaj

Jayantilal Gandhi

in respect of the application of such design to:

Vermi Compost Machine

International Design Classification:

Version: 14-2023

Class: 15 MACHINES, NOT ELSEWHERE SPECIFIED

Subclass: 03 AGRICULTURAL AND FORESTRY MACHINERY

A handwritten signature in black ink that reads 'Adam Williams'.

### Adam Williams

Comptroller-General of Patents, Designs and Trade Marks

Intellectual Property Office

The attention of the Proprietor(s) is drawn to the important notes overleaf.

Intellectual Property Office is an operating name of the Patent Office

[www.gov.uk/ipo](http://www.gov.uk/ipo)



## Certificate of Registration for a UK Design

Design number: 6319793

Grant date: 25 October 2023

Registration date: 18 October 2023

**This is to certify that,**

in pursuance of and subject to the provision of Registered Designs Act 1949, the design of which a representation or specimen is attached, had been registered as of the date of registration shown above in the name of

Dr. Sanjeeb Kumar Patro, Dr. Ashutosh Kumar Yadav, Palanisamy Sharmila

Nirojini, Dr. Shailja Saparia, Drashti Ravindra Mandlik, Sandeep Kaur, Meera

Ganesan, Dr. Narendra Boggula, Anil Kumar, Dr. Shardul Singh Parihar

in respect of the application of such design to:

Novel Diabetic Socks for Detection of Foot Ulcers at Early Level

International Design Classification:

Version: 14-2023

Class: 02 ARTICLES OF CLOTHING AND HABERDASHERY

Subclass: 04 FOOTWEAR, SOCKS AND STOCKINGS

A handwritten signature in black ink that reads 'Adam Williams'.

**Adam Williams**

Comptroller-General of Patents, Designs and Trade Marks

Intellectual Property Office

The attention of the Proprietor(s) is drawn to the important notes overleaf.

Intellectual Property Office is an operating name of the Patent Office

[www.gov.uk/ipo](http://www.gov.uk/ipo)

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202421034929 A

(19) INDIA

(22) Date of filing of Application :02/05/2024

(43) Publication Date : 17/05/2024

(54) Title of the invention : A SPHERICAL AGGLOMERATE FORMULATION OF BILASTINE

(31) International classification :C07D0401040000, A61K0031454000, A61P0037080000,  
A61P0025000000, A61K0009000000  
(36) International Application No :NA  
Filing Date :NA  
(37) International Publication No :NA  
(61) Patent of Addition to Application Number :NA  
Application Number :NA  
Filing Date :NA  
(62) Divisional to Application Number :NA  
Filing Date :NA

(71) Name of Applicant :

1) CHAUHAN VELENTI

Address of Applicant : Department of Pharmaceutics, Bhagwan Mahavir College of Pharmacy, Bharthana Road, Surat, Gujarat 395007 surat -----

2) DR. HITESH DALVADI

3) ROFEL SHRI G. M. BILAKHIA COLLEGE OF PHARMACY

Name of Applicant : NA

Address of Applicant : NA

(72) Name of Inventor :

1) CHAUHAN VELENTI

Address of Applicant : Department of Pharmaceutics, Bhagwan Mahavir College of Pharmacy, Bharthana Road, Surat, Gujarat 395007 Surat -----

2) DR. HITESH DALVADI

Address of Applicant : Rofel, Shri G.M. Bilakhia College Of Pharmacy, Namadha Campus, Vapi-Namda Road, Vapi, Gujarat, India 396191 Vapi -----

(37) Abstract :

ABSTRACT A SPHERICAL AGGLOMERATE FORMULATION OF BILASTINE The present invention is related to a spherical agglomerate formulation of Bilastine. The present invention provides spherical agglomerate formulation of Bilastine comprising Bilastine, a combination of solvents and hydrophilic carrier. The present invention provides spherical agglomerate formulation of Bilastine that increases the bioavailability, solubility and flowability of Bilastine. The formulation of Bilastine of the present invention is used for the treatment of seasonal allergic rhinitis and chronic spontaneous urticaria.

No. of Pages : 30 No. of Claims : 10

## CHAPTER 4 INFRASTRUCTURE AND LEARNING RESOURCES

### Physical Infrastructure

- The college boasts **8 classrooms** and **14 subject-specific laboratories**, supporting hands-on learning Laboratory Technology.
- Seminar and conference rooms are equipped for expert sessions, presentations, and collaborative dialogue.
- A **110-seat auditorium** with full audiovisual support hosts academic functions, cultural events, and community outreach activities.
- **Pharmaceutical chemistry lab 1/II/III:** Centrifuge, autoclave, incubator, platform shaker, microscopes, tissue culture instruments.
- **Pharmacognosy Lab:** Laminar hood, CO<sub>2</sub> incubator, binocular microscopes, phase contrast microscope.
- **Pharmaceutics Lab I/II:** Gel doc system, PCR thermal cycler, electrophoresis units.
- **Pharmaceutical analysis Lab:** Equipped with essential glassware and instruments; M.Sc. lab seats 40 students and supports synthesis and compound screening.
- **Instrument Lab:** Potentiometer, pH meter, colorimeter, conductivity meter.
- **Microbiology Labs:** Include laminar flows, autoclaves, dark field and phase contrast microscopes, COD apparatus, and incubators.
- **A.P.H.E Labs:** Fully equipped as per curriculum standards.
- **Computer Lab:** 20+ systems with internet access, used for bioinformatics and data analysis.

### Library and Learning Resources

- **Total Books:** 4,500+ titles across science, humanities, and competitive exam prep.
- **Journals & Periodicals:** Subscriptions to 15 national and international journals.

**Digital Access:** N-LIST membership for e-resources, including e-journals and e-books.

- **Reading Room:** Quiet space with seating for 50 students, open 6 days a week.

#### **IT Infrastructure and E-Learning Resources**

- ICT-enabled teaching in several classrooms enhances interactive learning.
- Labs support digital simulation, data analysis, and internet-enabled research.

#### **Maintenance and Upkeep of Infrastructure**

- Regular AMC and periodic equipment calibration is undertaken to ensure operational excellence.

- Cleanliness and hygiene are prioritized through routine housekeeping protocols.

#### **E-Governance Initiatives and Actions Taken**

- Internal academic documentation, admissions, attendance tracking, and timetable scheduling are digitized.
- Online platforms are used to facilitate student communication and internal coordination.

## CHAPTER 5 STUDENT SUPPORT AND ORIENTATION PROGRESSION

### Student Enrollment and Profile

- The college maintains inclusive admission practices aligned with government reservation policies.
- Annual enrollment has seen a steady rise due to the relevance and quality of pharmacy programs.
- Students from SC/ST/OBC and minority backgrounds are supported through mentorship and financial assistance.

### Student-Teacher Ratio

The Student-Teacher Ratio for the academic year 2024–25 at Bhagwan Mahavir College of Pharmacy is as follows:

- **Student-Teacher Ratio: 17:1**

This ratio reflects a balanced academic environment that enables personalized attention, effective mentoring, and collaborative learning across all departments.

### Student Performance and Learning Outcomes

- Significant improvement in conceptual understanding observed through practical assessments and project submissions.
- Frequent faculty-student meetings to discuss academic progress.
- Following initiatives of college have also directly impacted student knowledge, skills, and holistic development:

### Bridge Course

A bridge course in pharmacy serves as an introductory or upskilling program aimed at diploma holders, practicing pharmacists, or students transitioning into higher-level pharmacy education. Its main goal is to strengthen foundational knowledge and bridge learning gaps to ensure a smooth progression into advanced coursework or professional roles.

### **Student Support Services**

- The college promotes inclusive education through academic mentoring, career counseling, and financial assistance schemes where applicable.
- Students participate in NSS and co-curricular initiatives aimed at personal development and civic awareness.
- Faculty actively mentor students for academic guidance and emotional well-being.

### **Student Progression (Placements, Higher Studies)**

- A number of students pursue postgraduate and doctoral studies in reputed institutions across India.
- The Placement Cell supports career readiness through seminars, industrial visits, and mock interviews.



**57**

**47**

**82.46**

**Total Appeared  
Students**

**Pass Students**

**Pass %**

<b>0</b>	Number of students fail due to low attendance in all Courses.
<b>2</b>	Number of students fail due to UFM
<b>8</b>	Non-Submission of Exam Form

**Fail Statistics**

<b>Fail in Courses</b>	0	1	2	3	4	5	8	11
<b>Students</b>	47	1	2	2	1	1	1	2

		<b>Pass in Internal</b>		<b>Fail in Internal</b>		<b>Pass in External</b>		<b>Fail in External</b>	
<b>Total</b>	<b>Appeared</b>	<b>Theory</b>	<b>Practical</b>	<b>Theory</b>	<b>Practical</b>	<b>Theory</b>	<b>Practical</b>	<b>Theory</b>	<b>Practical</b>
627	627	332	275	10	10	305	272	37	13

<b>Sr.</b>	<b>Code</b>	<b>Course</b>	<b>Total</b>	<b>Appeared</b>	<b>Pass in Internal</b>			<b>Pass in External</b>			
					<b>Theory</b>	<b>Practical</b>	<b>Fully Pass</b>	<b>Theory</b>	<b>Practical</b>	<b>Fully Pass</b>	<b>Pass %</b>
1	204010120 1	Pharmacology – Theory	57	57	55	-	55	50	-	50	87.72
2	204010120 2	Community Pharmacy & Management – Theory	57	57	56	-	56	53	-	53	92.98
3	204010120 3	Biochemistry & Clinical Pathology – Theory	57	57	56	-	56	49	-	49	85.96
4	204010120 4	Pharmacotherapeutics – Theory	57	57	55	-	55	54	-	54	94.74
5	204010120 5	Hospital & Clinical Pharmacy – Theory	57	57	55	-	55	51	-	51	89.47
6	204010120 6	Pharmacy Law & Ethics - Theory	57	57	55	-	55	48	-	48	84.21
7	204010120 7	Pharmacology – Practical	57	57	-	55	55	-	54	54	94.74
8	204010120 8	Community Pharmacy & Management – Practical	57	57	-	55	55	-	54	54	94.74
9	204010120 9	Biochemistry & Clinical Pathology – Practical	57	57	-	55	55	-	54	54	94.74
10	204010121 0	Pharmacotherapeutics – Practical	57	57	-	55	55	-	55	55	96.49
11	204010121 1	Hospital & Clinical Pharmacy – Practical	57	57	-	55	55	-	55	55	96.49
<b>Total</b>			<b>627</b>	<b>627</b>	<b>332</b>	<b>-</b>	<b>607</b>	<b>305</b>	<b>272</b>	<b>577</b>	<b>92.03</b>

		<b>Pass in Internal</b>	<b>Pass in External</b>	
--	--	-------------------------	-------------------------	--



Institute	Total Students	Appeared	Theory	Practical	Fully Pass	Theory	Practical	Fully Pass	Pass %
BMCP	57	57	55	55	55	47	54	47	82.46
<b>Total</b>	<b>57</b>	<b>57</b>	<b>55</b>	<b>55</b>	<b>55</b>	<b>47</b>	<b>54</b>	<b>47</b>	<b>82.46</b>

			Pass in Internal			Pass in External				
Specialization	Total Students	Appeared	Theory	Practical	Fully Pass	Theory	Practical	Fully Pass	Pass %	
Pharmacy	57	57	55	55	55	47	54	47	82.46	
<b>Total</b>	<b>57</b>	<b>57</b>	<b>55</b>	<b>55</b>	<b>55</b>	<b>47</b>	<b>54</b>	<b>47</b>	<b>82.46</b>	

				Pass in Internal			Pass in External				
Institute	Specialization	Total Students	Appeared	Theory	Practical	Fully Pass	Theory	Practical	Fully Pass	Pass %	
BMCP	Pharmacy	57	57	55	55	55	47	54	47	82.46	
	<b>Total</b>	<b>57</b>	<b>57</b>	<b>55</b>	<b>55</b>	<b>55</b>	<b>47</b>	<b>54</b>	<b>47</b>	<b>82.46</b>	

Result Class	Count
First Class With Distinction	8
First Class	24
Second Class	15

Cumulative Result Class	Count
First Class With Distinction	6
First Class	23
Second Class	11
Pass Class	2



**65**

**60**

**92.31**

**Total Appeared  
Students**

**Pass Students**

**Pass %**

<b>0</b>	Number of students fail due to low attendance in all Courses.
<b>0</b>	Number of students fail due to UFM
<b>0</b>	Non-Submission of Exam Form

**Fail Statistics**

<b>Fail in Courses</b>	0	1
<b>Students</b>	60	5

		<b>Pass in Internal</b>		<b>Fail in Internal</b>		<b>Pass in External</b>		<b>Fail in External</b>	
<b>Total</b>	<b>Appeared</b>	<b>Theory</b>	<b>Practical</b>	<b>Theory</b>	<b>Practical</b>	<b>Theory</b>	<b>Practical</b>	<b>Theory</b>	<b>Practical</b>
325	325	260	65	0	0	255	65	5	0

				<b>Pass in Internal</b>			<b>Pass in External</b>				
<b>Sr.</b>	<b>Code</b>	<b>Course</b>	<b>Total</b>	<b>Appeared</b>	<b>Theory</b>	<b>Practical</b>	<b>Fully Pass</b>	<b>Theory</b>	<b>Practical</b>	<b>Fully Pass</b>	<b>Pass %</b>
1	104020180 1	Biostatistics and Research Methodology - Theory	65	65	65	-	65	65	-	65	100.00
2	104020180 2	Social and Preventive Pharmacy - Theory	65	65	65	-	65	64	-	64	98.46
3	104020180 4	Pharmaceutical Regulatory science - Theory	65	65	65	-	65	63	-	63	96.92
4	104020180 9	Cosmetic Science - Theory	65	65	65	-	65	63	-	63	96.92
5	104020181 3	Project Work - Practical	65	65	-	65	65	-	65	65	100.00
<b>Total</b>			<b>325</b>	<b>325</b>	<b>260</b>	<b>-</b>	<b>325</b>	<b>255</b>	<b>65</b>	<b>320</b>	<b>98.46</b>

				<b>Pass in Internal</b>			<b>Pass in External</b>				
<b>Institute</b>		<b>Total Students</b>	<b>Appeared</b>	<b>Theory</b>	<b>Practical</b>	<b>Fully Pass</b>	<b>Theory</b>	<b>Practical</b>	<b>Fully Pass</b>	<b>Pass %</b>	
BMCP		65	65	65	65	65	60	65	60	92.31	
<b>Total</b>		<b>65</b>	<b>65</b>	<b>65</b>	<b>65</b>	<b>65</b>	<b>60</b>	<b>65</b>	<b>60</b>	<b>92.31</b>	

				<b>Pass in Internal</b>			<b>Pass in External</b>				
<b>Specialization</b>		<b>Total Students</b>	<b>Appeared</b>	<b>Theory</b>	<b>Practical</b>	<b>Fully Pass</b>	<b>Theory</b>	<b>Practical</b>	<b>Fully Pass</b>	<b>Pass %</b>	
Pharmacy		65	65	65	65	65	60	65	60	92.31	
<b>Total</b>		<b>65</b>	<b>65</b>	<b>65</b>	<b>65</b>	<b>65</b>	<b>60</b>	<b>65</b>	<b>60</b>	<b>92.31</b>	



Institute	Specialization	Total Students	Appeared	Pass in Internal			Pass in External			
				Theory	Practical	Fully Pass	Theory	Practical	Fully Pass	Pass %
BMCP	Pharmacy	65	65	65	65	65	60	65	60	92.31
	<b>Total</b>	<b>65</b>	<b>65</b>	<b>65</b>	<b>65</b>	<b>65</b>	<b>60</b>	<b>65</b>	<b>60</b>	<b>92.31</b>

<b>Result Class</b>	<b>Count</b>
First Class With Distinction	8
First Class	29
Second Class	22
Pass Class	1

<b>Cumulative Result Class</b>	<b>Count</b>
First Class With Distinction	7
First Class	29
Second Class	15



**16**

**12**

**75.00**

**Total Appeared  
Students**

**Pass Students**

**Pass %**

<b>0</b>	Number of students fail due to low attendance in all Courses.
<b>0</b>	Number of students fail due to UFM
<b>0</b>	Non-Submission of Exam Form

**Fail Statistics**

<b>Fail in Courses</b>	0	1	3
<b>Students</b>	12	3	1

		<b>Pass in Internal</b>		<b>Fail in Internal</b>		<b>Pass in External</b>		<b>Fail in External</b>	
<b>Total</b>	<b>Appeared</b>	<b>Theory</b>	<b>Practical</b>	<b>Theory</b>	<b>Practical</b>	<b>Theory</b>	<b>Practical</b>	<b>Theory</b>	<b>Practical</b>
48	48	-	45	-	3	-	12	-	4

<b>Sr.</b>	<b>Code</b>	<b>Course</b>	<b>Total</b>	<b>Appeared</b>	<b>Pass in Internal</b>			<b>Pass in External</b>			
					<b>Theory</b>	<b>Practical</b>	<b>Fully Pass</b>	<b>Theory</b>	<b>Practical</b>	<b>Fully Pass</b>	<b>Pass %</b>
1	104030140 1	Journal Club	8	8	-	7	7	-	-	7	87.50
2	104030140 2	Mid Sem Review (Research Work)	8	8	-	7	7	-	-	7	87.50
3	104030140 3	Research Work Phase II	8	8	-	7	7	-	4	4	50.00
4	104030240 1	Journal Club	2	2	-	2	2	-	-	2	100.00
5	104030240 2	Mid Sem Review (Research Work)	2	2	-	2	2	-	-	2	100.00
6	104030240 3	Research Work Phase II	2	2	-	2	2	-	2	2	100.00
7	104030340 1	Journal Club	6	6	-	6	6	-	-	6	100.00
8	104030340 2	Mid Sem Review (Research Work)	6	6	-	6	6	-	-	6	100.00
9	104030340 3	Research Work Phase II	6	6	-	6	6	-	6	6	100.00
<b>Total</b>			<b>48</b>	<b>48</b>	-	<b>45</b>	<b>45</b>	<b>0</b>	<b>12</b>	<b>42</b>	<b>87.50</b>

			<b>Pass in Internal</b>			<b>Pass in External</b>				
<b>Institute</b>		<b>Total Students</b>	<b>Appeared</b>	<b>Theory</b>	<b>Practical</b>	<b>Fully Pass</b>	<b>Theory</b>	<b>Practical</b>	<b>Fully Pass</b>	<b>Pass %</b>
BMCP		16	16	-	15	15	-	12	12	75.00
<b>Total</b>	<b>16</b>	<b>16</b>	<b>-</b>	<b>15</b>	<b>15</b>	<b>15</b>	<b>-</b>	<b>12</b>	<b>12</b>	<b>75.00</b>



			Pass in Internal			Pass in External			
Specialization	Total Students	Appeared	Theory	Practical	Fully Pass	Theory	Practical	Fully Pass	Pass %
Pharmaceutics	8	8	-	7	7	8	4	4	50.00
PQA	2	2	-	2	2	2	2	2	100.00
RA	6	6	-	6	6	6	6	6	100.00
<b>Total</b>	<b>16</b>	<b>16</b>	-	<b>15</b>	<b>15</b>	<b>16</b>	<b>12</b>	<b>12</b>	<b>75.00</b>

				Pass in Internal			Pass in External			
Institute	Specialization	Total Students	Appeared	Theory	Practical	Fully Pass	Theory	Practical	Fully Pass	Pass %
BMCP	Pharmaceutics	8	8	-	7	7	8	4	4	50.00
BMCP	PQA	2	2	-	2	2	2	2	2	100.00
BMCP	RA	6	6	-	6	6	6	6	6	100.00
<b>Total</b>		<b>16</b>	<b>16</b>	-	<b>15</b>	<b>15</b>	<b>16</b>	<b>12</b>	<b>12</b>	<b>75.00</b>

Result Class	Count
First Class With Distinction	8
First Class	4

Cumulative Result Class	Count
First Class With Distinction	7
First Class	5



BHAGWAN  
MAHAVIR  
UNIVERSITY



## Bhagwan Mahavir College of Pharmacy

*Heartly Congratulate*

**GPAT & NIPER 2025**



**KOTHIYA SUJAL**

GPAT AIR-2031  
NIPER Rank- 1395



**AKSHAY KUMAR**

GPAT AIR-3964  
NIPER Rank- 2088

© [bhagwanmahaviruniversity](#) | [Bhagwan Mahavir University](#) | [bmusurat](#)

[www.bmusurat.ac.in](http://www.bmusurat.ac.in) | 7575807374/7575807375 | Bhagwan Mahavir University, VIP Road, Surat, 395007



## BHAGWAN MAHAVIR UNIVERSITY

### BHAGWAN MAHAVIR COLLEGE OF PHARMACY



Effective Date:-02/09/2024

D.Pharm (Year 1)

DAY	10:00 To 11:00	11:00 To 12:00	12:00 To 01:00
MON	Pharmaceutics GD	Pharmaceutical Chemistry RV	Pharmacology KD
TUE	Pharmaceutical Chemistry BG	Pharmacology SS	Pharmaceutics YD
WED	Pharmaceutical Quality Assurance ZD	Pharmaceutics RD	Pharmaceutics FJ
THU	Pharmaceutical Quality Assurance PD	Pharmaceutics VC	Pharmaceutics SK
FRI	Pharmacology DM	Pharmaceutics SG	Pharmacognosy RK

**Academic In Charge**  
Mrs. Prakruti Desai

**Director**  
Dr. Vineet C. Jain



## BHAGWAN MAHAVIR UNIVERSITY

### BHAGWAN MAHAVIR COLLEGE OF PHARMACY



Effective Date:-02/09/2024

B.Pharm (Semester 1)

DAY	10:00 To 11:00	11:00 To 12:00	12:00 To 01:00
MON	Pharmacology SS	Pharmaceutics SG	Pharmacology DM
TUE	Pharmaceutics RD	Pharmaceutics VC	Pharmaceutics FJ
WED	Pharmaceutical Chemistry BG	Pharmaceutics GD	Pharmaceutics SK
THU	Pharmaceutical Quality Assurance ZD	Pharmaceutical Chemistry RV	Pharmaceutics YD
FRI	Pharmacognosy RK	Pharmacology KD	Pharmaceutical Quality Assurance PD

**Academic In Charge**  
Mrs. Prakruti Desai

**Director**  
Dr. Vineet C. Jain



## BHAGWAN MAHAVIR UNIVERSITY

### BHAGWAN MAHAVIR COLLEGE OF PHARMACY, SURAT



#### 7<sup>th</sup> SEM B. PHARM Winter 2024

#### Practice School Selection List

**SUBJECT: Practice School****SUBJECT CODE: 1040201708**

Sr	EnrollmentNo	StudentLCName	Report Title
1	2104020101001	AKSHAY KUMAR	Detailed literature review on any technical topic
2	2104020101002	PANCHAM PAUL SHARMA	Training in Drug store/ CHC/ PHC.
3	2104020101003	PARINA SHARMA	Training in a R&D organization/ CRO/ Manufacturing organization/ QA & QC Laboratory/ Public testing laboratory/ Drug regulatory body.
4	2104020101004	BADATYA SONAM SIMANCHALA	Training in Drug store/ CHC/ PHC.
5	2104020101005	BERA SUKANYA SARAL	Training in a R&D organization/ CRO/ Manufacturing organization/ QA & QC Laboratory/ Public testing laboratory/ Drug regulatory body.
6	2104020101006	BHADIGAR MANAVSINH DILIPSINH	Training in a R&D organization/ CRO/ Manufacturing organization/ QA & QC Laboratory/ Public testing laboratory/ Drug regulatory body.
7	2104020101007	BHARVAD BHAVESHKUMAR RAGHUBHAI	Training in a R&D organization/ CRO/ Manufacturing organization/ QA & QC Laboratory/ Public testing laboratory/ Drug regulatory body.
8	2104020101008	BHATT NIRAJKUMAR ANILBHAI	Training in a R&D organization/ CRO/ Manufacturing organization/ QA & QC Laboratory/ Public testing laboratory/ Drug regulatory body.
9	2104020101009	CHAUDHARY GANESH BADARAM	Training in Drug store/ CHC/ PHC.
10	2104020101011	Devadhra Dhruvrajsinh Rajendrasinh	Training in a R&D organization/ CRO/ Manufacturing organization/ QA & QC Laboratory/ Public testing laboratory/ Drug regulatory body.
11	2104020101012	Drimiben Pareshbhai Dholiya	Detailed literature review on any technical topic
12	2104020101013	DHOLIYA MEET GANESHBHAI	Training in Drug store/ CHC/ PHC.
13	2104020101014	DIYORA MANAN RAMESHBHAI	Training in Drug store/ CHC/ PHC.

14	2104020101015	DOBARIYA SHIVAM MILANBHAI	Training in a R&D organization/ CRO/ Manufacturing organization/ QA & QC Laboratory/ Public testing laboratory/ Drug regulatory body.
15	2104020101016	DUBEY SATYAM RAJESH	Training in Drug store/ CHC/ PHC.
16	2104020101018	GIRASE SUNIL RAMSING	Training in a R&D organization/ CRO/ Manufacturing organization/ QA & QC Laboratory/ Public testing laboratory/ Drug regulatory body.
17	2104020101019	GUJAR JANHVI PRABHAKAR	Training in a R&D organization/ CRO/ Manufacturing organization/ QA & QC Laboratory/ Public testing laboratory/ Drug regulatory body.
18	2104020101020	GUPTA RAJESHKUMAR HARISH	Training in Drug store/ CHC/ PHC.
19	2104020101021	Gupta Sumit Rakeshkumar	Training in Drug store/ CHC/ PHC.
20	2104020101022	Archi Jain	Training in a R&D organization/ CRO/ Manufacturing organization/ QA & QC Laboratory/ Public testing laboratory/ Drug regulatory body.
21	2104020101023	JOSHI NINAD MEHULKUMAR	Detailed literature review on any technical topic
22	2104020101024	KALAL DASHARATH GOKULCHAND	Training in Drug store/ CHC/ PHC.
23	2104020101025	KALAL PRASHANT PRAKASH	Training in Drug store/ CHC/ PHC.
24	2104020101026	Prarthna Kalwani	Training in Drug store/ CHC/ PHC.
25	2104020101027	KHOKHANI KESHVI PRAVINBHAI	Detailed literature review on any technical topic
26	2104020101028	KOTHIYA SUJAL JAYSUKHBHAI	Training in Drug store/ CHC/ PHC.
27	2104020101029	Mahapatra Sruti Kumudachandra	Training in Drug store/ CHC/ PHC.
28	2104020101030	Makatrapara Meet Ishvarbhai	Training in Drug store/ CHC/ PHC.
29	2104020101032	MISHRA SAURABH DILIP	Training in Drug store/ CHC/ PHC.
30	2104020101033	Mistry Salikabnu Mohammad Shoeb	Detailed literature review on any technical topic
31	2104020101034	DIVA MITAL	Training in a R&D organization/ CRO/ Manufacturing organization/ QA & QC Laboratory/ Public testing laboratory/ Drug regulatory body.
32	2104020101035	PAL ASHISH DINANATH	Training in Drug store/ CHC/ PHC.
33	2104020101036	Pandey Shubham Gyanshankar	Training in a R&D organization/ CRO/ Manufacturing organization/ QA & QC Laboratory/ Public testing laboratory/ Drug regulatory body.
34	2104020101037	Pandya Maharshi Jignesh	Detailed literature review on any technical topic
35	2104020101038	PARMAR KAMAL RAJESHKUMAR	Training in Drug store/ CHC/ PHC.

36	2104020101039	Kishan Paswan	Training in Drug store/ CHC/ PHC.
37	2104020101040	PATEL AYUSHKUMAR HITESHKUMAR	Training in Drug store/ CHC/ PHC.
38	2104020101041	PATEL DHARA MAHESHKUMAR	Training in Drug store/ CHC/ PHC.
39	2104020101042	PATEL EKLAVYA PARESHKUMAR	Training in Drug store/ CHC/ PHC.
40	2104020101043	PATEL GARGIBEN ALPESHBHAI	Training in Drug store/ CHC/ PHC.
41	2104020101044	PATEL HARSHKUMAR KIRITBHAI	Training in Drug store/ CHC/ PHC.
42	2104020101045	PATEL JISHWA VIJAYKUMAR	Training in Drug store/ CHC/ PHC.
43	2104020101047	PATEL REVA KEYURKUMAR	Detailed literature review on any technical topic
44	2104020101048	Patel Shruti Subhashchandra	Training in Drug store/ CHC/ PHC.
45	2104020101049	PATIL AKSHAY SANJAY	Training in Drug store/ CHC/ PHC.
46	2104020101050	PATIL DIGAMBAR VIJAY	Training in a R&D organization/ CRO/ Manufacturing organization/ QA & QC Laboratory/ Public testing laboratory/ Drug regulatory body.
47	2104020101051	Patil Swetaben Gajanan	Training in Drug store/ CHC/ PHC.
48	2104020101052	PATIL YASH NANDKISHOR	Training in Drug store/ CHC/ PHC.
49	2104020101053	PAWAR YOGESH KESHAV PRASAD	Training in Drug store/ CHC/ PHC.
50	2104020101054	PUROHIT SANJAY BHAWARLAL	Training in Drug store/ CHC/ PHC.
51	2104020101055	RAI PRASHANT AJAY	Training in a R&D organization/ CRO/ Manufacturing organization/ QA & QC Laboratory/ Public testing laboratory/ Drug regulatory body.
52	2104020101056	RAI SARITA SHREE PRAKASH	Training in a R&D organization/ CRO/ Manufacturing organization/ QA & QC Laboratory/ Public testing laboratory/ Drug regulatory body.
53	2104020101057	RAJPUROHIT TWINKLE NARPATSINGH	Detailed literature review on any technical topic
54	2104020101058	Aditya Rajput	Training in a R&D organization/ CRO/ Manufacturing organization/ QA & QC Laboratory/ Public testing laboratory/ Drug regulatory body.
55	2104020101059	Kundan Kumar	Training in a R&D organization/ CRO/ Manufacturing organization/ QA & QC Laboratory/ Public testing laboratory/ Drug regulatory body.
56	2104020101060	Sharma Abhay KishanLal	Training in Drug store/ CHC/ PHC.
57	2104020101061	SINGH HIMANSHU LOKESH	Training in Drug store/ CHC/ PHC.
58	2104020101062	THUMMAR YASH NILESHBHAI	Training in Drug store/ CHC/ PHC.
59	2104020101063	Alok Tiwari	Training in Drug store/ CHC/ PHC.

## CHAPTER 6 GOVERNANCE

### Institutional Development Plan

#### 1.1 About the Bhagwan Mahavir College of Pharmacy

##### 1.1.1 Preamble

Strategic planning is an important approach to educational planning in modern world. Strategic planning identifies the future direction of an institution and maps out the way, the direction will be reached. A strategic plan in the education sector provides guidance on how to run an education system which is constantly evolving keeping in mind the national development perspective. Strategic planning ensures better use of financial, physical and human resources and establishes an organized system of management that enables the management to lead the organization strategically. It enables the organization to identify its strategic issues and helps the administrators to establish priorities and how to deal with them. Strategic planning enables the management to identify the system's strengths and weaknesses. It enables the organization to build teamwork and expertise from within and encourages proactive management. It provides a framework for developing and implementing strategies through-out the organization. It leads in better communication between the organization and the community. It can assist in the effective management and prioritization of limited resources, encourage institutional unity around agreed strategies and give a clearly defined path of action. It enhances the Institutional ability to respond thoughtfully and quickly to new challenges. It strengthens the Institutional ability to choose priorities based on self-evaluation and understanding. Strategic planning is a process which helps the leadership team to evaluate the past, understand the present and predict the future. Strategic planning offers an opportunity to identify how it will commit its resources over the long term in order to accomplish its mission.

##### 1.1.2 About the Bhagwan Mahavir College of Pharmacy

Bhagwan Mahavir College of Pharmacy was established in the year 2007 with the aim of developing competent professionals in the field of pharmaceutical sciences. Additionally, in 2011 started postgraduate program (M. Pharm) in Pharmaceutics, Quality assurance and Regulatory affairs in 2011, 2012 and 2013 respectively. The Institute has also initiated a Diploma in Pharmacy- 2018.

##### 1.1.3 Institute's Enduring Commitments

###### 1.1.3.1 Vision

Striving to excel in pharmaceutical education, research and innovation to develop outstanding professionals catering to the healthcare needs of the human kind.

#### **1.1.3.2 Mission**

The institute aims to develop employable students, researchers and entrepreneurs by inculcating critical thinking, problem solving ability, ethical values and leadership skills. Institute provides vibrant environment for continuous learning by strengthening industrial collaboration for developing competent professionals.

#### **1.1.3.3 Core Values**

- Student Centricity
  - Emphasize on holistic development of the students through extra and co-curricular activities
  - Pursue student-centered teaching-learning process
  - Use of modern tools for online teaching and assessment
  - Focus on employability and entrepreneurship
  - Nurture lifelong learning skills
  - Use of ICT tools and technology
- Contribution to the Society
  - Align curricula and pedagogy to cater to societal needs and demands
  - Conduct applied research to address organizational and societal problems
- Quest for Academic Excellence
  - Develop and retain outstanding employees
  - Use inter-disciplinary approach in the teaching-learning process and research
  - Think creatively and do relevant research
  - Establish strong linkages with the industry, academia, research organizations, alumni and civil society

#### **1.1.3.4 Aspiration**

Institute is committed to provide Quality Education & Research Environment and aspire to achieve All India Rank in Top 10 Pharmacy Institutes of India as per NIRF Ranking System.

### **1.2 Environmental Assessment and Analysis**

#### **1.2.1 International Scenario**

Past few decades have witnessed the shift in pharmacy profession from dispensing and manufacturing to patient care which has also reflected in the changes in the curricula of pharmacy courses in various developed countries. This also now spreading to various developing countries where the education is now more clinical oriented.

Qualitative data from the 2013 FIPEd Global Education Report indicates that there is a global shortage of pharmacist academics and of practice-based supervisors/preceptors.<sup>1</sup> In developing countries, there is an increasing trend towards adopting clinical based education, which is characterized by having a considerable number of clinical preceptors. In parts of Middle East, Africa, and countries like Bangladesh, India, Pakistan and Thailand, they are changing their entry-level qualification to B Pharm. Yet, many of these regions and nations do not have sufficiently trained and available clinical pharmacists who are competent to act as preceptors.

In developed countries like USA, the pharmacist education and practice are closely resembling with the physicians of US. The curriculum comprises practice-based education as per the standards given by "Accreditation Council for Pharmacy Education" which provides the standards of curriculum. The education of pharmacy involves training and understanding of various aspects of pharmacology, pharmacotherapy, medication safety, pharmacokinetics, toxicology, biostatistics, medicinal chemistry, ethics, law, business management etc. Additionally, pharmacists are trained in clinical aspects and patient care by providing rotations in hospitals.

As the pharmacy curriculum evolved to become more clinical, some countries have employed more clinical academics who may be working in practice but spending some time teaching and some time researching. However, in some countries including many developing countries, all academicians have been required to have PhD degree and be active in both research and teaching. There is a dilemma though, exemplified in the current UK situation, as the curriculum has become more clinical and more integrated, many leading universities have appointed academics to teaching-only contracts and fewer people are coming into academia via more traditional routes; leading to there being too few people to become full professors and associate professors in clinical pharmacy, social pharmacy and pharmacy practice.

### **1.2.2 National Scenario**

Pharmaceutical education is a dynamic professional education for the development of the country, individual and with a view to protect public health. The beginning of pharmaceutical education in India was initiated at the Banaras Hindu University in 1932 by Professor M. L. Schroff. From there, it has been a long journey of almost 85 years for this profession in this country. The enactment of the Pharmacy Act 1948 established the statutory regulation of pharmacy institutions in India. The Pharmacy Council of India (PCI) was established in 1949 under "Ministry of Health" to establish the minimum qualification required to be a pharmacist. The PCI is actively working towards strengthening and upgrading the curriculum to produce a

competent workforce that is able to meet the growing demands of the industry & community. Around 1200 pharmacy colleges are offering Pharmacy education across the India.

Pharmacy education in India is taught as an industry- and product-oriented profession with a focus on the basic sciences. A variety of pharmacy degree programs are offered such as diploma in pharmacy (D Pharm), Bachelor of Pharmacy (B Pharm), Master of Pharmacy (M Pharm), Doctor of Pharmacy (Pharm D), and Doctor of Philosophy in Pharmacy (PhD). The entry point for D Pharm, B Pharm and Pharm D programs is 12 years of formal education in the sciences. The B Pharm involves 4 years of study in colleges affiliated with universities or in a university department. Students holding a B Pharm degree can earn an M Pharm degree in 2 years, of which the second year is devoted to research leading to a dissertation in any pharmaceutical discipline, for instance, pharmaceutics, pharmacology, pharmaceutical chemistry, pharmacognosy, regulatory affairs, quality assurance etc. The vast majority of pharmacists with a B Pharm degree normally seek positions (such as production, quality control, and marketing) with the thriving pharmaceutical industries in which services are well defined and industrial pharmacists are well remunerated. They also have the opportunity to be appointed to drug regulatory agencies or quality control laboratories by the state or central government. M Pharm degree holders in any discipline including an M Pharm in clinical pharmacy may join industries in any of the above positions. Many M Pharm graduates entering the pharmaceutical industry choose positions in areas such as research, formulation development and clinical trials. Additionally, they have the opportunity to work in the academic area, typically as researchers or faculty members. Pharmacists with a Ph.D. mainly work in academia and in the research & development section of pharmaceutical industries.

There are over a million pharmacists in India with around 55% of them in the community, 20% in hospitals, 10 % in industry & regulatory and 2 % in academia in India. To meet the varying needs of the profession at different levels, the following pharmacy programs are offered in India today: Diploma in Pharmacy, Bachelor of Pharmacy, Master of Pharmacy, Practice based Doctor of Pharmacy (Pharm. D.), and Doctor of Philosophy in Pharmacy (Ph.D.). Currently D. Pharm. is the minimum qualification for becoming a pharmacist in government service all over India, except in Punjab. In Punjab, the minimum educational qualification for pharmacist post is Bachelor of

Pharmacy. In addition to Punjab, the Directorate of Medical Education & Research under the health ministry of Haryana has also mandated B. Pharm as the basic qualification for pharmacist posts in the medical education institutions under the directorate.

If the qualification is raised from diploma to degree, it will help the pharmacists to do his duties more efficiently and in a more commendable manner because he will have better information regarding overdoses, incompatibility and contra-indications than a diploma holder generally has.

As professionals, with in-depth knowledge of drug compositions and formulations, pharmacists are a critical cog in the healthcare wheel of any country. But, the pharmacy education in India has never been part of paramedical teams and hence, its development has been quite unique and quite different from rest of the world. We rarely see pharmacists interact with patients effectively. Their role is limited to storage and dispensing of medication in clinical settings and formulation and compounding in industrial settings. The role of pharmacists in society has never been given its due place and did not grow due to comparatively less paying jobs in industry. Pharmaceutical science is a professional subject like medicine, engineering, agriculture and veterinary sciences but it is not included in the curriculum of civil services examination (Union Public Service Commission (UPSC) and State Public Service Commission (SPSC). Also, we must train pharmacists towards their clinical and patient-centric responsibilities as well to raise the standard of Pharmacy profession in India.

In order to stand up to the global standards, a comprehensive and more focused revamp is necessary in India.

### **1.2.3 State Scenario**

Gujarat is a State where the higher education system has played a major role in inspiring the minds of the youth both during the days of freedom movement and since independence. The higher education system of Gujarat has created national public figures in the social and educational arena. Gujarat has participated actively in the race to make the task possible by setting its goals on educating each and every citizen of the state and also to strengthen the education status and situation of the state.

The traditional concept of Gujarat is, it's bent towards entrepreneurship, which is considered to be an inborn talent among the Gujarati community, and not for the ability to develop professionally trained human resources. This image is however changed soon as the Government of Gujarat has embarked on a focused mission to make Gujarat an Education Hub for the country. The efforts are directed not only towards attracting students from other states within the country but also from various other countries. Gujarat state at present has a total number of 23 state universities, 3 central government universities, 2 Private Aided universities and 32 Private universities. Apart from this, Gujarat boasts of 6 institutes of national importance, including IIM A, IIT, SVNIT, NID, PRL and EDI.

The State of Gujarat has noticed a great change in the industrial sector and market-oriented economy in the last two decades. The State Govt. has developed the special industrial policy to cope up the changes and demand of the sector. All such industrial developments have created a demand for new types of skills, which the education sector is expected to fulfil. Accordingly, new pharmacy colleges have emerged. Today, the state has a total number of 141 government and selffinance colleges offering B. Pharm program and 82 government and self-finance colleges offering M. Pharm program in different specializations such as Pharmacology, Pharmacognosy, Pharmaceutics, Pharmaceutical Technology, Pharmaceutical Quality Assurance, Pharmaceutical Chemistry, Drug Regulatory Affairs etc.

#### **1.2.4 Educational Scenario**

Since the times of Nalanda and Takshashila or even earlier, the history of higher education in India recognised the holistic aspect of all human knowledge and enquiry as fundamentally connected. The holistic nature of knowledge as imparted through a broad and interwoven education is an important factor for the preparation of students for life, work and to be an effective member of society. In this context, the vision of India's new education system has accordingly been crafted to ensure that it touches the life of each and every citizen, consistent with their ability to contribute to many growing developmental imperatives of this country on the one hand, and towards creating a just and equitable society on the other. When speaking of higher education, the government is planning to bring in a single regulator - National Higher Education Regulatory Authority (NHERA). With this initiative, all higher educational institutions will become multi-disciplinary and will be able to facilitate high-quality teaching, research, and service to the learners. It will significantly simplify the Indian education sector, which currently comprises over 58,000 higher education institutions, including 1100 universities.

In Masters, more focus would now be given on research, as currently in Indian universities, the courses lack research-oriented curriculum. Doing so, will nurture the research skills of students. In fact, students will also be able to opt for an integrated five-year bachelor's/master's program apart from the one-year master's program. This will be beneficial for those who have already completed a four-year program.

According to National Education Policy 2020, a new vision and architecture for higher education has been envisaged in the Policy with large, well-resourced, vibrant multidisciplinary institutions. The current 1000 universities and 58,000 colleges will be consolidated into about 15,000 excellent institutions.

In higher education, a restructuring of higher education institutions with three types are proposed-

- Type 1: Research Universities - equal focus on research and teaching
- Type 2: Teaching Universities - primary focus on teaching with significant focus on research

● Type 3: Autonomous degree-granting colleges- almost exclusive focus on teaching.

Also, many new initiatives in higher education are proposed like

- Mission Nalanda and Mission Takshashila launched to catalyze new architecture
- All higher education institutions to become multidisciplinary institutions, with teaching programmes across disciplines and fields
- 3- 4-year undergraduate degree with multiple exit options
- Flexible Master degree programmes
- Choice Based Credit System to be revised and improved to allow for flexibility and innovation
- Open and Distance Education-ODL
- National Mission on Education Through ICT
- Inter-University Centre for International Education setup within selected Indian universities
- Faculty recruitment and development, career progression, compensation management to be part of every Institutional Development Plan
- All higher education institutions to become autonomous self-governing entities
- National Higher Education Regulatory Authority - only regulator for all higher education including professional education
- Accreditation as basis for regulation - National Assessment and Accreditation Council - oversee and develop an ecosystem of Accreditation Institutions
- Professional education to be the integral part of the higher education system
- The National Research Foundation will significantly expand research and innovation in the country. Annual grant of Rs. 20,000 crores - increased progressively over the next decade.

The Foundation will have four major divisions to start with - Sciences, Technology, Social Sciences, Arts and Humanities

- National Repository on Educational Data

Prime Minister Mr. Narendra Modi, on 17<sup>th</sup> of October, 2017, announced about World-Class Universities (WCU) to give Rs. 10,000 crores to 20 varsities across India. Hence, it is recommended that the WCU should be established.

As per the NKC recommendations, there is a need to establish 1500 more universities to provide higher educational opportunities to all.

Through schemes, the government will provide nearly 75% financial assistance on the total cost of the academic course, which will be approximately \$4000 worth of annual scholarship. The government, in order to promote India in foreign nations, has also raised the scholarship amount to INR 25,000 and INR 3,000 a month for boys and girls respectively, under the 'Prime Minister Scholarship Scheme'.

Fortunately, in recognising the need for an overhaul in the education system and building a talent pool, the government is also introducing measures to meet this goal. For instance, the Life Sciences Sector Skill Development Council (LSSSDC), has been established by and for the life sciences sector in India, to address the skill gaps across functional areas and levels in the sector, by helping to generate a sustained stream of high-quality skilled individuals.

### **1.3 Competitive Analysis: Strategic Grouping and Benchmarking**

#### **1.3.1 Strategic Grouping**

Today there are more than 455 private universities and more than 4900 pharmacy institutions disseminating pharmaceutical education in India (<http://www.pci.nic.in/>). In Gujarat itself, there are more than 60 private universities and 65 pharmacy institutes. In the country, there are many government and private pharmacy institutes like Jamia Hamdard - New Delhi, Institute of Chemical Technology - Mumbai, Panjab University - Chandigarh, BITS – Pilani & Ranchi, Manipal College of Pharmaceutical Sciences - Udupi, DIPSAR - New Delhi, SRM Institute of Science and Technology - Tamil Nadu, JSS College of Pharmacy – Ooty & Mysore have come up in a big way offering technical programmes in pharmacy education.

With an insight to promote excellence in pharmaceutical education and to groom young students to meet the diversified challenges in the area of pharmaceutical sciences, Bhagwan Mahavir College of Pharmacy was established in 2007.

In comparison to various equivalent self-financed institutions (SFI) in Gujarat, Bhagwan Mahavir College of Pharmacy, Bhagwan Mahavir university at the top position. However, the Government funded Institutes like L M College of Pharmacy - Ahmedabad, Department of Pharmacy, M S University - Baroda are major competitors for pharmacy programmes because of either nominal fee, establishment before fifty years or high-end research facilities. They also have influential and experienced faculty members, TIFAC-CORE for industry-oriented research, Atal Incubation Centre-Atal Innovation Mission (AIM), NITI Aayog, Focused PG Centre etc.



Figure 1 Steps for competitor analysis

### 1.3.2 Components of Benchmarking Value Cycle

'Benchmarking is a process to determine who else does a particular activity the best and emulating what they do to improve performance.' With detailed description, it is defined as 'the continuous action of systemic comparing a process, a product or a service with a similar activity, known as being the best in that field, with the purpose of establishing ambitious but real improvement objectives and actions so as to become and keep the number one position among the best within a reasonable period of time.'



**Figure 2 Components of benchmarking value cycle**

Benchmarking with appropriate peers, at a state, national and international level enables the institute to compare and evaluate its performance, monitor academic and administrative standards, compare good practices carried out by reputed institutions. This, in turn, helps an institution to make quality improvements to become and keep the number one position among the best within a reasonable period.

While developing the Strategic Plan, different types of Institutes were studied, e.g. (i) Government Pharmacy Institutes, (ii) Self-Financed Pharmacy Institutes, and (iii) Foreign Universities. After studying some of the leading Institutes in these categories, it was decided to benchmark the following Institutes:

### **1.3.2.1 Government Pharmacy Institutions**

#### *1.3.2.1.1 Institute of Chemical Technology – Mumbai*

Benchmarking: Emeritus Professors, Adjunct Professors, Publications, Patents, Industry and government projects, Alumni group, High end research facilities

### **1.3.2.2 Self-Financed Pharmacy Institutions**

#### *1.3.2.2.1 Manipal College of Pharmaceutical Sciences*

Benchmarking: QS world ranking, international collaborations, Faculty strength, international students, linkages with pharmaceutical industries, student empowerment

#### *1.3.2.2.2 Birla Institute of Technology & Science (BITS) - Pilani and Ranchi*

Benchmarking: Modular and Flexible Curriculum, Elective Courses and Research based consultancy.

We would like to benchmark Manipal University, which is also a private university like us, offering graduate, post-graduate and doctoral level programmes. There are several reasons for benchmarking it which are as follows:

- **Faculty strength:** There are more number of faculty in each department, thereby the overall teaching workload and administrative duties are reduced. There are several experienced and senior professors who are dedicated to research.
- **Full time PhD student strength:** Number of PhD students are also high, which also aids into overall quality of research. They are actively involved in research and publish papers in good impact factor journals and have filed many patents.
- **Academic programmes:** They have three different types of PG Programmes; So, PG student strength is comparatively much more and due to that their placement data are also better in terms of Median salary of placed graduates.
- **Collaboration and linkages:** They have collaborations and linkages with many industries and they carry out industry based projects, consultancy and sample testing work.
- **Budget allocation:** A large amount of the budget is allocated for research every year, which enables the faculty to carry out good quality projects and dissertation work.
- **High end laboratories:** A well-equipped laboratories are their major strength and they update and purchase newer instruments every year from the grants as well as from institutional budgets.
- **Early establishment:** The Institute was established fifty years before and so get the advantages of the same.

### ***1.3.2.3 Foreign University***

#### ***1.3.2.3.1 School of Pharmacy, University of Queensland***

Benchmarking - QS Ranking of 25<sup>th</sup> as per subject and QS Global World Ranking of 47<sup>th</sup> as University, Teaching and research facilities, Interactive dispensing and counselling spaces, high end research laboratories, Innovative private and group study spaces.

In view with the above benchmarking for different activities, we would like to position ourselves amongst the top ten pharmacy institutions of the country imparting the best of the education and professional skills to the students within a span of ten years. We intend to grow at such a level in the future that we can benchmark the international institutions and compete with them and at the same time all the current Indian institutes take our institute for benchmarking. We would like to position ourselves to a level wherein we can attract students not only from India but also from other countries.

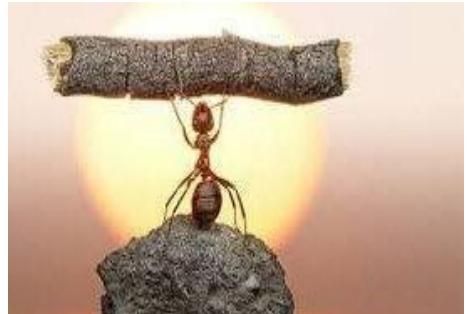
#### **1.4 SWOC Analysis**

SWOT analysis is commonly used for evaluating Strengths, Weaknesses, Opportunities and Threats. Being an academic institute, we have considered threat as a challenge. SWOC analysis is designed to check the strategic position of our institute in its fields of education and operation, and because of its methodological simplicity.

SWOC analysis is divided into two parts: the internal environment where strengths and weaknesses are identified, and the analysis of the external environment, where opportunities and challenges are determined (as shown in Figure).

##### **1.4.1 Strengths**

- Enthusiastic, dedicated and qualified faculty members with diversified skills, innovative/interdisciplinary research and high impact research publications and granted patents
- Major research projects granted by in-house and external agencies
- Good infrastructural (ICT, Wi-Fi enabled) and learning resources facilities
- Well defined and transparent management, administrative and institutional policies
- Rigorous teaching, learning and evaluation methodologies
- Continuous staff development through deputation and training by national and international experts
- Strong student and Alumni support services for overall progress and development
- Vigorous/Dynamic feedback system from all the stakeholder and students.



##### **1.4.2 Weaknesses**

- Lack of high-end instrument facilities
- Lack of functional international and

- Fluctuation in the number of admissions of PG students
- Limited availability of research time

indus



#### 1.4.3 Opportunities

- MOUs and research linkages
- Consultancies from Pharmaceutical Industries
- Expansion of Research facilities
- Rigorous Alumni involvement
- International ranking
- E-education
- Interdisciplinary projects with other institutes

#### 1.4.4 Challenges

- Collaborative Research grants
- Patents
- Strong industrial network for more consultancies



### 1.5 Strategic Goals

A strategic plan is the organization's roadmap. So, the ability to adequately determine the position of an organization in its external environment, i.e. in terms of other entities in the sector, is essential for strategic decision making. It helps entities integrate their resources and activities and determines the success and sustainability.

### 1.6 Integrated Themes

Integrated themes can be perceived as a strategic approach to achieve synergy through unification of developmental goals across varied departmental groups, processes, and activities that the institute seeks to accomplish.

Following are the integrated themes which delineate the strategic planning

- Dynamic and democratically conceived curriculum with defined competencies to ensure that our students have the skills needed by emerging pharmacists in the twenty-first century.
- State-of-the-art facility with cutting edge tools and sophisticated instrument Laboratory to
- fuel young researcher's innovations and collaboration with other research supporting bodies.

- Healthy Faculty Student Ratio
- Multi-pronged approach to develop industry ready students
- Assembling and Enriching library collections
- Engendering inclusivity
- Ranking and Accreditation (National as well as International)
- Be a community of highly accomplished and well supported academic and professional staff
- Achieving new milestones in terms of publications
- Boosting the employment prospects
- A top-tier and an internationally recognized research institute
- Synergize the partnership with local industry, government and other research organizations
- Fostering a vibrant, creative and positive environment
- Embedding social-emotional learning to support student's holistic growth

## 1.7 Strategic Goals, Objectives, Metrics & Implementation

### 1.7.1 Goal-1: To be top 10 Pharmacy Institute in the country

#### 1.7.1.1 *Strategy-1*

Recruitment of eminent persons across globe to introduce new programs as well as to enhance quality of teaching and research

To identify renowned academicians, researchers, industry personals, etc. from various parts of world and to recruit them. To provide individual laboratory space for faculty members, flexi hours, exclusive teaching and researching work culture and to provide various incentives to performers.

To identify Foreign Professors for Short tenure teaching assignment every year as visiting faculty.

To identify senior researchers from industries and recruit them as Professor emeritus/Adjunct Professor.

To improve Student Faculty Ration from 1:20 to 1:15 by recruiting full time faculty members.

To improve quality of teaching and research, Cadre ratio will be improved and will achieve as 1:2:4 as Professor: Associate Professor: Assistant Professor.

#### 1.7.1.2 *Strategy-2*

Training to faculty members to enhance expertise

To train existing faculty members by deputing them for various types of training including industrial and national laboratories, attending STTP/FDP/refresher courses, etc.; deputing them to attend and interact with eminent personalities in various national and international conferences.

#### 1.7.1.3 *Strategy-3*

Curriculum improvements to enhance accreditation grading

To improve quality of curriculum by referring various top universities across world and including current and latest topics in curriculum. Also, to do tie up with top universities to offer their courses as online or mooc courses to improve quality of students.

#### **1.7.1.4 Strategy-4**

Student Training / Support to improve their skill and employability

To strengthen industrial collaboration for developing competent professionals for skill development and employability of students. To improve performance of students in competitive exams.

**Table 1 Five yearly targets for faculty training and student internships**

Metrics/Year	2025-26	2026-27	2027-28	2028-29	2029-30
Deputation of faculty members for training to impart new methodology in teaching	2	2	2	2	3
Deputation of faculty members for industrial training to improve their understanding about current scenario and to implement them at Institute	3	3	4	4	4
Deputing faculty members for attending National Seminars/ Conferences for interaction with eminent scientists across country and to collaborate with them for interdisciplinary research	9	10	12	14	15
Deputing faculty members for attending International Seminars/ Conferences. Such visits will help for international collaboration and to improve Institute MoUs with top ranking universities across globe.	1	1	1	2	2
Deputing faculty members for attending STTP/FDP (External) on specific topic of interest.	1	1	1	1	1
Invitation of Foreign faculty members as Visiting Professor	2	2	2	2	2

Meetings with Institute Advisory committee.	2	2	3	3	3
Organization of Orientation program/refresher program for newly recruited faculty members	1	1	1	1	1
Percentage of deputation of students for internship/training in national institutes / MNCs	25%	30%	35%	40%	40%
Percentage of students qualifying the competitive exams	10%	15%	20%	25%	30%

## 1.7.2 Goal 2: To Promote and strengthen research activities

### 1.7.2.1 Strategy-1

To enhance number of research grants, projects and consultancies from various national/international agencies and industries

### 1.7.2.2 Strategy-2

To increase publications in high impact journals

Faculty members will be motivated to publish research papers in high impact factor journals by giving them some incentives, awards, etc.

### 1.7.2.3 Strategy-3

To increase patent filing by faculty members

### 1.7.2.4 Strategy-4

To increase Idea lab projects and research activities

### 1.7.2.5 Strategy-5

To establish Centre of Excellence in Research

Center of excellence in “Drug Development and Research” will be established. Center of Excellence will focus on drug discovery and development of new chemical entities, formulation, development and standardization of new drug delivery system, identifying novel therapeutic targets and treatment for the disease identified under thrust areas.

Given the facilities and infrastructure, the faculty members will focus their research on drug discovery and development of new chemical entities, formulation, development and standardization of new drug delivery system, identifying novel therapeutic targets and treatment for the disease identified under thrust areas like:

**Identify major thrust areas of all specializations focusing towards Centre of excellence in**

**“Research and Drug Development”:**

1. Design and synthesis of various lab analysis and cosmetic science.
2. Development of analytical methods for formulation & development related studies, cosmetic science formulations.
3. Safety and efficacy studies and investigating molecular mechanisms of novel chemical entities/formulations for their pharmacological activity.
4. Extraction, fractionation, isolation and characterization of novel phyto-constituents for cosmetic preparation.
5. Formulation & development of novel drug delivery systems for various disease the treatment.

**Table 2 Five yearly targets for promoting and strengthening the research activities**

Metrics/Year	2025-26	2026-27	2027-28	2028-29	2029-30
Number of Minor Research Projects(M.Pharm)	12	15	15	15	20
Number of externally funded/BMU funded major research project	3	4	4	4	5
Number of collaborative and interdisciplinary projects	2	3	3	4	4
Number of Consultancy Assignments	4	4	4	6	6
Number of students' fellowships/grant	8	9	10	10	12
Number of Publications by faculty members	30	32	32	34	40

Number of Book/Book Chapter by faculty members	4	6	8	8	8
Number of national/international presentation within India	20	20	20	20	20
Number of international presentations outside India	1	1	1	2	2
Increase in average impact factor of published paper by faculty members	2	2.25	2.5	2.5	3
Number of patents filing by faculty members	2	3	4	4	4
Patent filing awareness program for faculties/ Ph.D. students	2	2	2	2	2
Number of Idea Lab Projects by students	4	6	8	10	10
Research awareness program	3	3	3	3	3

### 1.7.3 Goal-3: To establish linkages and collaborations

#### 1.7.3.1 Strategy-1

To involve Industry experts in teaching, learning and research

#### 1.7.3.2 Strategy-2

To establish collaboration with government laboratories/agencies and international organizations

#### 1.7.3.3 Strategy-3

To organize skill-based training/workshop for industry personnel

Action Plan: Under the banner of skill development cell and skill-based training can be proposed based on the need of industry at least once in a year.

#### 1.7.3.4 Strategy-4

Placement of the students in reputed companies with good pay scale

**Action Plan:** Contact will be developed and maintained with recruiters by Manager corporate relations.

Alumni network will also be leveraged for reaching out to companies and training of students by and Alumni activity coordinator / Manager Corporate relations / concerned department heads. After analysing trends and recruiters' surveys, action plan will be decided for each year after discussion in Institute level placement committee.

**Table 3 Five yearly targets for establishing linkages and collaborations**

Metrics/Year	2025-26	2026-27	2027-28	2028-29	2029-30
Industrial experts as visiting faculty (In numbers)	4	4	4	4	4
To involve industrial experts in institutional committee like Advisory committee member (In numbers)	3	3	3	3	3
Industrial person as area Committee and Faculty of Pharmacy member (In numbers)	2 industry persons in Area committee of each department. 3 to 4 members in Faculty of Pharmacy.				
To invite industrial person as Research Progress committee member for Ph.D. students	Each Advisory Committee should have one member from industry				
Faculty exchange with international institutes	1	1	1	1	1
Student exchange with international institutes	5	5	10	10	10

Number of MOUs	5	5	5	5	5
Linkages with pharmaceutical industries and research organizations of national repute	2	2	2	2	2
Arrangement of campus recruitments (In numbers)	25-30	25-30	25-35	25-35	25-35
Arrangement of Mock interviews (In numbers)	1	1	1	1	1
Arrangement of soft skill development programs	2	2	2	2	2

Percentage of students to be placed (who opt for placement)	90-100	90-100	95-100	95-100	95-100
Percentage increase in average salary package every year	7.5	10	7.5	10	7.5
Percentage of International recruitment	0	0	0	0	0

#### 1.7.4 Goal-4: To develop infrastructure facility to meet the requirement of research

##### 1.7.4.1 Strategy-1

To establish FDA & QA related laboratory.

Table 4 Five yearly targets for establishing Cell Culture Laboratory

Metrics/Year	2025-26	2026-27	2027-28	2028-29	2029-30
Number of Laboratories	1	0	0	0	0
Number of Instrumentation/equipment	3	1	1	2	2
Number of Consultancy	1	2	2	3	3
Number of Training programmes	0	1	0	1	0
Recruitment of staff	0	1	0	0	0

##### 1.7.4.2 Strategy-2

To upgrade existing facilities

Table 5 Five yearly targets for upgrading existing facilities

Metrics/Year	2025-26	2026-27	2027-28	2028-29	2029-30
Laboratories	1	1	1	1	1
Instrumentation/equipment	3	3	4	5	5

Class rooms	4	4	4	4	4
ICT/computers	5	5	5	5	5
Software	1	1	1	2	2
Animal house	0	0	0	0	0
Recruitment of staff	1	1	1	1	1

#### 1.7.4.3 Strategy-3

To initiate **Medical Device** programme

**Table 6** Five yearly targets for establishing Medical Devices programme

Metrics/Year	2025-26	2026-27	2027-28	2028-29	2029-30
Number of Laboratories			1		
Number of Instrumentation/equipment	0	0	2	3	3
Number of Faculty recruitment	0	0	1	2	0
Number of students' fellowships/grant	0	0	2	3	5
Linkages with pharmaceutical industries and research organizations of national repute	0	1	1	2	3

#### 1.7.4.4 Strategy-4

To establish Incubation Centre

**Table 7** Five yearly targets for establishing Incubation Centre

Metrics/Year	2025-26	2026-27	2027-28	2028-29	2029-30
Number of Laboratories	0	0	0	1	0
Number of Instrumentation/equipment	0	0	3	4	5

Number of Projects/idea lab funded	2	3	3	5	5
Linkages with pharmaceutical industries and research organizations of national repute	0	1	1	2	3

**1.7.4.5 Strategy-5**

To establish Centre of Excellence for Pharmaceutical research.

**Table 8 Five yearly targets for establishing Centre for Pharmaceutical research**

Metrics/Year	2025-26	2026-27	2027-28	2028-29	2029-30
Number of Laboratories	0	1	0	0	0
Number of Instrumentation/ equipment	0	4	5	7	7
Deputation of dedicated personnel	0	1	0	1	0
Linkages with pharmaceutical industries/Hospital and research organizations of national repute	2	4	4	6	8
Consultancy/Training programmes/value added courses	2	3	4	5	6

**1.8 Monitoring and Alignment: Structure and Systems****Monitoring & alignment (Implementation Structure)****Figure 3 Monitoring of strategic plan of the Bhagwan Mahavir College of Pharmacy**

The Institute will monitor the effective implementation and progress of the Five-Year Strategic Plan. The plan will be implemented and closely monitored by the Institutional Committee. The committee will consist of HOI, HODs and OS. The committee will meet on a monthly basis and review the progress at the institute and will facilitate the proper implementation of the strategic plan. The Institutional Committee will submit the report to the University on six monthly basis.

The below table depicts the specific interventions strategies and course correction to re-align to IDP/strategic plan.

Sr.No.	Semester	Subject	Subject code
1.	IV-Sem B. Pharm	Introduction to Intellectual Property Theory	1040201406
2.	VI-Sem B. Pharm	Learning from Indian epics	1040201606
3.	VIII-Sem B. Pharm	Pharma Marketing Management	1040201803
4.	VIII-Sem B. Pharm	Pharmaceutical Regulatory science	1040201804
5.	VIII-Sem B. Pharm	Pharmacovigilance	1040201805
6.	VIII-Sem B. Pharm	Quality Control and standardization of Herbals	1040201806
7.	VIII-Sem B. Pharm	Computer Aided Drug Design	1040201807
8.	VIII-Sem B. Pharm	Cell and Molecular Biology	1040201808
9.	VIII-Sem B. Pharm	Cosmetic Science	1040201809
10.	VIII-Sem B. Pharm	Experimental Pharmacology	1040201810
11.	VIII-Sem B. Pharm	Advanced Instrumentation Techniques	1040201811
12.	VIII-Sem B. Pharm	Dietary Supplements and Nutraceuticals	1040201812



# **BHAGWAN MAHAVIR COLLEGE OF PHARMACY**

Approved by PCI and AICTE

## **Constituent College of Bhagwan Mahavir University**

✉ [director.bmcp@bmusurat.ac.in](mailto:director.bmcp@bmusurat.ac.in)  
🌐 [www.bmusurat.ac.in](http://www.bmusurat.ac.in)

📞 0261-6770180/82  
📍 VIP Road, Surat, Gujarat- 395007

**Outward No:- BMCP/579/2024-25**

**Date:- 01-04-2025**

### **NOTIFICATION: INNOVATION AND RESEARCH JOURNAL CLUB (IRJC)**

**Subject:** Formation of Innovation and Research Journal Club in

Bhagwan Mahavir College of Pharmacy, Bhagwan Mahavir University, Surat

#### **➤ Introduction about IRJC**

Innovation and Research Journal Club is a collaborative forum where pharmacy students, practitioners, and healthcare professionals come together to critically appraise and discuss current research articles, clinical studies, and evidence-based literature related to pharmacy practice. The primary goal of a journal club is to enhance participants' critical thinking, clinical decision-making, and evidence-based practice skills. These clubs serve as valuable platforms for knowledge-sharing, fostering networking relationships, and promoting evidence-based practices and critical appraisal skills within the pharmaceutical industry.

#### **➤ Objectives of IRJC**

The main objective of a Innovation and Research Journal Club presentation is to foster critical appraisal skills, promote evidence-based practice, and enhance knowledge of current pharmaceutical literature through group discussion and analysis of research articles.

- **Critical Appraisal:** IRJC provide a platform to develop and refine skills in evaluating research methodologies, statistical analysis, and the impact of study results.
- **Evidence-Based Practice:** Participants learn to apply research findings to real-world clinical scenarios, making informed decisions that improve patient outcomes.
- **Staying Current:** Journal clubs help pharmacists and other healthcare professionals stay updated on new data releases and advancements in the field.
- **Knowledge Enhancement:** Participants gain a deeper understanding of specific drug therapies, disease states, and emerging trends in pharmaceutical research.
- **Innovation and Research:** Innovation refers to the development of new ideas, methods, or solutions that improve healthcare delivery, medication management, and pharmacy practice. Research allows students to systematically investigate clinical, pharmaceutical, and healthcare-related questions, contributing to the body of scientific knowledge.





# BHAGWAN MAHAVIR COLLEGE OF PHARMACY

Approved by PCI and AICTE

## Constituent College of Bhagwan Mahavir University

✉ director.bmcp@bmusurat.ac.in  
🌐 www.bmusurat.ac.in

📞 0261-6770180/82  
📍 VIP Road, Surat, Gujarat- 395007

- Presentation and Communication Skills: The presentation aspect of journal clubs provides an opportunity to hone communication skills and learn how to effectively present complex information to an audience.
- Collaboration and Networking: Journal clubs foster collaboration and networking among peers, creating a space for knowledge sharing and potential research collaborations.

### ➤ Goals

A presenter selects a research article and prepares a structured presentation summarizing the study's key findings, methods, and potential implications. applying evidence-based practices to real-world scenarios The presentation is followed by a group discussion where participants critically analyze the paper, raise questions, and offer alternative perspectives.

### The presentation should include:

- Introduction of the paper, topic, journal, and authors.
- Choosing Relevant Articles: Students often select recent, peer-reviewed research articles related to pharmacy practice, clinical guidelines, or emerging therapies.
- A rationale for choosing the paper.
- A summary of the key findings and methods.
- An invitation for audience participation in the discussion.
- A summary of the meeting and a thank you to the audience.

### ➤ Vision

- Improved critical thinking and problem-solving skills.
- Encouraging active participation by posing questions, promoting debate, and exploring different perspectives.
- Enhanced knowledge of pharmaceutical literature.
- Increased awareness of evidence-based practice principles.
- Better communication and collaboration skills.
- Stay updated of Pharma information
- Provide opportunities for members to enhance their knowledge, presentation skills, and research abilities.
- Overcome Stage fear





# **BHAGWAN MAHAVIR COLLEGE OF PHARMACY**

Approved by PCI and AICTE

## **Constituent College of Bhagwan Mahavir University**

✉ [director.bmcp@bmusurat.ac.in](mailto:director.bmcp@bmusurat.ac.in)

🌐 [www.bmusurat.ac.in](http://www.bmusurat.ac.in)

📞 0261-6770180/82

📍 VIP Road, Surat, Gujarat – 395007

### ➤ Team Structure:

<b>Sr. No.</b>	<b>Name</b>	<b>Role</b>	<b>Contact Number</b>
1.	Dr. Vineet C. Jain	President	9428139472
2.	Mrs. Drashti Mandlik	Vice-President	9265018798
3.	Dr. Bhavini Gharia	Treasurer	9662539138
4.	Kirti Donga	Secretary	8264576355
5.	Drimi Dholiya	Student Member	9727781879
6.	Maharshi Pandya	Student Member	9173406100
7.	Meet Dholiya	Student Member	9425521227
8.	Shivam Dobariya	Student Member	9737608502
9.	Ekta Tiwari	Student Member	8320869967
10.	Reva Patel	Student Member	9875260307
11.	Patil Yash	Student Member	8128416485
12.	Siddhi Shah	Student Member	9016610116
13.	Aayushi Goyal	Student Member	6353584026
14.	Namira Shaikh	Student Member	7600171434
15.	Dubey Apeksha	Student Member	9157415764
16.	Isha Khatik	Student Member	8401209955
17.	Viraj Shinde	Student Member	9512847827
18.	Isha Jain	Student Member	9023705513
19.	Roshni Kumawat	Student Member	9664735778
20.	Honey Sonavane	Student Member	8733006087
21.	Vaibhavi Singh	Student Member	9016509053
22.	Gupta Karan	Student Member	7777984005
23.	Jain Tanish	Student Member	9316192679
24.	Neelam Choudhary	Student Member	7874306321





# **BHAGWAN MAHAVIR COLLEGE OF PHARMACY**

Approved by PCI and AICTE

## **Constituent College of Bhagwan Mahavir University**

✉ [director.bmcp@bmusurat.ac.in](mailto:director.bmcp@bmusurat.ac.in)  
🌐 [www.bmusurat.ac.in](http://www.bmusurat.ac.in)

📞 0261-6770180/82  
📍 VIP Road, Surat, Gujarat- 395007

### ➤ **Roles and Responsibilities of the Core Committee member :**

#### • **President**

1. Hold Club Executive Committee meetings on a regular basis.
2. Prepare an agenda for each meeting.
3. Decide the types of activities to be organized.
4. Prepare the annual activity calendar.
5. Keep the Provost/Dean/advisor informed of all club meetings and activities.
6. Appoint a representative to the Clubs and Events Board if necessary.
7. Preside over the club and club meetings.
8. Serve as the official spokesperson for the club.
9. Appoint committees and delegate tasks among members.
10. Ensure adherence to the university's policies and guidelines.
11. Facilitate communication between the club and external organizations or sponsors.
12. Conduct an annual review of the club's performance and goals.
13. Implement a feedback mechanism to gather input from club members.
14. Promote mentorship opportunities by encouraging senior members to guide new members.
15. Collaborate with other clubs and organizations to expand the club's reach and impact.
16. Establish a recognition and awards system to celebrate exceptional contributions by members.

#### • **Vice President**

1. Attend all Executive Committee meetings and organizational meetings.
2. Assist the President in their duties.
3. Assume the President's responsibilities in their absence.
4. Oversee the execution of club activities, ensuring alignment with its mission.
5. Act as a liaison between the President and other club members.
6. Help resolve conflicts or issues within the club.
7. Encourage collaboration with other clubs for joint events.
8. Ensure transparent decision-making by maintaining clear communication with members.
9. Provide guidance and mentorship to members as needed.
10. Implement a regular feedback mechanism for members to provide suggestions and raise concerns.
11. Promote active participation through mentorship programs, encouraging the development of leadership and organizational skills.





# **BHAGWAN MAHAVIR COLLEGE OF PHARMACY**

Approved by PCI and AICTE

## **Constituent College of Bhagwan Mahavir University**

✉ [director.bmcp@bmusurat.ac.in](mailto:director.bmcp@bmusurat.ac.in)

🌐 [www.bmusurat.ac.in](http://www.bmusurat.ac.in)

📞 0261-6770180/82

📍 VIP Road, Surat, Gujarat- 395007

### **• Treasurer**

1. Responsible for all funds in the club's account at the Business Services Office (No off-campus accounts may be kept).
2. Sign all fund requisitions along with the advisor for the withdrawal of funds from the club's account.
3. Have records available for examination at any time.
4. If the club's account balance is required in advance, a request should be submitted to the management at least five days prior to the intended presentation date.
5. Prepare an annual budget proposal for the club's activities.
6. Ensure all financial transactions are transparent and documented.
7. Organize fundraising activities if necessary.

### **• Secretary**

1. Record what was done at club meetings and keep accurate permanent minutes.
2. Keep an accurate and up-to-date list of members.
3. Keep a copy of the constitution and/or bylaws and have it available for easy reference during meetings.
4. Write motions down accurately and be prepared to read them.
5. Prepare and keep club activities reports on a regular basis.
6. Prepare the annual report of the club upon the completion of the academic year.
7. Manage communication with members (e.g., sending meeting reminders, updates, etc.).
8. Maintain an archive of all club documents, including past meeting minutes, reports, and correspondence.

### **➤ General Rules for the Innovation and Research Journal Club**

1. **Attendance & Punctuality:** Members are expected to attend regularly and on time. If unable to attend, members should notify the facilitator in advance.
2. **Preparation is Key:** The assigned article should be read thoroughly before the meeting. Members should come prepared with notes, questions, and key points for discussion.
3. **Respectful Discussion:** Maintain a professional and respectful tone, even when disagreeing. Allow others to speak without interruption and value diverse opinions.
4. **Active Participation:** Everyone should contribute to discussions, whether by presenting, asking questions, or offering insights. Engage critically but constructively.
5. **Confidentiality:** Any patient-related information or sensitive data discussed in these studies should remain confidential.





# **BHAGWAN MAHAVIR COLLEGE OF PHARMACY**

Approved by PCI and AICTE

## **Constituent College of Bhagwan Mahavir University**

✉ [director.bmcp@bmusurat.ac.in](mailto:director.bmcp@bmusurat.ac.in)

🌐 [www.bmusurat.ac.in](http://www.bmusurat.ac.in)

📞 0261-6770180/82

📍 VIP Road, Surat, Gujarat- 395007

6. **Structured Presentation:** Follow a clear format: Introduction, Methods, Results, Discussion, Conclusion, and Clinical Relevance. Highlight strengths, limitations, and potential biases of the study.
7. **Time Management:** Presentations should be concise (usually 10-15 minutes) to allow for group discussion. Allocate time fairly for questions and commentary.
8. **Critical Thinking:** Focus on evaluating the study's validity, reliability, and applicability to practice. Consider alternative interpretations and potential impact on patient care.

### ➤ **Different Theme of IRJC**

- World of Pharma Industry
- Current Pandemic Disease
- Pharma App
- Pharma Magazine
- Interaction session of 73<sup>rd</sup> IPC
- Current innovation in Pharmacy

All students are encouraged to actively participate in the club activities to enhance their learning experiences. The Innovation and Research Journal club will host regular meetings, workshops, competitions, and other events to provide a platform the students to showcase their talents and Innovations.

*RESULTS*  
Mrs. Drashti Mandlik  
Vice-President  
Journal Club



*Dr. Vineet C. Jain*  
Director, BMCP  
**DIRECTOR**  
Bhagwan Mahavir College of Pharmacy  
Surat



<b>Date of event :</b>	03/08/2024
<b>Name of Event:</b>	Journal club program
<b>Event Convener</b>	Dr. Vineet Jain
<b>Conducted By</b>	Bhagwan Mahavir College of Pharmacy
<b>No. of Participants</b>	150

### **INTRODUCTION:-**

Journal clubs aim to dissect current research articles, covering aspects such as study design, data analysis methods, conclusions drawn, and the impact of research on patient care and outcomes. These discussions serve as a practical way to enhance the content knowledge of health professionals. A pharmacy journal club is a forum where professionals gather to discuss the clinical implications of articles published in medical journals. These clubs serve as valuable platforms for knowledge-sharing, fostering networking relationships, and promoting evidence-based practices and critical appraisal skills within the pharmaceutical industry.

Pharmacy journal club, a collaborative space where professionals dissect scholarly articles, engage in critical discussions, and bridge the gap between research and patient care. Hence considering this idea Bhagwan Mahavir college of pharmacy organized a pharmacy journal club event.



**EVENT STRUCTURE:**

On March 16th, 2023, BMCP hosted an intellectually enriching “Journal Club event”, bringing together students, faculties, coveners and director of BMCP to delve into the latest research and scholarly discussions.

Student of 7<sup>th</sup>sem Ekta Tiwari and Reva Patel kicked off the event with a gracious welcome, expertly creating a supportive atmosphere that perfectly primed the audience for a truly engaging and thought-provoking session on “pharma app and journal”

The Journal Club provided a valuable platform for a talented student to share their unique perspective on various topics through a series of engaging presentation, with that our 5<sup>th</sup> Sem students nurturing a dynamic environment, Parth Ahir and Ritesh Gupta’s compelling presentation on “pharm rack” effectively set the stage for the journal club’s thought-provoking series, providing a supportive platform. The next participant, Ritik Pareek from 5<sup>th</sup> Sem B. Pharm acknowledged us on topic “TATA 1mg.” The event was further carried by Apeksha Dubey, student of 5<sup>th</sup> sem B. pharm, shed light on the a very interesting pharma app “Pharma easy” Next participant Sakshi Mehta from 3<sup>rd</sup> sem presented on topic “1mg pharma app” and lastly Sudam Pradhan from 2<sup>nd</sup> year D. pharm enlighten us about “pharma darpan journal”

Dr. Zerna Dedania, HOD of Quality Assurance department, effectively concluded the presentation session by sharing her expertise and providing valuable guidance on “writing research report.”

After the engaging presentation, the program seamlessly transitioned to the game segment, where students were provided with a worksheet to complete within a challenging 2-minute time frame.

The event happily ended with the photo session.



### GLIMPSE OF THE EVENT



## BHAGWAN MAHAVIR COLLEGE OF PHARMACY

# JOURNAL CLUB 2024-25

THEME:

PHARMA APP

PHARMA MAGAZINE



Event Coordinator

**Mrs. Drashti Mandlik**  
**Mrs. Kirti M. Donga**

**Aug 03, 2024**

**11:00 AM**

**Onwards**

**Venue**

**402 Seminar Hall, BMCP**

**Email ID:** [journalclub.bmcp2024@gmail.com](mailto:journalclub.bmcp2024@gmail.com)

**Director**

**Dr. Vineet C. Jain**

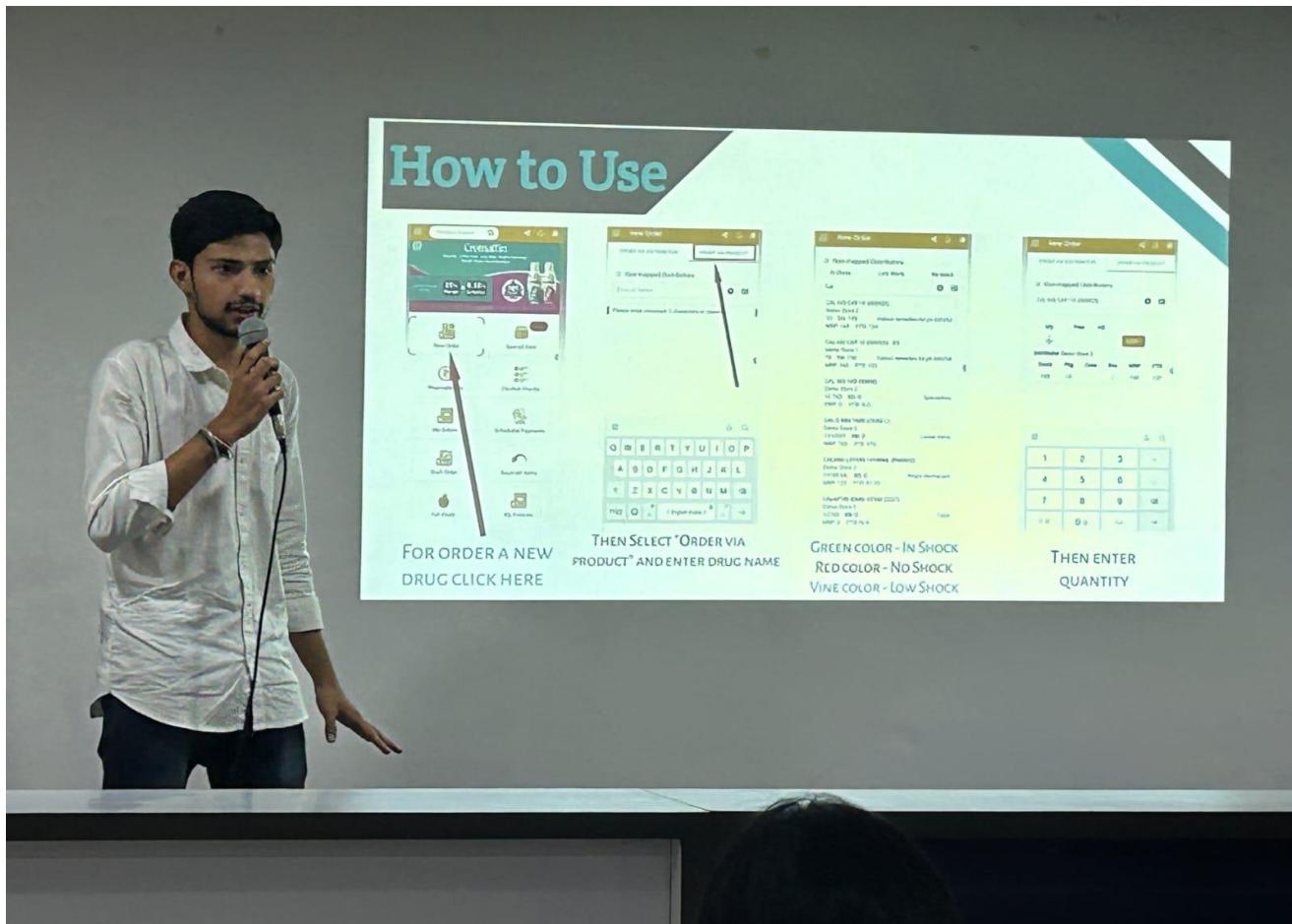


**Report for activities  
Held on: 03/08/2024  
Journal Club Program**





**Report for activities  
Held on: 03/08/2024  
Journal Club Program**





**Report for activities  
Held on: 03/08/2024  
Journal Club Program**





**Report for activities  
Held on: 03/08/2024  
Journal Club Program**





**Report for activities  
Held on: 03/08/2024  
Journal Club Program**

**PREPARED BY:  
Mrs. Drashti Mandlik  
Mrs. Kriti M. Donga  
(faculty of BMCP)**



**Report on  
“World Pharmacist Day 2024”**

Held on: 25/09/2024

Date of Event:	25/09/2024		
Name & Type of Event: (Offline)	World Pharmacist Day, 2024		
Conducted By:	BMCP		
No. of Participants:	Staff: 25	Students: 175	Total: 200
Venue:	Seminar Hall, BMCP		

**INTRODUCTION:**

World Pharmacist Day is celebrated on September 25th each year. It was established by the International Pharmaceutical Federation (FIP) to promote and advocate the role of pharmacists in improving health worldwide. The day is an opportunity to recognize the contributions of pharmacists in healthcare and raise awareness about the importance of their role in patient care, medication management, and public health.

**PROGRAM:**

Bhagwan Mahavir College of Pharmacy, Surat had Organized World Pharmacist Day Celebration on 25 September 2024. Total 7 Events was the Part of Celebration like Rangoli, Best out of Weste, One Min Game (Stock and Run & Reader Unlocking), Kitchen Pharma, Tresure Hunt and My Self Medicine. The event was inaugurated at 10 AM With One Min Game, Kitchen Pharma, Tresure Hunt and My Self Medicine. The Valedictory function started at 2:00 P.M. in the Presence of Chief Guest Mr. Shyam Kushwan, All India in charge of Pharma Vision. The Function Started with the Lamp Lighting. Welcome note was given by Dr. Vineet C. Jain. He also Explained Importance and Role of Pharmacist and Why we Celebrate World Pharmacist Every Day. Then we Started with the Price Distribution of Rankers of Pharm (6<sup>th</sup> Sem 4<sup>th</sup> Sem & 2<sup>nd</sup> Sem and Diploma 1<sup>st</sup> Year). after Academic Rankers Felicitation of Jury Members was done and Finally the Announcement winners and Runners up of World Pharmacist Day Events. The Vote of Thanks Given by Mrs. Prakruti Desai. The Program was ended Refreshment of Students and Faculty Members.



# Report on

# “World Pharmacist Day 2024”

Held on: 25/09/2024

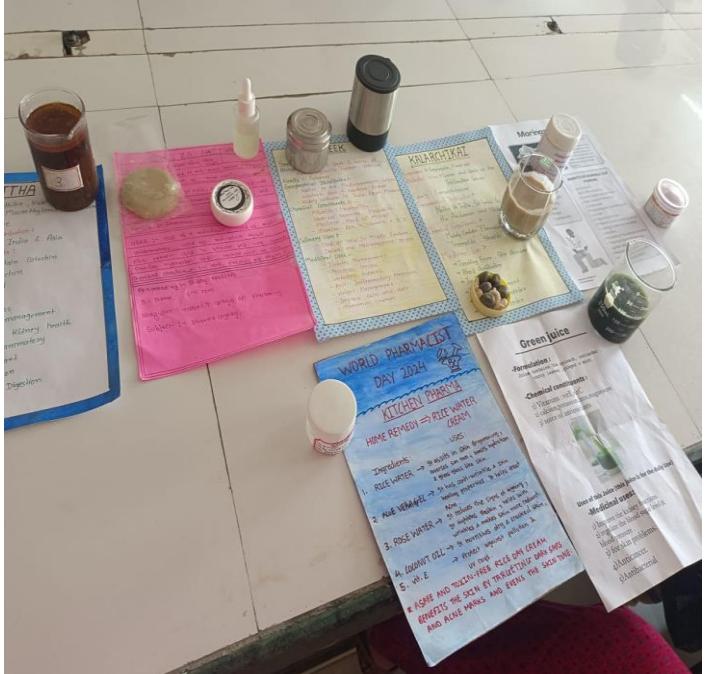
## POSTER CREATIVE:



# Report on “World Pharmacist Day 2024”

Held on: 25/09/2024

## EVENT PHOTOGRAPHS:





# Report on “World Pharmacist Day 2024”

Held on: 25/09/2024





**Report on  
“World Pharmacist Day 2024”**

Held on: 25/09/2024



**Report Submitted By:**

**Name** : Mrs. Prakruti Desai, Event Coordinator

**Designation** : Assistant Professor

**Constituent College Name** : Bhagwan Mahavir College of Pharmacy



**Report on  
“Pharmaphilic 2025”  
Held on: 01/03/2025**

Date of Event:	01/03/2025		
Name of Event	Pharmaphilic (State Level Tech Fest)		
Conducted By	Bhgawan Mahavir College of Pharmacy		
No. of Participants	Staff: 25	Students: 180	Total: 205
Venue:	BMCP Seminar Hall		

**Brief Introduction to Event: -**

As the name suggests, Pharmaphilic symbolizes our passion for pharmacy — a profession that blends science, compassion, and innovation to improve human health. Today, we come together not just to compete, but to collaborate, to learn, and to grow. This fest is a unique platform designed by students, for students, to showcase talent and sharpen skills beyond the classroom. From technical event Poster Pulse, Pharma Marketing, Prescription Plates & Pharma Sketch for Non-Technical Event Reader Unlocking & Stack & Run— there's something for every curious mind here. Let us use this occasion to build new connections, ignite new ideas, and celebrate the spirit of science and creativity. Together, let's make Pharmaphilic 2025 not just an event, but a memorable experience. The Event was Inaugurated in the Presence of Guest of Honor Mr. Arpit Jariwala, Manager: Research & Development, SMT & Shri Jignesh Patil, President Youth4Gujarat Charitable Trust Suart and Chief Guest Shri Praful Dhorajiya, Director GENMED Surat. In different events students took part from different college like S.S. Agarwal College, Maliba Pharmacy College, Sharee Naranji bhai College Umrakh, Dayaram College of pharmacy. Total 110 Students took Part in the event.

**Event Photographs:**



**Report on  
“Pharmaphilic 2025”  
Held on: 01/03/2025**





**Report on**  
**“Pharmaphilic 2025”**  
Held on: 01/03/2025



**Report Submitted By:**

**Name** :Ms. Prakruti Desai , Assistant Professor

**Designation** : Event Coordinatirs

**Constituent College Name:** Bhagwan Mahavir College of Pharmacy



**Report on**  
**“78<sup>th</sup> Independence Day-2024”**  
Held on: 15/08/2024

Date of Event:	15/08/2024		
Name of Event	Independence Day-2024		
Conducted By	Bhagwan Mahavir College of Pharmacy		
No. of Participants	Staff: 500	Students: 250	Total: 750
Venue:	BMIS Auditorium		

**INTRODUCTION:** Independence Day in India marks the day in 1947 when the country gained independence from British rule, and it is celebrated annually with flag hoisting ceremonies, parades, and cultural events across the nation. Bhagwan Mahavir University, Surat had Celebrated 78 th Independance Day on 15<sup>th</sup> August, 2024. The event was inaugurated at 8:30 AM in the presence of Chief Guest Shri Bhikhabhai Goyani (Vice President of Gujurat State Pharmacy Council), Managing trustees of BMU and Staff Members of Bhagwan Mahavir University and Students. In the Presence of All Members Flag Hosting ceremony was celebrated.

**EVENT STRUCTURE:**

Firstly, Flag Hosting was done near BMIS Ground after that the Cultural Programme and Speech of Chief Guest was done in BMIS Auditorium. There was total 9 Performance including Speech, Solo Dance, Group Dance and Singing. The Programme end with Speech of Director of Bhagwan Mahavir College of Pharmacy, Dr. Vineet C Jain. There was Arrangement of Refreshment of All Staff Members and Students.



Report on  
“78<sup>th</sup> Independence Day-2024”  
Held on: 15/08/2024

**POSTER CREATIVE:**





**Report on  
“78<sup>th</sup> Independence Day-2024”  
Held on: 15/08/2024**

**gramme Schedule:**

<b>Sr No.</b>	<b>Programme schedule</b>	<b>Time (Min)</b>
1)	<b>Commencement of Event</b> Ms. Grishma Desai, Assistant Professor, BMCP	03
2)	<b>Flag Hosting and National Anthem</b>	05
3)	<b>Welcome Note</b> Dr. Manoj Kumar, Provost, BMU	03
4)	<b>Felicitation</b>	05
5)	<b>Chief Guest Speech</b> Mr. Bhikhabhai B. Goyani, Vice President Gujarat State Pharmacy Council	03
6)	<b>Inauguration of One Week for Nation</b>	03
7)	<b>Cultural Programme</b> Dr. Shailja Saparia, Assistant Professor, BMCP	20
8)	<b>Vote of Thanks</b> Dr. Vineet C. Jain, Director BMCP	03

**Programme Schedule:**





**Report on**  
**“78<sup>th</sup> Independence Day-2024”**  
Held on: 15/08/2024



**Report Submitted By:**

**Name** :Ms. Prakruti Desai

**Designation** : Cultural Coordinators

**Constituent College Name:** Bhagwan Mahavir College of Pharmacy



**Report on  
“Orientation for B.Pharm 2024”**

Held on: 02/09/2024

Date of Event:	02/09/2024		
Name & Type of Event: (online/offline)	Orientation Programme For B.Pharm Students		
Conducted By:	BMCP		
No. of Participants:	Staff: 18	Students: 40	Total: 58
Venue:	Seminar Hall, BMCP		

**INTRODUCTION:**

An orientation program is typically designed to welcome and introduce students, in BMCP. The purpose of such a program is to help newcomers acclimate to their new environment, understand its culture, rules, and expectations, and provide them with the resources they need to succeed.

**PROGRAM:**

Bhagwan Mahavir College of Pharmacy, Surat had Orientation Program for B.Pharm Students on 02 September 2023. The event was inaugurated at 11 am in the presence of the chief guests and managing trustees of BMU. Orientation Program was Started with Introduction of College and Guest by Dr. Shailja Saparia. The inauguration function started with the Speech of Dr. Manoj Kumar Provost BMU gave a brief introduction of BMU. Welcome note was given by Dr. Vineet C. Jain. He also Explained Importance and Role of Pharmacist. All ERP Information and how to Generate Profile all the details explained by Ms. Grishma Desai. Academic Information and Course Curriculum was explained by Mrs. Prakruti Desai. All the Information of Internal and External Exams was explained by Dr. Ronak Dedania. College Code of Conduct and All Department wise Faculty Profile was delivered by Dr. Zarna Dedania. Finally, Dr. Shailja Saparia concluded vote of thanks. The Program was ended with the College Visit of Students along with their Parents and they enjoyed the Refreshment.



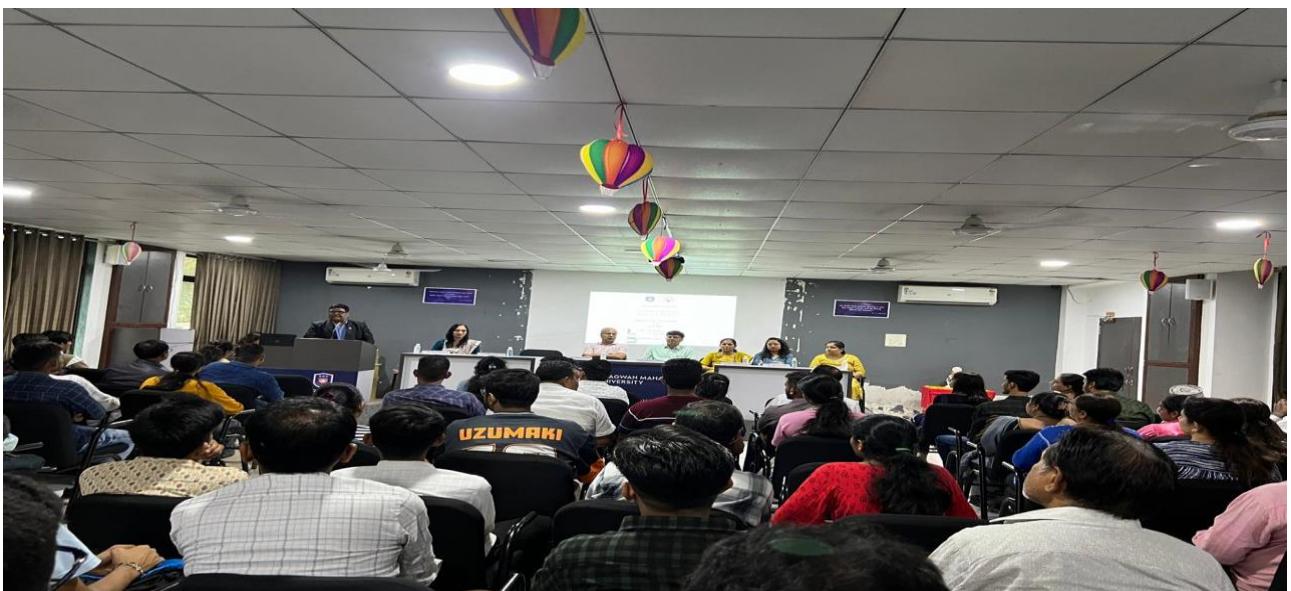
**Report on  
“Orientation for B.Pharm 2024”**

Held on: 02/09/2024

**POSTER CREATIVE:**



**EVENT PHOTOGRAPHS:**





**Report on  
“Orientation for B.Pharm 2024”**

Held on: 02/09/2024



**Report Submitted By:**

**Name** : Mrs. Yugma Desai

**Designation** : Assistant Professor

**Constituent College Name : Bhagwan Mahavir College of Pharmacy**



**Report on  
“Orientation for D.Pharm 2024”**

Held on: 03/09/2024

Date of Event:	03/09/2024		
Name & Type of Event: (online/offline)	Orientation Programme For D.Pharm Students		
Conducted By:	BMCP		
No. of Participants:	Staff: 18	Students: 35	Total: 53
Venue:	Seminar Hall, BMCP		

**INTRODUCTION:**

An orientation program is typically designed to welcome and introduce students, in BMCP. The purpose of such a program is to help newcomers acclimate to their new environment, understand its culture, rules, and expectations, and provide them with the resources they need to succeed.

**PROGRAM:**

Bhagwan Mahavir College of Pharmacy, Surat had Orientation Program for D.Pharm Students on 03 September 2024. The event was inaugurated at 11 AM in the presence of the chief guests and managing trustees of BMU. Orientation Program was Started with Introduction of College and Guest by Dr. Shailja Saparia. The inauguration function started with the Speech of Mr. Nitin Patel Deputy Assistant Registrar BMU gave a brief introduction of BMU. Welcome note was given by Dr. Vineet C. Jain. He also Explained Importance and Role of Pharmacist. All ERP Information and how to Generate Profile and all the details explained by Ms. Grishma Desai. Academic Information and Course Curriculum was explained by Mrs. Prakruti Desai. All the Information of Internal and External Exams was explained by Dr. Ronak Dedania. College Code of Conduct and All Department wise Faculty Profile was delivered by Dr. Zarna Dedania. Finally, Dr. Shailja Saparia concluded vote of thanks. The Program was ended with the College Visit of Students along with their Parents and they enjoyed the Refreshment.



**Report on  
“Orientation for D.Pharm 2024”**

Held on: 03/09/2024

**POSTER CREATIVE:**



**EVENT PHOTOGRAPHS:**



# Report on “Orientation for D.Pharm 2024”

Held on: 03/09/2024



## Report Submitted By:

**Name** : Mrs. Yugma Desai

**Designation** : Assistant Professor

**Constituent College Name** : Bhagwan Mahavir College of Pharmacy



**Report on  
“Ganesh Utsav Aarti -2024”**

Held on: 11/09/2024

Date of Event:	11/09/2024		
Name & Type of Event: (online/offline)	Ganesh Utsav Aarti		
Conducted By:	BMCP		
No. of Participants:	Staff: 20	Students: 20	Total: 40
Venue:	Admin office, BMU		

**INTRODUCTION:**

Ganesh Utsav is one of the most celebrated festivals in India, dedicated to Lord Ganesha, the deity of wisdom, prosperity, and new beginnings. Ganesh Aarti - a devotional song or prayer sung in honor of the deity. It serves as an expression of deep reverence and devotion, inviting Lord Ganesha to remove obstacles and shower blessings. The Aarti is performed with great enthusiasm during the daily worship and marks the spiritual highlight of the celebrations.

**PROGRAM:**

Bhagwan Mahavir College of Pharmacy, Surat had Ganesh Aarti programme on 11<sup>th</sup> September 2024. The evening Aarti for Ganesh Utsav was a beautiful and spiritually experience. Students and staff gathered at the venue by 4:30 PM, eagerly awaiting the arrival of Maharaj. About 40 students and staff participated in the celebration. As the students waited, they sang devotional bhajans, filling the atmosphere with melodious hymns dedicated to Lord Ganesha. Soon after, Maharaj arrived and commenced the puja, leading the sacred rituals with devotion and grace. **Dr. Vineet sir, Dr. Zarna madam, Dr. Ronak sir** actively participated in the pooja, assisting Maharaj in the offerings. **Anil sir** also joined in for the Aarti, adding to the sense of unity and devotion. After the Aarti, everyone sang the Thal in honor of Ganesh. The event concluded with the distribution of Prasad, which was enjoyed by all the students and staff, creating a sense of joy and togetherness. The students enjoyed the celebration, making the evening a memorable one for all.



**Report on  
“Ganesh Utsav Aarti -2024”**

Held on: 11/09/2024

**EVENT PHOTOGRAPHS:**



**Report Submitted By:**

**Name** : Mrs. Prakruti Desai and Mrs. Yugma Desai

**Designation** : Assistant Professor

**Constituent College Name:** Bhagwan Mahavir College of Pharmacy



## Report on

### Field Visit to Veer Narmada South Gujarat University

Held on: 19/09/2024

Date of Event :	<b>19/09/2024</b>		
Name & Type of Event (online/offline)	<b>Field Visit To Veer Narmada South Gujarat University</b>		
Guest Speaker:	NA		
Conducted By	<b>Bhagwan Mahavir College of Pharmacy, Surat</b>		
No. of Participants	<b>Staff:03</b>	<b>Students:59</b>	<b>Total:62</b>
Venue:	<b>Surat Dawa Bazaar, Surat.</b>		

### INTRODUCTION:

On 19<sup>th</sup> September 2024, a group of 59 students from the 3<sup>rd</sup> sem degree B.Pharm program along with Dr.Rashmi Korat , Head of Department of Pharmacongosy, and Miss.Feni Jariwala Assistant Professor and Mr. Kaushal Parashar, Technician at BMCP, BMU had a visit at Veer Narmad South Gujarat University (VNSGU) Botanical Center in Surat. The aim was to enhance their understanding of botanical concepts , practical applications on chromatography techniques and their application in pharmaceutical field. The visit was designed to expose students to real-world botanical scenarios, and bridge the gap between theoretical knowledge and practical implementation.

### Itinerary:

The field visit proceeded as follows:

**Arrival and Welcome (10:30 AM - 10:45 AM):** The students were welcomed to the VNSGU Botanical Centre and were provided with an overview of the day's activities.



## Report on

### Field Visit to Veer Narmada South Gujarat University

Held on: 19/09/2024

**Interactive Seminar on Plant currently under research (11:00 AM - 11:40 AM):** An interactive seminar on organic farming of plant and techniques applied for the same was conducted. Students had the opportunity to correlate their theoretical knowledge and practical utilization of these plant drugs for current therapeutic use and various researches being carried out on these drugs in various fields.

**Guided Tour of Greenhouses (11:45AM - 12:15PM):** Students were divided into smaller groups and guided through various green houses. The tour provided insights into different plant ecosystems and their specific growth conditions.

**Herbarium and Plant Specimen Analysis (12:15 PM - 12:45 PM):** The students visited the herbarium, where they learned about the importance of collecting, preserving, and cataloging plant specimens. They were introduced to techniques for plant specimen analysis, including identification and classification.

**Ethno botanical Garden Exploration (12:45 PM - 1:30 PM):** The students explored the ethno botanical garden, which showcased various plant species traditionally used by different cultures for medicinal, culinary, and cultural purposes.

**Visit to Instrumental laboratory and Plant Tissue culture Laboratory (2:30 PM – 3.00 PM):** The students were explored for the Instrumental laboratory were in they gained the knowledge about various instrument such as PCR, HPTLC, HPLC, Gas chromatography and also animal/Plant tissue culture lab under the guidance of **Dr. Farzin M Parabia , Head of Department of BioSciences**. In the question and answer session, where students had the opportunity to ask clarifying questions about the day's activities. They also provided feedback on their overall experience during the field visit.

#### **Conclusion:**

The field visit to the VNSGU Botanical Centre on 19<sup>th</sup> September 2024 was a valuable educational experience for the 59 participating students. The hands-on learning, interactive seminar, and exploration of the herbarium and ethno botanical garden provided students with a practical understanding of various botanical aspects. The instrumentation Laboratory visit successfully bridged



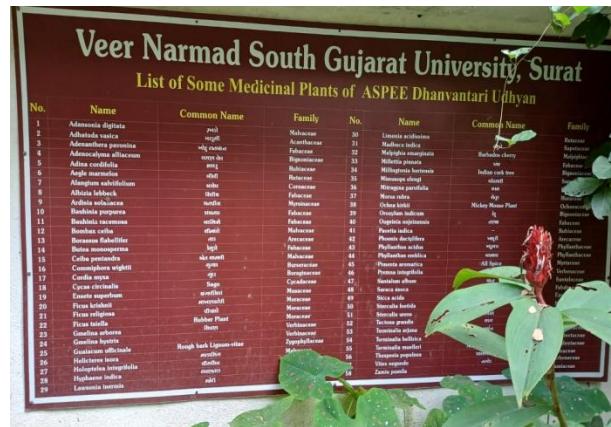
## Report on

### Field Visit to Veer Narmada South Gujarat University

Held on: 19/09/2024

the gap between theoretical knowledge and real-world application, fostering a deeper interest in phytochemical analysis as well as quality control process which laid potential career paths among the students within Pharmaceutical field. The participation of a significant number of students added to the collaborative learning environment, making the field visit a rewarding endeavour. The students also collected the various medicinal plants from VNSGU and contributed for the development of Herbal garden at BMCP.

#### Event Photographs:





## **Report on**

**Field Visit to Veer Narmada South Gujarat University**

**Held on: 19/09/2024**

### **Report Submitted By:**

**Name : Dr.Rashmi Korat**

**Designation : Associate Professor**

**Constituent College Name: Bhagwan Mahavir College of Pharmacy**



## Report on

### **Industrial Visit To Shree Swami Atmanand Saraswati Ayurvedic Cooperative Pharmacy LTD (ASFA),Surat.**

Held on: 04/10/2024

Date of Event :	<b>04/10/2024</b>		
Name & Type of Event (online/offline)	<b>Industrial Visit To Shree Swami Atmanand Saraswati Ayurvedic Cooperative Pharmacy LTD (ASFA)</b>		
Guest Speaker:	NA		
Conducted By	<b>Bhagwan Mahavir College of Pharmacy, Surat</b>		
No. of Participants	<b>Staff:02</b>	<b>Students:56</b>	<b>Total:58</b>
Venue:	<b>Varacha, Surat.</b>		

#### **INTRODUCTION:**

On 4<sup>th</sup> October 2024, a group of **56 students** from the **5th sem B.Pharm** program along with **Dr.Rashmi Korat** , **Associate Professor & Head of Department of Pharmacongosy**, and **Mrs . Kirti Donga**, **Assistant Professor** , **BMCP** , **BMU** had a visit at **Shree Swami Atmanand Saraswati Ayurvedic Cooperative Pharmacy LTD (ASFA)** which is located at **Varacha Surat**. Shree Swami Atmanand Saraswati Ayurvedic Co-operative Pharmacy ltd. (Asfa) was founded by His Holiness Shree Atmanand Saraswati Swami Maharaj. The Holy saint from Varanasi came to Surat and along with delivering religious discourses on “Gita” in the year of 1925, He started teachings of the ashram to the students and Later on, started teaching Ayurveda and started preparing Ayurvedic medicine for the needy and poor patients, at place where today we have got renowned Ayurvedic drug Manufacturing co-operative pharmacy since 1949 this pharmacy Manufacturing about 310 Ayurvedic single and compound standard drugs as prescribed in the recognized books. This factory having GMP Standard and ISO mark **ISO 9001-2015** Second drug manufacturing unit is at Navagam industrial estate on National high-way no 8 Near Kamrej Dis.surat.

ASFA is manufacturing qualitative Ayurvedic medicine. The firm is selling through dealers and own branch network. The firm is manufacturing wide range of Ayurvedic medicine viz. Churn, Vati, Pills,



## Report on

### Industrial Visit To Shree Swami Atmanand Saraswati Ayurvedic Cooperative Pharmacy LTD (ASFA), Surat.

Held on: 04/10/2024

Tablets, Syrup, Asav, Ghrit, Tail, Avleh, Sarbat, Bhasma. The visit was designed to expose students to real-world and bridge the gap between theoretical knowledge and practical implementation.

#### **Itinerary:**

##### **The Industrial visit proceeded as follows:**

The students were welcomed to the Shree Swami Atmanand Saraswati Ayurvedic Cooperative Pharmacy LTD (ASFA) by Mr. Vinodbhai and were provided with an overview of the Industrial visit. During the visit the students visited the various departments of the industry i.e.

- Herbal Processing Unit:** This unit serves as the gateway to manufacturing process, where raw herbs and botanicals are received from various sources across India. Here, meticulous sorting and cleaning procedures are employed to ensure the removal of impurities and foreign matter. Depending on the intended use, certain herbs may undergo initial extraction processes to isolate and concentrate their active constituents. This ensures that only the highest quality and most potent ingredients are used in formulations, setting the stage for effective and authentic Ayurvedic products.
- Manufacturing Units:** These units form the heart of production infrastructure, where the transformation of raw materials into finished products occurs. Equipped with advanced machinery and adhering to strict quality control protocols, these units produce a wide array of goods, ranging from traditional herbal medicines and dietary supplements. The manufacturing process is carefully orchestrated to maintain the integrity of each product while meeting the demands of scale and efficiency required serving vast customer base. The specific details of the machinery and equipment used in manufacturing facilities include a wide range of equipment such as:
  - Mixing and blending machines for preparing herbal formulations.
  - Grinding machines for grinding herbs and other raw materials.
  - Extraction units for extracting active ingredients from herbs.
  - Fermentation tanks for fermenting herbal preparations.
  - Distillation units for distilling essential oils and other extracts.
  - Filtration equipment for purifying and clarifying liquids.
  - Packaging machinery for filling and sealing products.



## Report on

### Industrial Visit To Shree Swami Atmanand Saraswati Ayurvedic Cooperative Pharmacy LTD (ASFA), Surat.

Held on: 04/10/2024

- Conveyor systems for transporting materials between different stages of production.
- Quality control equipment for testing the quality and purity of products.
- Boiler units for generating steam used in various processes

3. **Quality Control and Assurance:** Ensuring the purity, potency, and safety of its products is a top priority for ASFA. The quality control and assurance section is responsible for upholding these standards throughout the production process. Rigorous testing procedures are implemented at every stage, from incoming raw materials to intermediary products and final formulations. Advanced analytical techniques are employed to verify the identity, composition, and absence of contaminants in each batch, guaranteeing that only the highest quality products bear the ASFA name.

4. **Packaging Unit:** Packaging serves as the final frontier in preserving product quality and enhancing consumer experience. In the packaging unit, careful consideration is given to selecting materials that are both environmentally sustainable and capable of safeguarding the integrity of products during storage and transportation. Innovative packaging designs are employed to optimize shelf life, convenience, and aesthetic appeal, ensuring that each product reaches consumers in pristine condition and reflects the brand's commitment to quality and sustainability.

#### Conclusion:

This report presents an overview of the industrial visit conducted at ASFA Ayurveda on 04 October 2024. The primary objective of the tour was to gain practical insights into the company's operational processes and technological advancements. During the visit, participants observed key production lines, manufacturing techniques, and quality control measures in action. The tour also included detailed discussions with industry professionals about their roles, challenges and innovations within the sector. Key findings highlight the integration of modern technologies such as automation and data analytics, which have significantly enhanced efficiency and product quality. This report encapsulates the critical observations and learning outcomes from the visit, offering valuable perspectives on contemporary industrial practices and their implications for future industry trends.

We are heartfelt thankful to **Mrs. Shwati N Naik**, Director of ASFA Ayurvedic industry, for her continuous guidance and support throughout the visit.



## Report on

### Industrial Visit To Shree Swami Atmanand Saraswati Ayurvedic Cooperative Pharmacy LTD (ASFA), Surat.

Held on: 04/10/2024

#### Event Photographs:

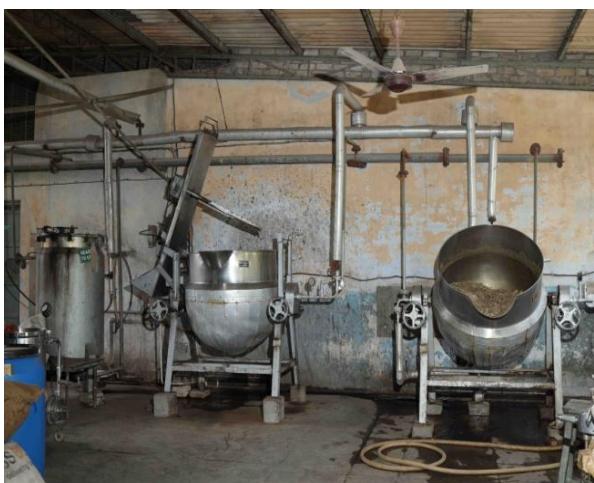




## Report on

### Industrial Visit To Shree Swami Atmanand Saraswati Ayurvedic Cooperative Pharmacy LTD (ASFA), Surat.

Held on: 04/10/2024

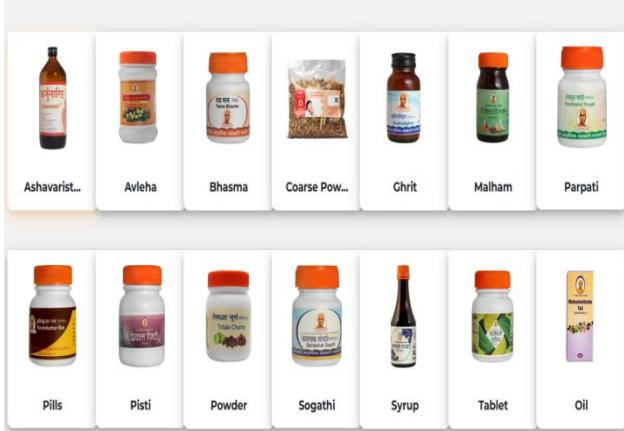




## Report on

### Industrial Visit To Shree Swami Atmanand Saraswati Ayurvedic Cooperative Pharmacy LTD (ASFA), Surat.

Held on: 04/10/2024



#### Report Submitted By:

**Name : Dr.Rashmi Korat**

**Designation : Associate Professor**

**Constituent College Name: Bhagwan Mahavir College of Pharmacy**



## Report on

Visit To Genmed Shoppers Pvt Ltd, Surat

Held on: 11/10/2024

Date of Event :	<b>11/10/2024</b>		
Name & Type of Event (online/offline)	Visit To Genmed Shoppers Pvt Ltd ,Surat		
Guest Speaker:	NA		
Conducted By	<b>Bhagwan Mahavir College of Pharmacy, Surat</b>		
No. of Participants	<b>Staff:02</b>	<b>Students:38</b>	<b>Total:40</b>
Venue:	Genmed Shoppers Pvt Ltd , Saroli, Surat.		

### INTRODUCTION:

On 11<sup>th</sup> October 2024, a group of 38 students from the II. D.Pharm program had a Visit To Genmed Shoppers Pvt Ltd, Surat Gujarat. The aim was to enhance their understanding of Entrepreneurship, marketing Commerce and drug management system. The visit was designed to expose students to real-world business scenarios, and bridge the gap between theoretical knowledge and practical implementation

### Itinerary:

The field visit proceeded as follows:

**Arrival and Welcome (1:30 PM - 1:45 PM):** The students were welcomed by Genmed Shoppers Pvt Ltd, **Chairman Mr. Praful Dhorajioa. and President Mr. Denny Dhorajioa, Surat Chemist Association** were provided the brief introduction and overview of the Genmed Shoppers Pvt Ltd and the marketing strategies.



## Report on

Visit To Genmed Shoppers Pvt Ltd, Surat

Held on: 11/10/2024

**Interactive Session (2:00 PM - 4:00 PM):** An interaction on arrangement of generic drugs either company wise or Alphabetical wise or therapeutic use wise were done at Genmed Shoppers Pvt Ltd.. The techniques applied for the purchase from companies and distributing to the retailers was taught to the students. Students had the opportunity to correlate their theoretical knowledge and practical utilization of these generic drugs Store and drug distribution system.

The students gained a knowledge of warehousing the drugs in suitable conditions like cold storage the billing system using Various softwares along with inventory control. They also acquired the knowledge of various drug schedules and their utilization.

**Q&A and Feedback Session (4:30 PM - 5:30 PM):** The day concluded with a question and answer session, where students had the opportunity to ask clarifying questions about the visit. They also provided feedback on their overall experience during the field visit.

### Conclusion:

The field visit to the Genmed Shoppers Pvt Ltd., 11<sup>th</sup> October 2024 was a valuable educational experience for the 38 participating students. The hands-on learning and exploration of the wholesale Generic agency provided students with a practical understanding of various drugs distribution system. The visit successfully bridged the gap between theoretical knowledge and real-world application, fostering a deeper interest in potential career paths within the Pharmacy field. The participation of a significant number of students added to the collaborative learning environment, making the field visit a rewarding endeavour.



## Report on

Visit To Genmed Shoppers Pvt Ltd, Surat

Held on: 11/10/2024

### Event Photographs:





## Report on

Visit To Genmed Shoppers Pvt Ltd, Surat

Held on: 11/10/2024



### Report Submitted By:

**Name : Mr. Senthil Kumar R**

**Designation : Assistant Professor**

**Constituent College Name: Bhagwan Mahavir College of Pharmacy**



## Report on

Industrial Visit to Believe International Ltd.

**Held on : 22/10/2024**

Date of Event :	22/10/2024		
Name & Type of Event (online/offline)	Industrial Visit To Believe International Ltd, Block No. 497, At-Mahuvej, Tal Mangrol, Dist.Surat-394125, Gujarat, India.		
Guest Speaker:	.....		
Conducted By	<b>Bhagwan Mahavir College of Pharmacy, Surat</b>		
No. of Participants	Staff: <b>03</b>	Students: 51	Total: 54
Venue:	Block No. 497, At-Mahuvej, Tal Mangrol, Dist.Surat-394125, Gujarat, India.		

### **INTRODUCTION:**

On October 22, 2024, a group of 51 students from the 7<sup>th</sup> semester B. Pharm program, accompanied by:

- Dr. Zarna Dedania, Professor & Head, Department of Pharmaceutical Quality Assurance
- Dr. Ronak Dedania, Professor & Head, Department of Pharmaceutics
- Mr. Vikas Maurya, Lab Technician, BMCP, BMU

visited Believe International Limited, located at Mahuvej, Tal Mangrol, Dist. Surat-394125, Gujarat, India.

Believe is establish itself as a major player in the pharmaceutical industry while manufacturing and supplying a quality-assured range of pharmaceutical products. Our medicine will be processed with only Premium quality ingredients under the strict supervision of Quality controllers having earned the trust of top doctors, we guarantee that our medicines will be among the best in the industry or market.



## Report on

Industrial Visit to Believe International Ltd.

**Held on : 22/10/2024**

As we are an ISO 9001:2015, WHO-GMP & PICS Certified company. Our wide range of pharmaceutical products can be indiscriminately trusted.

We believe that our relationship with customers is the most important thing, and our continued growth is a testimony to that. By continuously growing and creating new opportunities, we strive to make the world a healthier place. We are committed to delivering integrated solutions that address key issues in healthcare, including current needs and future opportunities. Our expertise lies in identifying and resolving complex problems for global healthcare models.

### **EVENT STRUCTURE:**

#### **The Industrial visit proceeded as follows:**

The students were welcomed to the **Believe International Ltd.** by Mr. Chetan Ramoliya and were provided with an overview of the Industrial visit. During the visit the students visited the various departments of the industry i.e.

### **Formulation & Development**

#### **Our product formulation services include:**

- Formulation of generic drugs to achieve bioequivalence.
- Modification of existing drug formulations to improve their efficacy and safety.
- Development of sustained-release, extended-release, or controlled-release drug formulations.
- Reformulation of poorly soluble or poorly absorbed drugs to improve their bioavailability.
- Development of combination drug products.

### **Safety, Efficiency & Quality**

Our F&D team is dedicated to ensuring the safety, efficiency, & quality of our pharmaceutical products. We follow a rigorous process that includes pre-formulation studies, formulation development, optimization of formulation, stability studies, & scale-up to commercial production.

### **Improvement & Innovation**



## Report on

Industrial Visit to Believe International Ltd.

**Held on : 22/10/2024**

Our F&D department is committed to continuous improvement and innovation to develop pharmaceutical products that make a difference in people's lives. We are always looking for new technologies approaches, and strategies to create better, safer, and more effective drug formulations.

### **Quality Management**

The Quality assurance department is essential in guaranteeing that our final products are safe, efficient, and compliant with stringent regulations. Our team of experienced professionals are dedicated to maintaining the highest standards of quality in every stage of the product life cycle, from product development to post-market surveillance.

Ensuring the safety, efficacy, and dependability of the products is crucial in the pharmaceutical industry. Quality is the foundation of our reputation and the faith that our clients have in us; it is not just a catchphrase. As a result, upholding the highest levels of quality at BELIEVE is everyone's joint responsibility.

We place a high priority on following applicable legal requirements and Good Manufacturing Practices (GMP) in order to meet quality standards.

### **Pharmaceutical Quality Management System include several Process such as**

- Document Management
- Change Control
- Audit Management
- Training
- CAPA Management
- Deviation / Incident Management
- Market complaint & Recall
- Product Quality review
- Out of Specification / Trend (OOS / OOT) etc.....



## Report on

Industrial Visit to Believe International Ltd.

**Held on : 22/10/2024**

## Production

### Tablets & Capsules

Our solid oral dosage forms include Tablets and Capsules. Our team of experts carefully considers the active ingredients, excipients, and dosage forms to develop formulations that are safe, effective, and easy to swallow.

Our solid oral dosage forms are designed to deliver the active ingredients quickly and efficiently, ensuring that our customers will get the maximum benefits from our products.

### Dry Syrup

Dry Syrup for oral solution/Suspension are pharmaceutical formulations that are designed to be reconstituted with a specified amount of water or other suitable vehicle to form a clear or cloudy solution/suspension.

### Pellets

One of India's fastest-growing pharmaceutical companies, renowned for its cutting-edge drug delivery systems and solid scientific background in the production of sustained and customized release pellets. Our mission is to deliver high-quality, safe, effective, and easily available products, and we are always striving toward this goal.

### Syrup & Suspension

The oral liquid formulation's antimicrobial preservative system will provide and demonstrate its effectiveness to the appropriate regulatory body. Extra precautions are taken to guarantee that, when stored properly, there won't be any precipitation in oral solutions or sedimentation in oral suspensions. We ensure that we must implement stringent internal in process controls, including manufacturing, filling and packing activity at every stage.

### Topical Creams & Ointments



## Report on

Industrial Visit to Believe International Ltd.

**Held on : 22/10/2024**

Pharmaceutical ointments are therapeutic preparations that deliver medications to the affected areas on different topical regions of our body. Ointments are viscous, unctuous, semisolid preparations containing either dissolved or suspended functional ingredients.

### **Conclusion:**

This report presents an overview of the industrial visit conducted at **Believe International Ltd** on dated 22 October 2024. The primary objective of the tour was to gain practical insights into the company's operational processes and technological advancements. During the visit, participants observed key production lines, manufacturing techniques, and quality control measures in action. The tour also included detailed discussions with industry professionals about their roles, challenges and innovations within the sector. Key findings highlight the integration of modern technologies such as automation and data analytics, which have significantly enhanced efficiency and product quality. This report encapsulates the critical observations and learning outcomes from the visit, offering valuable perspectives on contemporary industrial practices and their implications for future industry trends.

We are heartfelt thankful to **Mr. Rajni Mugra**, Director of **Believe International Ltd** for her continuous guidance and support throughout the visit.

### **PROGRAM:**

Departure from college 7:00 AM

Arrival to Company: 9:00 AM

Welcome and Introduction 9:00 to 9:30 AM

Industry Visit 9:30 to 1:00 PM

Lunch: 1:00 to 2:00 PM

Departure from Industry: 2:15 PM

Arrival to college 4:00 PM



## Report on

Industrial Visit to Believe International Ltd.

**Held on : 22/10/2024**

### Event Photographs:





## Report on

Industrial Visit to Believe International Ltd.

**Held on : 22/10/2024**



### Report Submitted By :

**Name : Mr. Vikas Maurya**

**Designation : Lab Technitian**

**Constituent College Name : Bhagwan Mahavir College of Pharmacy**



<b>Date of event :</b>	15/12/2024
<b>Name of Event:</b>	<b>FREE MEDICAL CAMP AT BHIMPORE VILLAGE</b>
<b>Event Convener</b>	Mrs. Drashti Mandlik, Dr. Shailja Saparia
<b>Conducted By</b>	Bhagwan Mahavir College of Pharmacy
<b>No. of Participants</b>	150 Participants

#### **INTRODUCTION:**

The Bhagwan Mahavir College of Pharmacy organized a free health check-up camp at Bhimpore village, aimed at providing healthcare services to the local community.

The primary objective of the health check-up camp was to promote health awareness and provide basic medical services to the residents of Bhimpore Village and its surrounding areas. The camp aimed to identify health issues early, offer medical advice, and refer serious cases for further treatment.



### **EVENT STRUCTURE:**

Bhagwan Mahavir College of Pharmacy run under Bhagwan Mahavir University organized free health check-up camp at Bhimpore Village on 15-12-2024.

Health checkup camp was started at 11.00 AM by Induration ceremony after on-wards the camp began with registration of participants to record demographic details and medical history.

After the registration, Our B.Pharm and Diploma 2<sup>nd</sup> year students with the Team conducted comprehensive medical examinations, including blood pressure measurement, Diabetes, Blood Group Analysis, BMI calculation, and general health assessment.

Then after Educational sessions were conducted on various health topics such as hygiene, nutrition, and disease prevention. Pamphlets and brochures containing essential health information were distributed among the attendees.

Personalized medical advice and recommendations were provided to each individual. Cases requiring specialized medical attention were referred to nearby healthcare facilities for further diagnosis and treatment.

The health check-up camp received an overwhelming response from the local community, with a large number of residents availing themselves of the medical services offered. The initiative was highly appreciated by the residents, who expressed gratitude towards the Bhagwan Mahavir Pharmacy college of Pharmacy for organizing the camp.

The health check-up camp at Bhimpore Village by Bhagwan Mahavir Pharmacy college of Pharmacy was a resounding success, fulfilling its objective of providing essential healthcare services to the underserved population. The event not only facilitated early detection and management of health issues but also empowered individuals with knowledge to lead healthier lives. Such initiatives play a crucial role in promoting community health and well-being, embodying the spirit of social responsibility and service.

Lastly, we extend our sincere gratitude to all the Students volunteers and supporting staff who contributed to the success of the health check-up camp. Special thanks to the people of Bhimpore for their valuable support and cooperation in organizing the event.



**Event Photographs:**





**Report for activities  
Held on: 15-12-2024  
Health Check-up Camp**





**Report Submitted By:**

**Mrs. Drashti Mandlik**

Assistant Professor Department of Pharmacology Bhagwan  
Mahavir College of Pharmacy



**Report on  
“Republic Day - 2024”  
Held on: 26/01/2024**

Date of Event:	26/01/2024		
Name of Event	Republic Day- 2024		
Conducted By	Bhagwan Mahavir University		
No. of Participants	Staff: 550	Students: 100	Total: 650
Venue:	BMIS Ground		

**Brief Introduction to Event: -**

Bhagwan Mahavir University, Surat had Celebrated 75 rd Republic Day on 26th January, 2024. The event was inaugurated at 9 A.M. in the Presence of Chief Guest, Managing trustees of BMU and Staff Members of Bhagwan Mahavir University. In the Presence of All Members Flag Hosting ceremony celebrated. All other members of university including Students at BMIS.Cultural events like Solo Singing ,Dance, Poetry was Performed by different Students of University and School.

**Event Photographs:**



**Report on  
“Republic Day - 2024”  
Held on: 26/01/2024**





**Report on**  
**“Republic Day - 2024”**  
Held on: 26/01/2024

**Report Submitted By:**

**Name** :Ms. Prakruti Desai , Assistant Professor

**Designation** : Cultural Coordinators

**Constituent College Name:** Bhagwan Mahavir College of Pharmacy



**Report on  
“One Day Workshop”**

Held on: 08/02/2025

Date of Event:	08/02/2025		
Name & Type of Event: (online/offline)	One Day Workshop		
Conducted By:	BMCP		
No. of Participants:	Staff: 10	Students: 40	Total: 50
Venue:	402, Seminar Hall, BMCP		

**INTRODUCTION:**

One-Day Workshop on Hydrodynamic Analysis of Drugs, with a special focus on Green Analytical Techniques that eliminate the use of harmful organic solvents. This workshop has been thoughtfully organized for both teachers and students, aiming to introduce and explore an eco-friendly, innovative approach in pharmaceutical analysis. This technique utilizes hydrodynamic agents to enhance the solubility of poorly water-soluble drugs—thereby avoiding the need for hazardous, volatile organic solvents traditionally used in analytical methods. Through this workshop, participants will gain valuable insights into the principles, applications, and advantages of hydrodynamic solubilization, alongside hands-on experience in practical sessions.

**PROGRAM:**

The Bhagwan Mahavir College of Pharmacy successfully conducted a One-Day Workshop on Hydrodynamic Analysis of Drugs, emphasizing environmentally friendly or "green" analytical methods. The workshop was graced by the presence of Dr. R.K. Maheshwari, who served as the resource person for the event. The program commenced at 10:30 AM with the traditional lamp lighting ceremony. This was followed by a warm welcome and brief introduction of Dr. Maheshwari by our respected Director, Dr. Vineet C. Jain.

Dr. Maheshwari then delivered an insightful and engaging lecture lasting about 1.5 hours, where he discussed the principles and applications of Hydrodynamic Analysis and its role in promoting green analytical chemistry. His presentation offered valuable perspectives on replacing hazardous organic solvents with safer alternatives, aiming to make pharmaceutical analysis more sustainable.

Following the theoretical session, participants moved on to the practical demonstration segment, where Dr. Maheshwari guided students through various experimental techniques such as Thin Layer Chromatography



# Report on “One Day Workshop”

Held on: 08/02/2025

(TLC), titrations, and other relevant methods. These hands-on sessions greatly enhanced the participants' understanding and enthusiasm.

The workshop concluded at 3:00 PM, leaving the attendees enriched with knowledge and inspired to adopt greener practices in pharmaceutical research and education. Students and faculty alike appreciated the interactive format and the depth of information shared throughout the day.

## EVENT PHOTOGRAPHS:





**Report on  
“One Day Workshop”**

Held on: 08/02/2025

**Report Submitted By:**

**Name** : Mrs. Yugma Desai

**Designation** : Assistant Professor

**Constituent College Name:** Bhagwan Mahavir College of Pharmacy



**REPORT ON**

**“Two Days Online Refreshser Course for Registered  
Pharmacist”**

**Held On: 15<sup>th</sup> & 16<sup>th</sup> February 2025**

Date of Event	15 <sup>th</sup> & 16 <sup>th</sup> February 2025					
Name & Type of Event (online/offline)	“TWO DAYS ONLINE REFRESHSER COURSE FOR REGISTRED PHARMACIST” (Online)					
Guest Speaker	Dr. Sanjay Buch Mr. Bhikha bhai Goyani Mr. Gilbert Macwan					
Conducted by	BHAGWAN MAHAVIR COLLEGE OF PHARMACY					
No of Participants	Staff		Participant		Total	
	Male	Female	Male	Female	Male	Female
	02	05	271	229	273	234
Venue	Zoom Platform					

### **INTRODUCTION:**

The "Two Days Online Refresher Course for Registered Pharmacists" is a comprehensive program sponsored by the Gujarat State Pharmacy Council and organized by Bhagwan Mahavir College of Pharmacy. This course is designed to cater to the ongoing professional development needs of registered pharmacists. It is essential for pharmacists to stay up-to-date with the latest advancements in the field to ensure that they provide safe and effective pharmaceutical services to the community. The course is scheduled to take place on the 15<sup>th</sup> and 16<sup>th</sup> of February 2025, for two days. The detailed schedule ensures that participants can gain valuable insights and knowledge in a structured and time- efficient manner.

### **EVENT STRUCTURE:**

The course spans two days and covers a wide range of topics relevant to contemporary pharmacy practice. It includes lectures and interactive sessions conducted by esteemed resource persons in the field.

Here's a brief overview of the event structure:



**REPORT ON**

**“Two Days Online Refreshser Course for Registered  
Pharmacist”**

**Held On: 15<sup>th</sup> & 16<sup>th</sup> February 2025**

**Day 1 (15<sup>th</sup> February 2025):**

- Inauguration Ceremony
- Lectures on topics such as Good Storage Practices, Drug Interactions, Self Medication, and Ethical Pharmacy Practice.

**Day 2 (16<sup>th</sup> February 2025):**

- Sessions covering the Role of Pharmacist in cholesterol management, Drug Information on Patient Counselling, and Common Symptoms like fever & vomiting management options.
- An Online Objective Exam and Feedback Submission.
- Exam Evaluation.
- Valedictory Ceremony.

**ABOUT THE SPEAKER:**

Dr. Sanjay Buch, IQAC Director, BMU.

Mr. Bhikabhai Goyani, Vice President, GSPC.

Mr. Gilbert C. Macwan, Additional Registrar, GSPC.

**PROGRAM:**

The "Two Days Online Refresher Course for Registered Pharmacists" was sponsored by the Gujarat State Pharmacy Council and organized by Bhagwan Mahavir College of Pharmacy. It commenced with an inaugural ceremony moderated by Dr. Bhavini Gharia. Dr. Vineet C Jain extended a warm welcome to the participants, followed by the Presidential Address by Dr. Sanjay Buch. The ceremony reached its pinnacle with the distinguished Chief Guest, Mr. Bhikabhai Goyani, Vice President, GSPC and Mr. Gilbert C. Macwan, Additional Registrar, GSPC, sharing insights and wisdom. The enlightening lectures on Day 1 included Dr. Ketan Shah who



**REPORT ON**

**“Two Days Online Refreshser Course for Registered  
Pharmacist”**

**Held On: 15<sup>th</sup> & 16<sup>th</sup> February 2025**

discussed good storage practices, and Dr. Ankit Merai, who highlighted the drug interactions. Following a lunch break, Dr. Sonia Chandani elaborated on the Self-medication and Dr. Velenti Chauhan who discussed on Ethical pharmacy practice.

On Day 2, the refresher course continued its mission to empower registered pharmacists with relevant knowledge and skills. Dr. Sachin Narkhede, Principal, Smt BNB Swaminarayan pharmacy college, elucidated the Role of pharmacist in cholesterol management. Dr. Ketan Ranch, an Associate Professor at L. M. College of Pharmacy, shared insights on drug information in patient counselling. Dr. Pruthviraj Thakor, B.A.M.S, delved into the common symptoms like fever and vomiting management options. The valedictory ceremony marked the successful conclusion, with Dr. Vineet C Jain given a Concluding Remarks, Mr. Gilbert C. Macwan as Chief Guest, and certificates and results announced. Dr. Bhavini Gharia extended a Vote of Thanks, concluding a successful course for registered pharmacists' professional development.

**PROGRAM OUTCOME:**

Participants gained a deeper understanding of contemporary pharmaceutical practices, including topics like drug interactions, good storage practice, Ethical pharmacy practice, patient counselling and management options.

Pharmacists were equipped with the latest knowledge and skills, ensuring their growth and relevance in the dynamic field of pharmacy.

Successful participation in the refresher course was essential for the renewal of the pharmacist's registration, allowing them to continue serving their community.



## BHAGWAN MAHAVIR UNIVERSITY

### REPORT ON

“Two Days Online Refreshser Course for Registered Pharmacist”

Held On: 15<sup>th</sup> & 16<sup>th</sup> February 2025

### POSTER CREATIVE:

**INVITATION**



**TWO DAYS ONLINE REFRESHER COURSE FOR  
REGISTERED PHARMACIST**

SPONSORED BY  
**GUJARAT STATE PHARMACY COUNCIL**  
ORGANIZED BY  
**BHAGWAN MAHAVIR COLLEGE OF PHARMACY**

*We cordially invite you to Inaugural ceremony of Gujarat State Pharmacy Council, Ahmedabad sponsored Two Days online Refresher Course for Registered Pharmacist organized by Bhagwan Mahavir College of Pharmacy.*

**CHIEF GUEST**  
**Mr. Bhikhabhai Goyani**  
**Vice President, GSPC**

**DATE:** 15<sup>th</sup> FEBRUARY 2025

**TIME:** 10:30 AM ONWARDS

**INVITEES**

**CO-ORDINATOR**  
**DR. BHAVINI GHARIA**

**COURSE DIRECTOR**  
**DR. VINEET C. JAIN**

**CO-COORDINATOR**  
**MRS. RICHA VASAVA**

+91 9428139472 | [www.bmusurat.ac.in](http://www.bmusurat.ac.in) | Email- [director.bmcp@bmu.ac.in](mailto:director.bmcp@bmu.ac.in)

Bhagwan Mahavir University, VIP Road, Surat, 395007



**BHAGWAN  
MAHAVIR  
UNIVERSITY**

REPORT ON

“Two Days Online Refreshser Course for Registered Pharmacist”

Held On: 15<sup>th</sup> & 16<sup>th</sup> February 2025

## INVITATION



### **TWO DAYS ONLINE REFRESHER COURSE FOR REGISTERED PHARMACIST**

SPONSORED BY

**GUJARAT STATE PHARMACY COUNCIL**

ORGANIZED BY

**BHAGWAN MAHAVIR COLLEGE OF PHARMACY**

*We cordially invite you to Valedictory ceremony of Gujarat State Pharmacy Council, Ahmedabad sponsored Two Days online Refresher Course for Registered Pharmacist organized by Bhagwan Mahavir College of Pharmacy.*

**DATE:** 16<sup>th</sup> FEBRUARY 2025

**TIME:** 03:00 PM ONWARDS

#### **CHIEF GUEST**

**Mr. Gilbert C. Macwan**

**Additional Registrar, GSPC**

#### **INVITEES**

**CO-ORDINATOR**

**DR. BHAVINI GHARIA**

**COURSE DIRECTOR**

**DR. VINEET C. JAIN**

**CO-COORDINATOR**

**MRS. RICHA VASAVA**

+91 9428139472 | [www.bmusurat.ac.in](http://www.bmusurat.ac.in) | Email- [director.bmcp@bmu.ac.in](mailto:director.bmcp@bmu.ac.in)

Bhagwan Mahavir University, VIP Road, Surat, 395007



**BHAGWAN  
MAHAVIR  
UNIVERSITY**

REPORT ON

“Two Days Online Refreshser Course for Registered Pharmacist”

Held On: 15<sup>th</sup> & 16<sup>th</sup> February 2025



**Gujarat State Pharmacy Council**

**Sponsored**

**“Two Days Online Refresher Course For  
Registered Pharmacist”**

**On**

**15<sup>th</sup> & 16<sup>th</sup> February, 2025**

**Organized By**

**Bhagwan Mahavir College of Pharmacy**

**(Bhagwan Mahavir University)**

**VIP Road, Vesu, Surat**

**Instruction for Registration**

1. For registration, log in to your GSPC portal and apply for the Refresher Course.
2. For attending refresher course, the Zoom platform will be used. For every Lecture there will be a different zoom link, which you can log in through your GSPC Portal.
3. Attendance in all lectures is compulsory.
4. At the end of the second day, an objective test will be conducted. It is compulsory to appear for an objective test.

**Course Director**

**Dr. Vineet Jain  
(Principal, BMCP)**

**For Any Query, You Can Contact**

**Co-ordinator: Dr. Bhavini Gharia (9662539138)**

**Co-coordinator: Mrs. Richa Vasava (7567051983)**



**BHAGWAN  
MAHAVIR  
UNIVERSITY**

**REPORT ON**

**“Two Days Online Refreshser Course for Registered Pharmacist”**

**Held On: 15<sup>th</sup> & 16<sup>th</sup> February 2025**



**“Two Days Online Refresher Course For Registered Pharmacist”**

**Organized By  
Bhagwan Mahavir College of Pharmacy  
Programme Schedule**

<b>Day 1 (15<sup>th</sup> Februry 2025, Saturday)</b>		
<b>Time</b>	<b>Resource Person</b>	<b>Topic Name</b>
10:30 AM -11.00 AM	<b>Inauguration Ceremony</b>	
11.00AM-12.00 PM	<b>Dr. Ketan Shah</b> , Principal, Shree Naranjibhai Laljibhai Patel College Of Pharmacy, Umrakh.	Good Storage Practices
12.00AM-01.00 PM	<b>Dr. Ankitkumar H. Merai</b> , Associate Professor, Shri G.M.Bilakhia College of Pharmacy, Vapi.	Drug Interactions
01.00 PM-02.00PM	<b>Lunch Break</b>	
02.00PM-03.00PM	<b>Dr. Sonia Chandani</b> MD,DGO,FCPS(MUMBAI)	Self Medication
03.00PM-04.00PM	<b>Mrs. Velenti Chauhan</b> , Assistant Professor, Bhagwan Mahavir College of Pharmacy.	Ethical Pharmacy Practice
<b>Day 2 (16<sup>th</sup> Februry 2025,Sunday)</b>		
11:00 AM-12:00PM	<b>Dr. Sachin Narkhede</b> , Principal, Smt. BNB Swaminarayan Pharmacy College, Salvav, Vapi.	Role of Pharmacist in cholesterol management
12:00 PM-01:00PM	<b>Dr. Ketan Ranch</b> , Associate Professor, L.M. College of Pharmacy.	Drug Information on Patient Counselling
01:00PM-02:00PM	<b>Lunch Break</b>	
02:00PM-03:00PM	<b>Dr. Pruthviraj Thakor</b> B.A.M.S	Common Symptoms like fever and vomiting management options.
03:00PM-03:30PM	<b>Online Objective Exam and Feedback Submission</b>	
03:30PM-04:00 PM	<b>Valedictory Ceremony</b>	

Course Coordinator  
**Dr. Bhavini. K Gharia**

Course Co-coordinator  
**Mrs. Richa Vasava**

Course Director  
**Dr. Vineet .C Jain**



# BHAGWAN MAHAVIR UNIVERSITY

## REPORT ON

### “Two Days Online Refreshser Course for Registered Pharmacist”

Held On: 15<sup>th</sup> & 16<sup>th</sup> February 2025



**REPORT ON**

**“Two Days Online Refreshser Course for Registered  
Pharmacist”**

**Held On: 15<sup>th</sup> & 16<sup>th</sup> February 2025**

**Report Submitted By:**

**Name:** 1) Dr. Bhavini Gharia 2) Mrs. Richa Vasava

**Designation:** Associate Professor Assistant Professor

**Constituent College Name:** Bhagwan Mahavir College of Pharmacy



**Report on  
“Sports Day-2025”**

Held on: 20/02/2025 to 01/03/2025

Date of Event:	20/02/2025 to 01/03/2025		
Name & Type of Event: (online/offline)	SPORTS DAY-2025		
Conducted By:	BMCP		
No. of Participants:	Staff: 10	Students: 70	Total: 80
Venue:	Administrative Building, Sports Ground , BMU		

**INTRODUCTION:**

It's a proud and exciting moment as we welcome you all to our much-awaited University Sports Day. Sports have a unique way of bringing people together, building character, and teaching resilience. Sports teach us teamwork, discipline, and how to rise after every fall. Whether you win or lose, give your best and enjoy every moment.

**PROGRAM:**

Bhagwan Mahavir University, Surat, proudly organized its annual Sports Day celebrations from 20th February to 1st March 2025. The campus was buzzing with excitement as students, faculty, and staff came together to witness and participate in this grand sporting spectacle. The event was a true celebration of physical strength, endurance, discipline, and team spirit. A wide range of outdoor games were organized, including Cricket, Kabaddi, Kho-Kho, Volleyball, and Basketball. These events saw intense competition, enthusiastic cheering, and some truly remarkable athletic performances. Alongside the outdoor competitions, a series of indoor games were also held, offering a perfect balance for students who enjoy precision and focus-based sports. Events like Carrom, Badminton, and Table Tennis drew large crowds and displayed sharp reflexes and impressive technique from participants. The Pharmacy students stood out with their active involvement in all categories of games. Their spirit, sportsmanship, and teamwork added a special charm to the event. From the cricket field to the badminton court, they played with passion and dedication, making the department proud. Sports Day provided students with an opportunity to take a break from academics, build camaraderie, and create lasting memories.



# Report on “Sports Day-2025”

Held on: 20/02/2025 to 01/03/2025

## EVENT PHOTOGRAPHS:



## Report Submitted By:

**Name** : Mrs. Yugma Desai

**Designation** : Assistant Professor

**Constituent College Name:** Bhagwan Mahavir College of Pharmacy



**REPORT ON**

**GPAT DISCUSSION CENTRE FOR PHARMACY  
STUDENTS(15<sup>th</sup> Febuaray 2025)**

Date of Event	15 <sup>th</sup> February 2025					
Name & Type of Event (online/offline)	GPAT DISCUSSION CENTRE FOR PHARMACY STUDENTS ( B.PHARMA AND D.PHARMA) (ONLINE MODE)					
Guest Speakers	Mr Pratyush Swarnkar (Speaker for online lecture) TITLE: Empowering Future Pharmacist, Skill development and exam Success and competitive Exams.					
Conducted by	BHAGWAN MAHAVIR COLLEGE OF PHARMACY					
No of Participants	Staff		Participant		Total	
	Male	Female	Male	Female	Male	Female
	02	15	40	52	42	67
Venue	402, Seminar Hall, Bhagwan Mahavir College of Pharmacy					



**REPORT ON**

GPAT DISCUSSION CENTRE FOR PHARMACY  
STUDENTS(15<sup>th</sup> Febuaray 2025)

**INTRODUCTION:**

GDC Lectures Online (GPAT Discussion Center) is a specialized digital learning platform designed for pharmacy students and professionals preparing for competitive examinations like GPAT, NIPER, and various pharmacist and drug inspector exams. It provides a comprehensive suite of educational resources including live and recorded video lectures, test series, notes, and interactive practice modules, all accessible through the GDC Live App and associated websites.

**EVENT STRUCTURE:**

It includes lectures and interactive sessions conducted by esteemed resource persons in the field.

Here's a brief overview of the event structure:

<b><i>Sr No</i></b>	<b><i>Date</i></b>	<b><i>Event</i></b>
1	10:00– 10:30AM	Welcome address, objectives, and program overview
2	10:30– 11:30AM	Understanding GPAT Pattern, Syllabus, and Strategy
3	11:30– 12:30PM	Pharmaceutical Chemistry – Conceptual Discussion
4	12:30–1:30PM	Pharmacognosy – Key Topics & Mnemonics
5	01:30– 02:00PM	Quiz and discussions.



**REPORT ON**

**GPAT DISCUSSION CENTRE FOR PHARMACY  
STUDENTS(15<sup>th</sup> Febuaray 2025)**

This structure ensures a balanced engagement comprising knowledge sharing, creative expression, professional development, and community responsibility.

The GPAT Discussion Centre Interactive Lectures are a structured academic initiative designed to help pharmacy students prepare effectively for the Graduate Pharmacy Aptitude Test (GPAT) through interactive, concept-based learning sessions.

Unlike conventional lecture formats, this program emphasizes student participation, discussion-based problem solving, and real-time clarification of doubts. The goal is to strengthen conceptual understanding, improve analytical ability, and boost exam confidence.

These interactive sessions combine expert guidance, topic-based quizzes, and peer learning discussions to create an engaging and collaborative academic environment.



**REPORT ON**

**GPAT DISCUSSION CENTRE FOR PHARMACY  
STUDENTS(15<sup>th</sup> Febuaray 2025)**

**PROGRAM OUTCOME:**

The event outcomes included

- Build a strong conceptual foundation in all core GPAT subjects.
- Enhance analytical and problem-solving skills through guided discussions.
- Promote collaborative learning and peer-based knowledge exchange.
- Familiarize students with GPAT question patterns and exam strategies.
- Encourage consistent practice, motivation, and self-assessment.

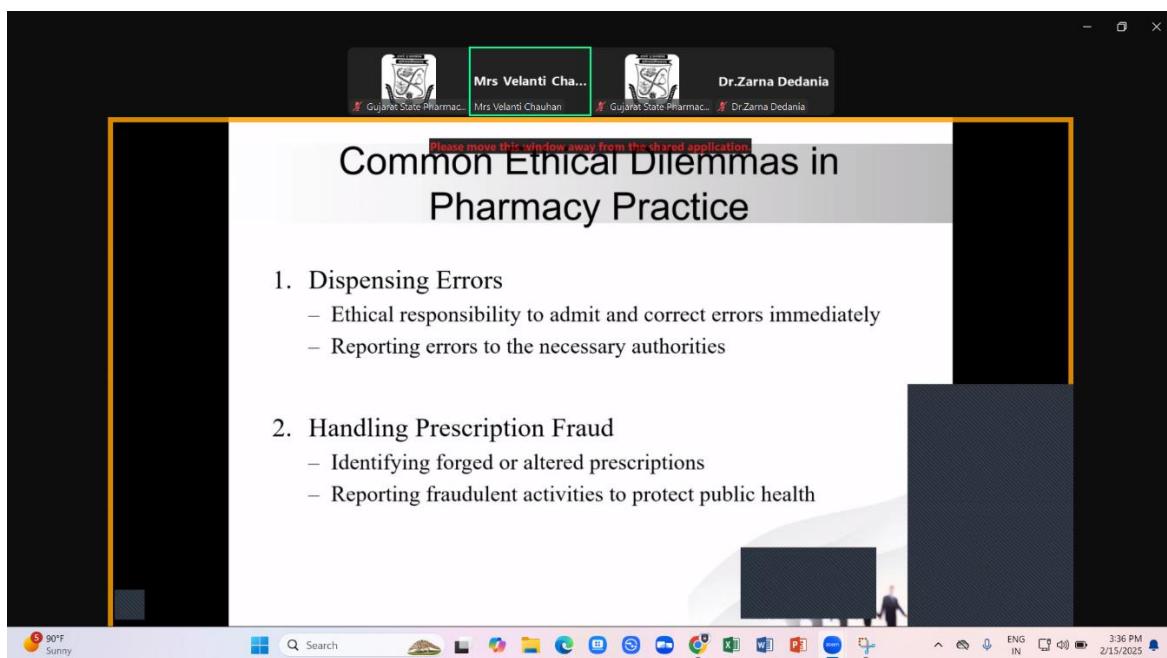


**BHAGWAN  
MAHAVIR  
UNIVERSITY**

## REPORT ON

GPAT DISCUSSION CENTRE FOR PHARMACY  
STUDENTS(15<sup>th</sup> Februaray 2025)

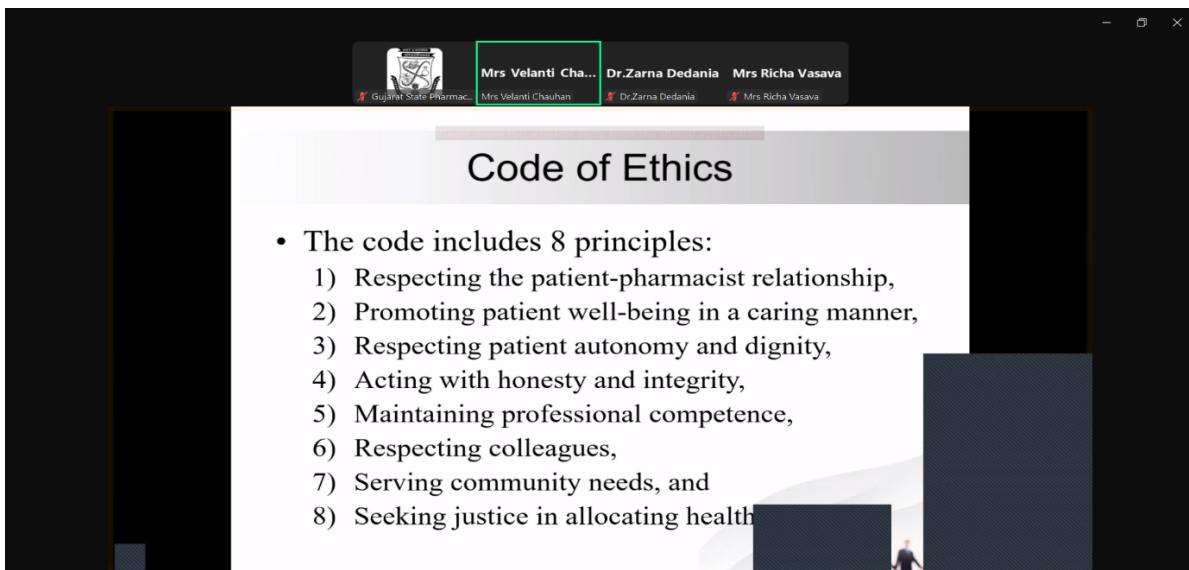
### PHOTO GALLERY





**REPORT ON**

**GPAT DISCUSSION CENTRE FOR PHARMACY  
STUDENTS(15<sup>th</sup> Febuaray 2025)**





**BHAGWAN  
MAHAVIR  
UNIVERSITY**

**REPORT ON**

**GPAT DISCUSSION CENTRE FOR PHARMACY  
STUDENTS(15<sup>th</sup> Febuaray 2025)**

**Report Submitted By:**

**Name:** 1) Dr Bhavini Gharia

**Designation:** Associate Professor

**Constituent College Name:** Bhagwan Mahavir College of Pharmacy



**Report on**  
**“Days Celebration 2025”**  
Held on: 03/03/2025 To 08/03/2025

Date of Event:	03/03/2025 To 08/03/2025		
Name of Event	Days Celebration		
Conducted By	Bhagwan Mahavir University		
No. of Participants	Staff: 15	Students: 180	Total: 195
Venue:	BMCP		

**Brief Introduction to Event: -**

The main purpose of this program was to provide a platform to the students to show their talent and improve their sports activity, presentation skills, communication skills and creativity. Bhagwan Mahavir College of Pharmacy Was celebrated Days. Which includes Mis Match Day Traditional day, Denim Day, Retro Day , Group Theme Day with Musical Morning & Twin Day and in sports there are Cricket Tug of War & Seven Stone , All the Students took part in celebration. Competition for all the days held for Students & Faculties.



**Report on  
“Days Celebration 2025”  
Held on: 03/03/2025 To 08/03/2025**

**Event Photographs:**





**Report on**  
**“Days Celebration 2025”**  
Held on: 03/03/2025 To 08/03/2025



**Report Submitted By:**

**Name** :Ms. Prakruti Desai , Assistant Professor

**Designation** : Cultural Coordinators

**Constituent College Name:** Bhagwan Mahavir College of Pharmacy

## CHAPTER 8 INITIATIVES TAKEN BY SUSTAINABILITY

The institution actively promotes environmental awareness and energy conservation among students and staff.

### EVENTS HELD IN BHAGWAN MAHAVIR COLLEGE OF PHARMACY

Sr. No	Date	Name of Activities
1.	20/08/2024	Water Conservation
2.	22/08/2024	Soil Sculpture



## Report for activities

Held on: 20-08-2024

One week for Nation

**Water Conservation by Shipra Pathak, Water Woman**

<b>Date of event :</b>	20-08-2024
<b>Name of Event:</b>	Water Conservation Session by Water Woman Shipra Pathak
<b>Event Coordinators</b>	Mrs. Velenti Chauhan
<b>Conducted By</b>	Bhagwan Mahavir College of Pharmacy
<b>No. of Participants</b>	70

### INTRODUCTION:

Bhagwan Mahavir University celebrates One Week for Nation every year after Independence Day. This Year the Theme for One Week for Nation is **Paryavaran, an Environment**. These include different competition and events for development, awareness as well as motivate Students about Nation. As a part of One Week for Nation BMU organized one Expert Session on **Water Conservation** on Environment related theme.

### EVENT STRUCTURE:

Bhagwan Mahavir University, Environment & NSS Cell Organized Students Activities under celebration of One Week for Nation 2K24 from 16th August to 23rd August 2023. Part of this one Experet session was organized by Bhagwan Mahavir College of Pharmacy. Session was started with arrival of our chief guest **Shipra Pathak**, Water Woman. **Dr. Vineet Jain**, Director BMCP gives Welcome note.

Then Session was started with laud cheers by student for water woman Shipra Pathak. She gives various ideas about the Water. How Water have been Conserve. Students were very enjoying interacting with the guest. Lastly the session was ended with National Anthem.



**Report for activities**  
Held on: 20-08-2024  
One week for Nation  
**Water Conservation by Shipra Pathak, Water Woman**

**Event Posters:**





## Report for activities

Held on: 20-08-2024

One week for Nation

**Water Conservation by Shipra Pathak, Water Woman**

### Event Photographs:



### Report Submitted By:

**Mrs. Velenti Chauhan**

Event Coordinator

Bhagwan Mahavir College of Pharmacy



<b>Date of event :</b>	22-08-2024
<b>Name of Event:</b>	Soil Sculpture
<b>Event Coordinators</b>	Mrs. Velenti Chauhan, Mrs. Prakruti Desai
<b>Conducted By</b>	Bhagwan Mahavir College of Pharmacy
<b>No. of Participants</b>	12

### **INTRODUCTION:**

Bhagwan Mahavir University celebrates One Week for Nation every year after Independence Day. This Year the Theme for One Week for Nation is **Paryavaran, an Environment**. These include different competition and events for development, awareness as well as motivate Students about Nation. As a part of One Week for Nation BMU organized one competition i.e. **Soil Sculpture** on Environment related theme.

### **EVENT STRUCTURE:**

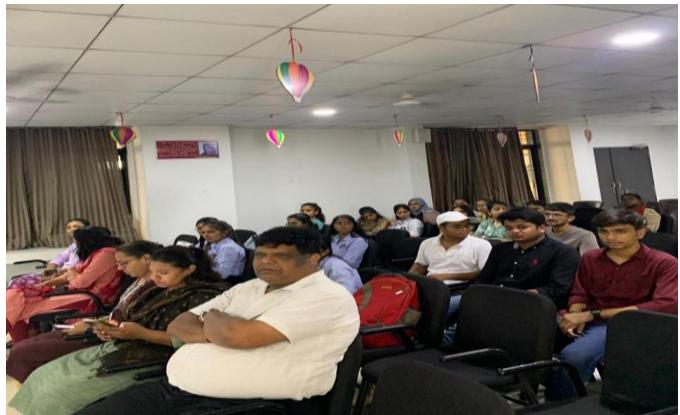
Soil Sculpture competition was organized by **Bhagwan Mahavir college of Pharmacy on 22<sup>nd</sup> August 2024**. Student from various colleges of BMU actively participated in competition. Activity was inaugurated at 11:00 AM by Jury members and **Dr. Vineet Jain** Director, BMCP with Welcome Note. Then Event Coordinator **Mrs. Velenti Chauhan** introduces activity with the rules, regulations and guidelines. After the Inauguration activity was started at BMCP Seminar Hall.

Students made eco-friendly Sculpture to justify the theme and present their innovative idea through excellent Sculpture which is made from soil. Then Jury members of the competition start their evaluation and visit Sculpture one by one. Lastly they declare best 2 Sculpture Winners name in Valedictory function which is witness by **Dr. Vijay Matawala**, Registrar, BMU. Lastly the program was concluded with National anthem.



**Report for activities  
Held on: 22-08-2024  
One week for Nation  
Soil Sculpture**

**Event Photographs:**





**Report for activities  
Held on: 22-08-2024  
One week for Nation  
Soil Sculpture**



**Report Submitted By:**

**Mrs. Velenti Chauhan**

Event Coordinator

Bhagwan Mahavir College of Pharmacy

## CHAPTER 9 SOCIAL SERVICES AND COMMUNITY SERVICES

The college demonstrates strong social responsibility through its active **NSS unit**, organizing impactful community-based events.

### EVENTS HELD AT BHAGWAN MAHAVIR PHARMACY COLLEGE

<b>Sr. No</b>	<b>Date</b>	<b>Name of Activities</b>
1.	17/09/2024 to 02/10/2024	Clean India and Healthy India
2.	15/12/2025	NSS Special Camp



## Report on

“Dumas beach cleaning”

Held on: 01/10/2024 Tuesday

Date of Event:	01/10/2024, Tuesday		
Name & Type of Event (online/offline)	Dummas beach cleaning		
Conducted By	Bhagwan Mahavir University Environment Cell & NSS team under the SWACHHATA HI SEVA 2024		
No. of Participants	Staff: 02	Students: 09	Total: 11
Venue:	Dummas beach		

### **INTRODUCTION:**

Clean beaches are essential to healthy coastal habitats and the wellbeing of people who visit them. With the significant increase in beach use and waterfront recreation in 2020, this statement is true now more than ever. As people relied on our beaches to find relief from the global pandemic, our dual goals of protection and enjoyment of the coasts became all the more important – the beach belongs to all of us and everyone is entitled to the benefits of clean beaches. Beach cleanups are a simple, yet effective way to reduce plastic pollution, raise awareness about the complexities of the plastic pollution crisis and provide crucial data to help pass plastic reduction legislation across the nation.

### **PROGRAM:**

Bhagwan Mahavir University celebrated **SWACHHATA HI SEVA 2024**, during which various programs were conducted by different colleges of the university. NSS Unit of BMU organized a Dumas Beach cleaning program on Tuesday, 01/10/2024. A total of **60 volunteers** and **7 programme officers** from BMU participated in the cleanliness drive, including 9 students from the Science Department, who joined along with NSS Programme Officer **Mr. Bhargav Kothiya** and **Dr. Payal Patel**, a faculty member of the Biotechnology Department. This Swachhta programme was centrally conducted by the university.



## Report on

### “Dumas beach cleaning”

Held on: 01/10/2024 Tuesday

#### **Rules & Regulation**

1. Dress code – White or NSS T-shirt
3. NSS coordinators from each college are mandatory to come
4. Ten students from each college
5. The NSS coordinator of each college is requested to take attendance of students (While leaving and coming back to the university)
6. Transportation facilities will be provided by the university.

All the students and faculty members arrived at the beach, where they were provided with gloves, masks, and bags. The event began with an inspiring speech by the NSS programme officer, emphasizing the importance of this initiative. After the speech, the volunteers were divided into groups, starting from opposite ends of the beach and working their way towards the center. Over the next two hours, they combed the beach, collecting trash and debris. Most of the waste consisted of plastic bags, bottles, bottle caps, straws, soda cans, and cigarette butts. The volunteers worked with great enthusiasm, with faculty members also actively participating in the clean-up effort. At the end of the drive, the NSS cell distributed food packets to all the students.

Surat is a beautiful city, and it is our collective responsibility to keep it clean. Plastic pollution is a global crisis, and beach clean-ups play a crucial role in raising awareness about the impact of plastic waste on our environment. The goal of organizing this cleanliness drive at Dumas, Surat's most popular beach, was to inspire young people to take action in keeping the city clean. Together, we can combat the issue of single-use plastics and move towards a more sustainable future.

#### **Event Photographs:**





## Report on

“Dumas beach cleaning”

Held on: 01/10/2024 Tuesday





**Report on**  
**“Dumas beach cleaning”**  
**Held on: 01/10/2024 Tuesday**





## Report on

“Dumas beach cleaning”

Held on: 01/10/2024 Tuesday

### Bhagwan Mahavir College of Basic and Applied Sciences

Event: Dumas Beach cleaning under 'Swachhta Hi Seva-2024'.

Date :- 01/10/2024.

Time:- 9:00 AM to 12:00 PM.

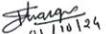
Venue :- Dumas Beach.

#### • Chemistry Department

Sr No	Student Name	Semester
1	Panchani Vatsal J	3rd
2	Ankit Keshri S.	3rd
3	Rahul Singh S.	3rd
4	Vighnesh Patil K.	3rd
5	Shivam Mishra R.	3rd

#### • Bio-tech Department

Sr No	Student Name	Semester
1	Patel Tulsi P.	3rd
2	Rahul Rout.	3rd
3	Himani Mahoviyा.	3rd
4	Sunil Panwar.	3rd

  
01/10/24

Mr. Bhargav Kothiya,

NSS-Programme Officer

BMCBAS,

  
01/10/24  
Principal  
B M College of Basic & Applied Sciences,  
Bhagwan Mahavir University  
VIP Road, Surat-395007.

### Report Submitted By:

**Mr. Bhargav Kothiya,**  
NSS Programme officer  
Designation: Adhoc Assitatnt Professor  
Constituent College Name: BMCBAS



<b>Date of event :</b>	15/12/2024
<b>Name of Event:</b>	<b>FREE MEDICAL CAMP AT BHIMPORE VILLAGE</b>
<b>Event Convener</b>	Mrs. Drashti Mandlik, Dr. Shailja Saparia
<b>Conducted By</b>	Bhagwan Mahavir College of Pharmacy
<b>No. of Participants</b>	150 Participants

#### **INTRODUCTION:**

The Bhagwan Mahavir College of Pharmacy organized a free health check-up camp at Bhimpore village, aimed at providing healthcare services to the local community.

The primary objective of the health check-up camp was to promote health awareness and provide basic medical services to the residents of Bhimpore Village and its surrounding areas. The camp aimed to identify health issues early, offer medical advice, and refer serious cases for further treatment.



### **EVENT STRUCTURE:**

Bhagwan Mahavir College of Pharmacy run under Bhagwan Mahavir University organized free health check-up camp at Bhimpore Village on 15-12-2024.

Health checkup camp was started at 11.00 AM by Induration ceremony after on-wards the camp began with registration of participants to record demographic details and medical history.

After the registration, Our B.Pharm and Diploma 2<sup>nd</sup> year students with the Team conducted comprehensive medical examinations, including blood pressure measurement, Diabetes, Blood Group Analysis, BMI calculation, and general health assessment.

Then after Educational sessions were conducted on various health topics such as hygiene, nutrition, and disease prevention. Pamphlets and brochures containing essential health information were distributed among the attendees.

Personalized medical advice and recommendations were provided to each individual. Cases requiring specialized medical attention were referred to nearby healthcare facilities for further diagnosis and treatment.

The health check-up camp received an overwhelming response from the local community, with a large number of residents availing themselves of the medical services offered. The initiative was highly appreciated by the residents, who expressed gratitude towards the Bhagwan Mahavir Pharmacy college of Pharmacy for organizing the camp.

The health check-up camp at Bhimpore Village by Bhagwan Mahavir Pharmacy college of Pharmacy was a resounding success, fulfilling its objective of providing essential healthcare services to the underserved population. The event not only facilitated early detection and management of health issues but also empowered individuals with knowledge to lead healthier lives. Such initiatives play a crucial role in promoting community health and well-being, embodying the spirit of social responsibility and service.

Lastly, we extend our sincere gratitude to all the Students volunteers and supporting staff who contributed to the success of the health check-up camp. Special thanks to the people of Bhimpore for their valuable support and cooperation in organizing the event.



**Event Photographs:**





**Report for activities  
Held on: 15-12-2024  
Health Check-up Camp**





**Report Submitted By:**

**Mrs. Drashti Mandlik**  
Assistant Professor Department of Pharmacology Bhagwan  
Mahavir College of Pharmacy

### **SECTION III. CONCLUSION AND FUTURE PLANS**

- The academic year 2024–25 at Bhagwan Mahavir College of Pharmacy has been marked by dynamic growth, student innovation, and community-centered learning.
- The implementation of NEP 2020 Four-Year UG programs, vibrant intra-college competitions, increased research output, and impactful social outreach reflect the institution's commitment to excellence.
- Noteworthy milestones include a faculty patent, multiple research publications, successful NSS driven blood donation and health awareness drives, and students earning recognition at state-level competitions.
- Feedback mechanisms and IQAC interventions have helped identify areas for improvement, including increased emphasis on digital infrastructure, enhanced placement support, and industry academia collaboration.

#### **Future Plans Include:**

- Introduce industry-integrated certificate courses and cross-disciplinary electives.
- Establish formal collaborations with research organizations and laboratories.
- Strengthen alumni involvement in mentorship and networking.

collection, and academic analytics.

## Declaration Statement

I hereby declare that the information and data presented in this Annual Report for the academic year **2024–2025** are true and correct to the best of my knowledge and belief. The report highlights the academic, research, co-curricular, and extension activities of **Bhagwan Mahavir College of Pharmacy**, and reflects the institutional progress and quality assurance practices as guided by the Internal Quality Assurance Cell (IQAC) and Bhagwan Mahavir University.

**Dr. Vineet C. Jain**

*Principal*

Bhagwan Mahavir College of Pharmacy

Date: 10/11/2025

Place: Surat