



H. R. PATEL INSTITUTE OF PHARMACEUTICAL EDUCATION AND RESEARCH, SHIRPUR DIST. DHULE - 425405

NAAC accredited A Grade (CGPA 3.06) and NBA recredited B. Pharm course (2022-25)

Approved by: AICTE, PCI, Govt. of Maharashtra, DTE, KBC NMU Jalgaon

An ISO 9001:2008 Certified, NIRF Ranked Institute (2016-24th, 2020 Rank Band 76-100)

Our Motto: "Serving Nation's Health"

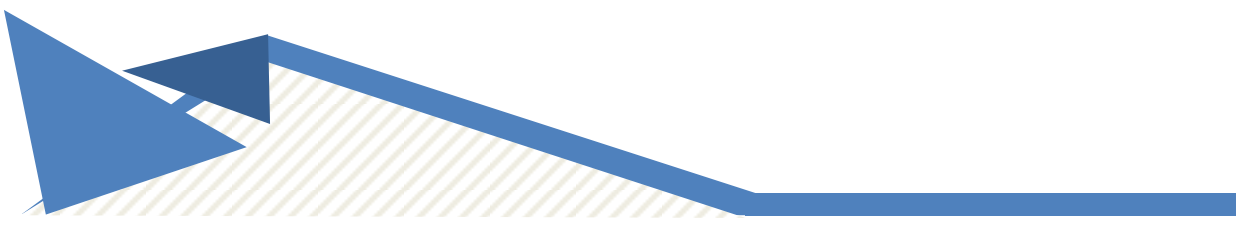


Vision

We aspire to do advancement of knowledge through excellence and innovation in education, research, and outreach activities.

Mission

To conduct high quality educational and research activities that benefit students, researchers, and communities across the nation. We will also abide to extend, apply, and exchange knowledge between the institutions, industry and society.





From Chairman's Desk

The Shirpur Education Society has over the years, knitted together a large network of educational institutions throughout the length and breadth of Shirpur. From pre-primary schools, primary schools, ashram schools, secondary and higher secondary schools to professional collage and institutes that offers courses like Pharmacy, D.Ed., B.Ed., Management, Engineering entire education has a single-minded goal and mission to provide hope, direction and the promise of a bright future for aspiring youth from all over country.

To meet the increasing demand for pharmacy professionals in the country and to serve all sectors of society, the H. R. Patel Institute of Pharmaceutical Education and Research was established in 2004, originally known as H. R. Patel Women's College of Pharmacy. In a short period, this institution has gained a strong reputation in the pharmaceutical field and now holds a leading position in North Maharashtra. This success is attributed to the dedicated faculty, quality students, a wide range of advanced instruments, a well-stocked library, and a supportive educational environment.

I am delighted to learn that the institute is launching its Institutional Magazine. Best wishes to the HRPIPER team in all their future endeavors.

Hon. Shri. Amrishbhai R. Patel

President

Shirpur Education Society, Shirpur



From Principal's Desk

I am delighted to present the E-Bulletin for the academic year 2023-24, showcasing the vibrant and dynamic environment of our college. This bulletin encapsulates the wealth of activities, both academic and extracurricular, that have taken place over the past year, reflecting our commitment to holistic education. Our academic curriculum continues to be at the forefront of innovation and excellence. Beyond the classroom, HRPIPER has been a hub of various non-curricular events that contribute to the all-round development of our students. From guest lectures, seminars, workshops, and conferences to cultural festivals, sports meets, and community service initiatives, our campus has been buzzing with activities that nurture creativity, leadership, and social responsibility. These events provide our students with invaluable experiences, helping them to grow into well-rounded individuals ready to face the challenges of the future. As you go through this E-Bulletin, I hope you will be inspired by the achievements and activities of our community. Each page is a testament to the hard work, dedication, and spirit of our students and faculty.

Thank you for being a part of the HRPIPER family. Together, let us continue to strive for excellence and make this academic year even more remarkable.

Prof. Dr. S. B. Bari

Principal

H. R. Patel Institute of Pharmaceutical Education and Research, Shirpur

Editorial Message

We are extremely happy to hand over this issue of E Bulletin 2023 – 24 which has been serving as a platform to highlight the glance, achievements, events and many more of HRPIPER Family.

We would like to place on record my gratitude and heartfelt thanks to our beloved Principal, Dr. S. B. Bari for his constant afflatus and thriving auspice for bringing out this institutional E Bulletin. We are also grateful to all teaching staff, non-teaching staff and students for extending their cooperation and contribution to make this effort a success.

We wish happy voyage to the readers of this bulletin and it will be satisfy the readers and even be electrifying to them.

Thanking You.

Mr. Prashant B. Patil

Mr. Ketan B. Patil



Editor's in Chief

E-Bulletin-2023 - 24

CONTENTS


Sr. No.	Name of Event	Date	Page No.
1.	Alumni interaction lecture	22/06/2024	7
2.	Webinar on Pharmaceutical Manufacturing and Training	01/07/2023	8
3.	Webinar on “Significance of Analytical Development Department in Pharmaceutical Industry”	15/07/2023	8
4.	International Youth Day Celebration	12/08/2023	9
5.	Ayurveda Camp	25/08/2023	10
6.	Alumni interaction lecture	31/08/2023	11
7.	Alumni interaction lecture	08/09/2023	13
8.	University Level Farmers Assistance Workshop	09/09/2023	14
9.	Tree Plantation	09/09/2023	14
10.	Alumni interaction lecture	11/09/2024	15
11.	Blood Donation Camp	14/09/2023	17
12.	Alumni interaction lecture	22/09/2024	17
13.	'Amrit Kalash' under the campaign "Meri Mati, Mera Desh"	22/09/2023	19
14.	F. Y. B. Pharm. Orientation Program: Profession and Beyond	23/09/2023	20
15.	Blood group and BMI detection Camp	25/09/2023	21
16.	World Pharmacist Day Celebration with Rally and Street Play	25/09/2023	22
17.	Webinar on “Fundamentals of Bioanalytical Method Development & Validation using LCMS-MS in Clinical Research”	30/09/2023	23
18.	"स्वच्छ भारत अभियाना" अंतर्गत "एक तारीख, एक तास, व एक साथ श्रमदान"	01/10/2023	24

19.	Celebrating Mahatma Gandhi Jayanti	02/10/2023	25
20.	Guest Lecture on “Career Opportunities in Research”	14/10/2023	26
21.	Alumni interaction lecture	16/10/2023	26
22.	“करिअर कट्टा IAS आपल्या भेटिला”	23/10/2023	27
23.	Alumni interaction lecture	03/11/2023	28
24.	One day Seminar on Competitive Exam Preparations	17/01/2024	29
25.	Guest Lecture on “Application of 3-D printing in biotechnology”	19/01/2024	30
26.	Guest Lecture on “Abroad Education Opportunities with Fellowship in Russia & Hungary”	19/01/2024	31
27.	Alumni interaction lecture	24/01/2024	32
28.	Guest Lecture on “How to cope with future challenges in Pharma profession”	17/02/2024	33
29.	One day Seminar on National Education Policy (NEP) 2020	21/02/2021	34
30.	Guest Lecture on “Career opportunities for admission in UK based Universities”	07/03/2024	35
31.	One Day National Level Workshop	23/03/2024	36
32.	Hospital Visit IGM Hospital, Shirpur	29/04/2024	37
33.	Faculty Achievements	--	39
34.	Institute Achievements	--	47
35.	List of Publications (2023 - 24)	--	49
36.	Programme Educational Objectives	--	59


Name of Activity	Alumni interaction lecture – 22/06/2024
Photos of the Event	<div style="display: flex; justify-content: space-around; align-items: center;"> <div style="background-color: black; color: white; border-radius: 50%; width: 60px; height: 60px; display: flex; align-items: center; justify-content: center; text-align: center;"> <p>Alumni Interaction Lecture</p> </div> <div style="background-color: #e91e63; color: white; border-radius: 15px; padding: 10px; text-align: center;"> <p>Topic of Talk <i>"Introduction to Pharmaceutical Industry"</i> by Mr. Kunal B. Bachchhao 22nd June 2023 Thursday at 3.00 pm.</p> </div> <div style="background-color: #8bc34a; color: white; border-radius: 15px; padding: 10px; text-align: center;"> <p> H. R. Patel Institute of Pharmaceutical Education and Research Shirpur 425405</p> </div> </div> 
Summary of the Event	<p>Mr. Kunal Bachchhao alumni of the H. R. Patel Institute of Pharmaceutical Education and Research in Shirpur gave a lecture on "Introduction to Pharmaceutical Industry" on 22nd June 2023 Thursday at 3.00 Pm. The program was chaired by the head of the alumni association, Dr. R. E. Mutha, and Dr. R. S. Tade, Mr. M. R. Mahajan, and other professors were present. The main objective of the lecture was to inspire entrepreneurship, creativity, and innovation in our students in today's age of competition. In his lecture, Kunal Bachchhao emphasized resume writing, software handling HPLC, UV, IR and focus communication, instrument handling skills, and how phases interviews and job opportunities in the pharmaceutical industry. Furthermore, he gives in-depth guidance to the students on opportunities in the analytical method development department of the pharmaceutical industry. Finally, at the end of the lecture, in the question and answer session, Mr. Kunal Bachchhao answered many questions from the students. A total of 53 attendees were present for this session.</p>
Name of Coordinator	Dr. R. E. Mutha/Dr. R. S. Tade/Mr. M. R. Mahajan

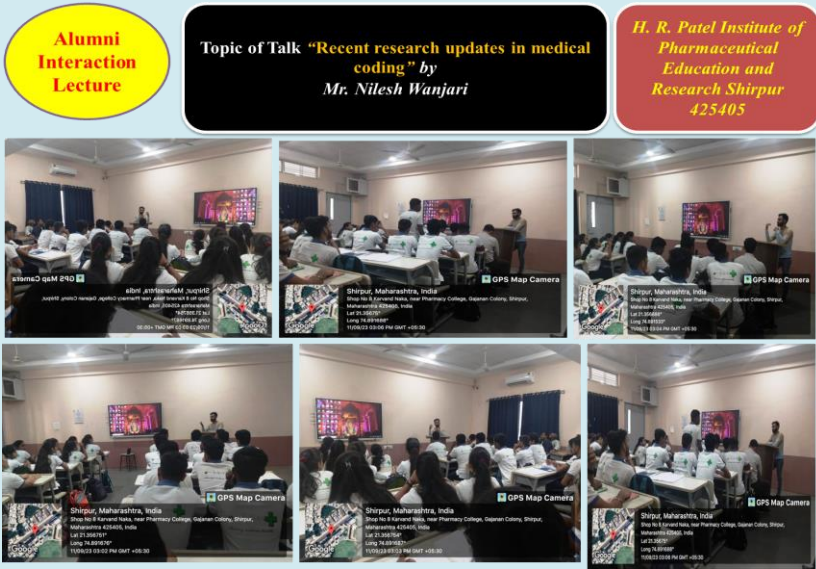
Name of Activity	Webinar on Pharmaceutical Manufacturing and Training - 01/07/2023
Photos of the Event	
Summary of the Event	<p>On 1st July 2023 organized a guest lecture (Online Zoom Meeting) of industrial resource person Mr. Prafulla Firodiya (Assistant Manager, F & D, Alkem Laboratories, Mumbai). Students get the awareness of educational values related to current trends students with current needs and opportunities in the pharmaceutical industry by presenting current scenarios available outside. The students interacted with demand of current GMP and cGMP in the pharmaceutical manufacturing.</p>
Name of Coordinator	Mr. D. M. Patil/Dr. R. E. Mutha,/ Dr. R. S. Tade
Name of Activity	Webinar on “Significance of Analytical Development Department in Pharmaceutical Industry” - 15/07/2023

<p>Photos of the Event</p>	
<p>Summary of the Event</p>	<p>On 15th July 2023 organized a guest lecture (Online Zoom Meeting) of industrial resource person Mr. Rahul Kadam (Asst. Profesor, Vasantidevi Patil Institute of Pharmacy, Kodoli, Maharashtra). Students get the awareness of educational values related to current trends students with current needs and opportunities in the pharmaceutical industry by presenting current scenarios available outside. The students interacted with demand of current Analytical and ICH in the pharmaceutical manufacturing.</p>
<p>Name of Coordinator</p>	<p>Mr. D. M. Patil,/ Dr. R. S. Tade</p>
<p>Name of Activity</p>	<p>International Youth Day Celebration - 12/08/2023</p>
<p>Photos of the Event</p>	


Summary of the Event	<p>The International Youth Day Celebration was organized by the Internal Quality Assurance Cell (IQAC Cell) in collaboration with the Department of Pharmaceutical Chemistry at H. R. Patel Institute of Pharmaceutical Education and Research (HRPIPER). The event aimed to commemorate International Youth Day and raise awareness about HIV/AIDS through various activities. Social Awareness Rally (for HIV/AIDS): The day commenced with a spirited Social Awareness Rally.</p> <p>Participants marched through the HRPIPER campus and nearby Karwand Naka, carrying banners, placards, and informational pamphlets related to HIV/AIDS. The rally served as a visual representation of unity and commitment to addressing the issue. Street Following the rally, a captivating street play was performed by talented students. The effectively conveyed essential information about HIV/AIDS, including prevention methods, safe practices, and the importance of regular testing. It also tackled the stigma surrounding HIV/AIDS, promoting empathy and understanding.</p>
Name of Coordinator	Dr. Z. G. Khan and Mr. P. B. Patil
Name of Activity	Ayurveda Camp – 25/08/2023
Photos of the Event	
Summary of the Event	<p>An Ayurveda Camp is a health and wellness event that focuses</p>

	<p>on the ancient Indian system of medicine known as Ayurveda. Typically organized in community settings or wellness retreats, these camps aim to promote holistic well-being by offering traditional Ayurvedic therapies, consultations, and educational sessions. Participants have the opportunity to engage with experienced Ayurvedic practitioners who assess their individual constitutions (doshas) and provide personalized recommendations for diet, lifestyle, and herbal remedies. Ayurveda, rooted in a holistic approach to health, emphasizes the balance of mind, body, and spirit. The camp often includes activities such as yoga, meditation, and workshops on Ayurvedic principles, fostering a comprehensive understanding of this natural healing system. Attendees gain insights into preventive healthcare, herbal treatments, and lifestyle practices that align with Ayurvedic principles, fostering a deeper connection with their overall well-being. Ayurveda Camps serve as immersive experiences that empower individuals to take an active role in enhancing their health and vitality through the timeless wisdom of Ayurveda.</p> <p>(Guest) Dr. Kuldip Raj Kohli Ex. Director of Ayush for the Government of Maharashtra.</p>
Name of Coordinator	Mr. Ketan B. Patil NSS Program Officer and Ms. Rajshri T. Dhole Assistant NSS Program Officer
Name of Activity	Alumni interaction lecture – 31/08/2023

<p>Photos of the Event</p>	
<p>Summary of the Event</p>	<p>Mr. Nachiket Mowade alumni of the H. R. Patel Institute of Pharmaceutical Education and Research in Shirpur gave a lecture “Marketing skills for business and entrepreneurship development” held on 31st August 2023 Thursday at 2.30 pm. The program was chaired by the head of the alumni association, Dr. R. E. Mutha, and Dr. R. S. Tade, Mr. M. R. Mahajan, and other professors were present. The main objective of the lecture was to inspire entrepreneurship, creativity, and innovation in our students in today's age of competition. In his lecture, Mr. Nachiket Mowade emphasized Understanding customer needs through market research, Customer Relationship Management, Understanding the customer journey, and designing sales funnels to guide prospects toward conversion Furthermore, he gives in-depth guidance to the students by exploring the four elements - Product, Price, Place, and Promotion - to create a comprehensive marketing strategy. Finally, at the end of the lecture, in the question and answer session, Mr. Nachiket Mowade answered many questions from the students. A total of 50 attendees were present for this session.</p>
<p>Name of Coordinator</p>	<p>Dr. R. E. Mutha/Dr. R. S. Tade/Mr. M. R. Mahajan</p>

Name of Activity	Alumni interaction lecture – 08/09/2023
Photos of the Event	
Summary of the Event	<p>Mr. Nilesh Wanjari alumni of the H. R. Patel Institute of Pharmaceutical Education and Research in Shirpur gave a lecture <i>“Recent research updates in medical coding”</i> held on 08th September 2023 Friday at 2.30 pm. The program was chaired by the head of the alumni association, Dr. R. E. Mutha, and Dr. R. S. Tade, Mr. M. R. Mahajan, and other professors were present. The main objective of the lecture was to inspire entrepreneurship, creativity, and innovation in our students in today's age of competition. In his lecture, Mr. Nilesh Wanjari emphasized researchers are closely monitoring and studying regulatory changes in pharmaceutical coding, such as updates to the National Drug Code (NDC) and related guidelines. Pharmacovigilance and safety reporting research highlights the importance of accurate coding in pharmacovigilance efforts, including adverse event reporting and drug safety monitoring. Drug classification and identification ongoing research aims to refine drug classification systems and identification methods to ensure accurate coding for pharmaceutical products, including generics and biologics. Finally, at the end of the</p>

	lecture, in the question and answer session, Mr. Nilesh Wanjari answered many questions from the students. A total of 49 attendees were present for this session.
Name of Coordinator	Dr. R. E. Mutha/Dr. R. S. Tade/Mr. M. R. Mahajan
Name of Activity	University Level Farmers Assistance Workshop - 09/09/2023
Photos of the Event	
Summary of the Event	Farmers Assistance Workshop was organized at New Boradi to introduce the farmers about different government schemes for the development of their farming. Along with this, this workshop also addressed the farmers about the possible opportunities for the startups relevant to farming to get additional monetary benefit. Nearly 150 farmers participated and benefited through this workshop.
Name of Coordinator	Dr. R. E. Mutha
Name of Activity	Tree Plantation – 09/09/2023


Photograph of Event	
Summary of the Event	<p>To make awareness about the importance of trees for the sustainable environment and initiate such responsibility among the students & staff, various medicinal plants were planted on 09 September 2023. Along with this, staff took the responsibility to take care of these plants. SES's H R Patel Institute of Pharmaceutical Education and Research Shirpur and Green Army together worked for the target of Crore plantations in 2023-24 helped in planting nearly 50 Plants at Mandal Shivar Tal. Shirpur. Participants: Total 15 Participants were present for Tree plantation.</p>
Name of Coordinator	Mr. Ketan B. Patil NSS Program Officer and Ms. Rajshri T. Dhole Assistant NSS Program Officer
Name of Activity	Alumni interaction lecture – 11/09/2024

Photos of the Event



Summary of the Event

Mr. Pushpak Chavan alumni of the H. R. Patel Institute of Pharmaceutical Education and Research in Shirpur gave a lecture “**Entrepreneurship skills for retail and wholesale pharma business**” held on 11th September 2023 Thursday at 2.30 pm. The program was chaired by the head of the alumni association, Dr. R. E. Mutha, and Dr. R. S. Tade, Mr. M. R. Mahajan, and other professors were present. The main objective of the lecture was to inspire entrepreneurship, creativity, and innovation in our students in today's age of competition. In his lecture, Mr. Pushpak Chavan emphasized building strong relationships with healthcare professionals, pharmacies, and customers to establish trust and loyalty. Identify and mitigate risks associated with product recalls, regulatory changes, and market fluctuations. Understand and adhere to the complex regulations governing the pharmaceutical sector to ensure legal compliance and quality assurance. Implement effective inventory management strategies to minimize costs and maintain stock levels based on demand. Finally, at the end of the lecture, in the question and answer session, Mr. Pushpak Chavan answered many questions from the students. A total of 55 attendees were

	present for this session. Lastly, Mr. Mahendra Mahajan hosted and thanked the program.
Name of Coordinator	Dr. R. E. Mutha/Dr. R. S. Tade/Mr. M. R. Mahajan
Name of Activity	Blood Donation Camp – 14/09/2023
Photos of the Event	
Summary of the Event	<p>On September 14, 2023, a blood donation camp was held in honour of Hon. Amrishbhai Patel. 77 people, including employees and students, donated blood during this blood donation camp. This group project was planned to teach the pupils about social responsibility. Students from the NSS unit contributed to the event's smooth execution.</p>
Name of Coordinators	Mr. Ketan B. Patil NSS Program Officer and Ms. Rajshri T. Dhole Assistant NSS Program Officer
Name of Activity	Alumni interaction lecture – 22/09/2024

Photos of the Event




Summary of the Event

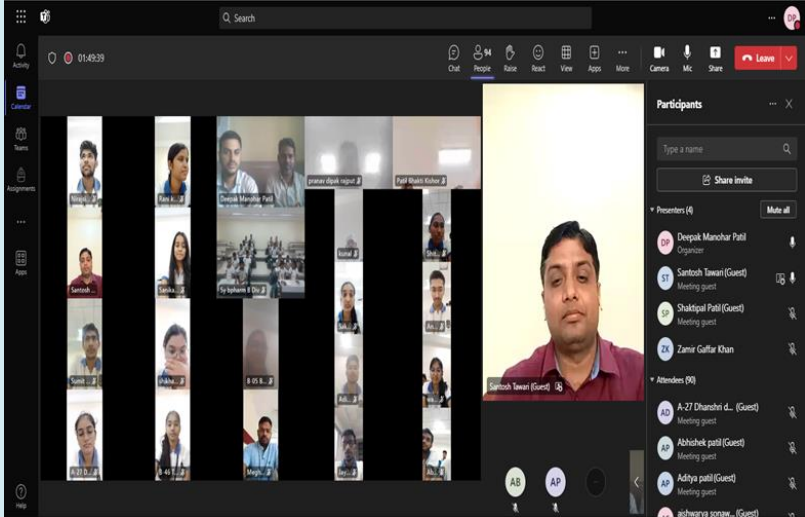
Ms. Yukta Wankhedhe, alumni of the H. R. Patel Institute of Pharmaceutical Education and Research in Shirpur gave a lecture on “Your global future: A guide to study higher education in the united kingdom ” held on 22th September 2023 Friday at 2.30 pm. The program was chaired by the head of the alumni association, Dr. R. E. Mutha, and Dr. R. S. Tade, Mr. M. R. Mahajan, Mr. V. S. Bagul and other professors were present. The main objective of the lecture was to inspire entrepreneurship, creativity, and innovation in our students in today's age of competition. In his lecture, Ms. Yukta Wankhedhe begin with an overview of the United Kingdom's higher education system, including universities, colleges, and different types of degrees available. Likewise, discuss the advantages of pursuing higher education in the UK, such as academic excellence, a diverse student population, and strong links to industry. In brief, information about student visas, work permits, and immigration regulations for international students might be covered. Information about on-campus and off-campus accommodation options, as well as the overall student experience, could be included. Eventually, lecture may conclude with a question-and-answer session where attendees

	can ask specific questions about studying in the UK. A total of 53 attendees were present for this session.
Name of Coordinator	Dr. R. E. Mutha/Dr. R. S. Tade/Mr. M. R. Mahajan
Name of Activity	'Amrit Kalash' under the campaign "Meri Mati, Mera Desh" – 22/09/2023
Photos of the Event	
Summary of the Event	<p>The Meri Mati Mera Desh campaign is a tribute to the heroes and heroines who made the supreme sacrifice for the country. In the spirit of public participation, students, teachers and non-teaching staff of the college participated in the campaign. And the initiative was organized in which selfies were uploaded on the government website. Similarly, 'Panch Pran' pledge by students, teachers and non-teaching staff; Cultivation of indigenous species of saplings and development of 'Amrit Vatika' (Vasudha Vandan) and honored freedom fighters and families of deceased freedom fighters (Veeron Ka Vandan).</p>

<p>Name of Coordinators</p>	<p>Mr. Ketan B. Patil NSS Program Officer and Ms. Rajshri T. Dhole Assistant NSS Program Officer</p>
<p>Name of Activity</p>	<p>F. Y. B. Pharm. Orientation Program: Profession and Beyond – 23/09/2023</p>
<p>Photos of the Event</p>	 <p>The top photograph shows a stage during the orientation program. A large screen in the background displays the text "ORIENTATION PROGRAM" and the name of the institution: "Shirpur Education Society's H. R. Patel Institute of Pharmaceutical Education and Research, Shirpur". A speaker in an orange robe is standing at a podium on the right. A GPS overlay is present in the bottom left of the photo, showing the location as Shirpur, Maharashtra, India, with coordinates and a timestamp of 23/09/23 11:31 AM GMT +05:30.</p> <p>The bottom photograph shows a large audience of students seated in a hall, attending the program. A GPS overlay is present in the bottom left of the photo, showing the location as Shirpur, Maharashtra, India, with coordinates and a timestamp of 23/09/23 11:38 AM GMT +05:30.</p>
<p>Summary of the Event</p>	<p>The induction / orientation program for the newly admitted students for the pharmacy course was conducted at S. M. Patel Memorial Hall. The program was inaugurated by Pujya Yogisneh Swami, Pujya Uttam-muni Swami and the principal of the college Dr. S. B. Bari. At this time, the Academic in-charge Dr. P. O. Patil, First Year Class Teachers Mr. P. B. Patil, and Mr. S. N. Jain was also present.</p>



<p>Name of Coordinators</p>	<p>Mr. P. B. Patil, Mr. S. N. Jain</p>
<p>Name of Activity</p>	<p>Blood group and BMI detection Camp – 25/09/2023</p>
<p>Photos of the Event</p>	
<p>Summary of the Event</p>	<p>On September 25, 2023, the Department of Pharmacology at HRPIPER organized a Blood Group and BMI Detection camp at the college in celebration of Pharmacist Day. The event, held from 10:00 am to 3:00 pm, was conducted under the guidance of the esteemed Principal, Dr. S. B. Bari, and coordinated jointly by Dr. P. S. Bafna (Head of Department), Miss R. T. Dhole and Mr. S. S. Agey. A total of 61 participants actively engaged in the camp, where the actual checking procedures were carried out by expert volunteers</p>

	<p>from T. Y. B. Pharm. The distinguished presence of Hon. Shri Shantilal Patil and Shri Atul Sisodia (District Secretary and EC Member) added prestige to the occasion, alongside Principal Dr. S. B. Bari (HRPIPER). The entire event was efficiently coordinated by the dedicated efforts of volunteers from T. Y. B. Pharm, namely Mr. R. B. Baviskar and Mr. R. T. Mahajan. Lastly, , all participants were provided with printed label cards indicating their blood group for remembrance and future reference purposes.</p>
<p>Name of Coordinator</p>	<p>Dr. P. S. Bafna / Mr. S. S. Agey / Mrs. R. T. Dhole</p>
<p>Name of Activity</p>	<p>World Pharmacist Day Celebration with Rally and Street Play – 25/09/2023</p>
<p>Photos of the Event</p>	
<p>Summary of the Event</p>	<p>The World Pharmacist Day Celebration with rally and street play was organized by the Internal Quality Assurance Cell (IQAC Cell) in collaboration with the Department of Pharmaceutical Chemistry and Pharmacy Club Shirpur at H. R. Patel Institute of Pharmaceutical Education and Research (HRPIPER). World Pharmacist Day is celebrated annually on September 25th to highlight the vital role pharmacists play in healthcare and to promote their importance in patient care. The celebration began with a lively rally, which commenced from the college campus to karwand naka circle area return to college. The event saw a large turnout, including pharmacists, pharmacy students, healthcare professionals, and interested community members. The World Pharmacist Day</p>


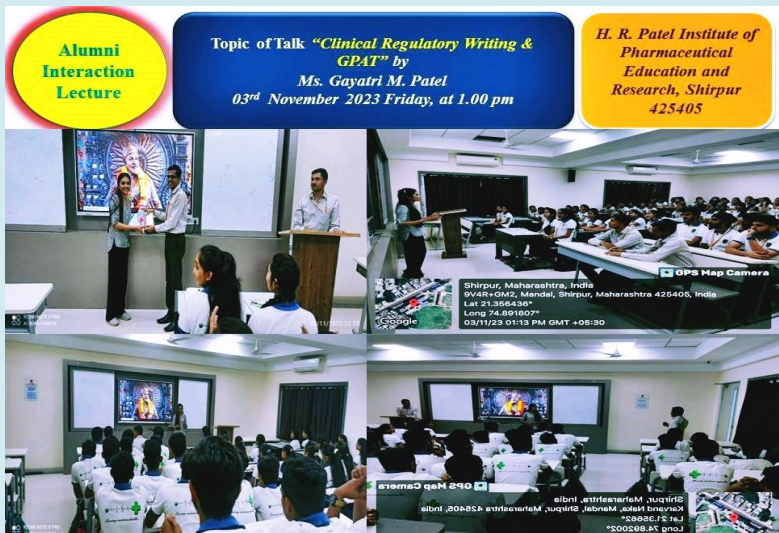
	<p>celebration with a rally and street play was a resounding success, raising awareness about the crucial role pharmacists play in healthcare and their contribution to patient well-being. The event received positive feedback from both participants and the public, underscoring the importance of recognizing and appreciating the work of pharmacists. This celebration served as a reminder that pharmacists are not just medication dispensers but also essential healthcare professionals who play a pivotal role in ensuring the safe and effective use of medications. It encouraged individuals to seek out their pharmacists for guidance on their medications and highlighted the importance of pharmacists in promoting better health outcomes.</p>
<p>Name of Coordinator</p>	<p>Dr. Z. G. Khan, Mr. P. B. Patil, Mr. P. S. Baviskar</p>
<p>Name of Activity</p>	<p>Webinar on “Fundamentals of Bioanalytical Method Development & Validation using LCMS-MS in Clinical Research” - 30/09/2023</p>
<p>Photos of the Event</p>	 <p>The image is a screenshot of a Zoom webinar. The main window shows a grid of 16 small video thumbnails of participants. On the right side, there is a 'Participants' list with names and roles, including 'Deepak Manchar Patil (Organizer)', 'Santosh Tawari (Guest)', 'Shalipal Patil (Guest)', 'Zamir Gaffar Khan', and several other attendees. The top of the interface shows the time as 01:49:29 and various control icons like mute, video, chat, and share.</p>
<p>Summary of the Event</p>	<p>The main purpose of bioanalytical method development is to clearly define the design, operating conditions, limitations and suitability of the method for its intended purpose. It also ensures that the method is optimized for validation. Before starting</p>

	<p>development of bioanalytical methods, the sponsor should perform the detailed study of the analyte including physicochemical properties, in vitro and in vivo metabolism and protein binding etc. The procedures related to extracting the analyte from biological matrix and its detection are the important tasks in method development.</p>
Name of Coordinators	Mr. S. K. Patil, Mr. D. M. Patil, Ms. A. Y. Pathan
Name of Activity	"स्वच्छ भारत अभियाना" अंतर्गत "एक तारीख, एक तास, व एक साथ श्रमदान" – 01/10/2023
Photos of the Event	
Summary of the Event	<p>National call for citizen-led 1 hour labor donation for cleanliness on October 1, 2023 at 10 am. Nine years ago, Prime Minister Shri Narendra Modi called for cleanliness in 2014. Citizens from all walks of life responded with great enthusiasm to take ownership for a clean India. On the occasion of Gandhi Jayanti, the Prime Minister has made a unique appeal to the countrymen to take action. On the eve of Bapu's birth anniversary, all the students and teaching and non-teaching staff together gave 'Swachhanjali' to him. As per the theme Swachhta Hi Seva Abhiyaan, "On 1st October i.e. Sunday at 10 am a big program was organized on cleanliness. At that time, the students and teachers and non-teaching staff helped in this cleanliness drive from time to time, in which they cleaned the</p>



	college premises.
Name of Coordinators	Mr. Ketan B. Patil NSS Program Officer and Ms. Rajshri T. Dhole Assistant NSS Program Officer
Name of Activity	Celebrating Mahatma Gandhi Jayanti – 02/10/2023
Photos of the Event	
Summary of the Event	<p>Mahatma Gandhi Jayanti is a day of immense significance in India, celebrated annually on October 2nd to honor the birth anniversary of the Father of the Nation, Mahatma Gandhi. This day serves as a tribute to the enduring legacy and principles of Gandhiji, who played a pivotal role in India's struggle for independence through non-violent civil disobedience. Commemorated with great enthusiasm across the nation, the day is marked by various events, including prayer services, cultural programs, and educational activities that highlight Gandhian philosophy. Schools, colleges, and government institutions often organize special assemblies to instill the values of truth, non-violence, and simplicity that Gandhi advocated throughout his life. Additionally, people participate in cleanliness drives, peace marches, and various community service initiatives to pay homage to the Mahatma's commitment to social justice and harmony. Mahatma Gandhi Jayanti stands as a poignant reminder of the enduring power of peaceful resistance and the profound impact one individual can have on shaping the destiny of a nation.</p>
Name of Coordinator	Mr. Ketan B. Patil NSS Program Officer and Ms. Rajshri T. Dhole Assistant NSS Program Officer


Name of Activity	Guest Lecture on “Career Opportunities in Research” - 14/10/2023
Photos of the Event	
Summary of the Event	<p>Outcomes of Guest lecture -</p> <ol style="list-style-type: none"> 1. Identification of gaps owing to change in the knowledge, epistemic shift, change in needs in chemistry. 2. Difficulties in gap analysis a. failure to account the change in time. External (beyond the concern of teacher) as well as internal gaps (concern of teacher). 4. Efforts to bridge the gaps: By organization of syllabus, removal of the vagueness in the same. Performance appraisal of the faculty on research and teaching learning scale or both.
Name of Coordinator	Mr. D. M. Patil & Ms. A. Y. Pathan
Name of Activity	Alumni interaction lecture – 16/10/2023
Photos of the Event	


Summary of the Event	<p>Mr. Amit Sandanshive alumni of the H. R. Patel Institute of Pharmaceutical Education and Research in Shirpur gave a lecture “Do’s and don’ts of the parenteral department” held on 16th October 2023 Monday at 4.30 pm. The program was chaired by the head of the alumni association, Dr. R. E. Mutha, and Mr. M. R. Mahajan and other professors were present. The main objective of the lecture was to inspire entrepreneurship, creativity, and innovation in our students in today's age of competition. In his lecture, Mr. Amit Sandanshive emphasized patient safety and effective healthcare practices, the key "Do's" included the importance of maintaining proper hand hygiene to prevent infections, practicing aseptic techniques for maintaining sterile conditions, and double-checking medication orders and patient information to ensure accuracy. Proper injection site selection and needle safety, accurate labeling and documentation, and patient education were also highlighted as crucial steps in the process. Furthermore, reusing needles or syringes was discouraged due to the risk of infection and complications, and healthcare professionals were cautioned against rushing through the administration process, with a strong emphasis on following proper procedures to ensure patient safety. Overall, the lecture stressed the importance of adhering to institution-specific policies and current best practices in the parenteral department for the well-being of patients. Amit Sandanshive answered many questions from the students. A total of 56 attendees were present for this session.</p>
Name of Coordinator	Dr. R. E. Mutha/Dr. R. S. Tade/Mr. M. R. Mahajan
Name of Activity	“करिअर कट्टा IAS आपल्या भेटिला” - 23/10/2023


<p>Photos of the Event</p>	
<p>Summary of the Event</p>	<p>Mr. Bhunvesh Patil (IAS) and Ms. Garima Pawar (IAS) conducted a highly informative guest lecture on Competitive Exam guidance. Covering key components. IAS officers delivered an inspiring speech on the significance of competitive exams and shared personal experiences. Interactive Q&A sessions allowed direct engagement between officers and students, providing valuable insights. Guidance sessions covered study techniques, time management, and stress management strategies. Mock interviews and group discussions simulated exam conditions, boosting students' confidence. Career counseling sessions helped students explore diverse career paths.</p>
<p>Name of Coordinator</p>	<p>Mr. D. M. Patil & Ms. A. Y. Pathan</p>
<p>Name of Activity</p>	<p>Alumni interaction lecture – 03/11/2023</p>
<p>Photos of the Event</p>	


Summary of the Event	<p>Ms. Gayatri M. Patel alumni of the H. R. Patel Institute of Pharmaceutical Education and Research in Shirpur gave a lecture “Clinical Regulatory Writing & GPAT” held on held on 03rd November 2023 Friday at 1.00 pm. The program was chaired by the head of the alumni association, Dr. R. E. Mutha, and Mr. M. R. Mahajan and other professors were present. The main objective of the lecture was to inspire entrepreneurship, creativity, and innovation in our students in today's age of competition. The lecture highlighted the critical role of regulatory writing in the pharmaceutical and healthcare industry, emphasizing its significance in the development, approval, and post-market surveillance of pharmaceutical products. The speaker elaborated on the various documents and reports involved in clinical regulatory writing, such as Investigational New Drug (IND) applications, New Drug Applications (NDAs), and Common Technical Document (CTD) submissions. Furthermore, the lecture emphasized the importance of these skills for GPAT preparation, as they form a vital component of the pharmaceutical curriculum. It sheds light on how a strong grasp of clinical regulatory writing can benefit students aiming to excel in the GPAT examination, which is an essential step in pursuing a career in pharmacy. Lastly, Ms. Gayatri M. Patel answered many questions from the students. A total of 55 attendees were present for this session.</p>
Name of Coordinator	Dr. R. E. Mutha/Dr. R. S. Tade/Mr. M. R. Mahajan
Name of Activity	One day Seminar on Competitive Exam Preparations - 17/01/2024


<p>Photos of the Event</p>	
<p>Summary of the Event</p>	<p>Competitive examinations are pivotal assessments that determine entry into various educational institutes or career paths. They require rigorous preparation and a strategic approach. The outcomes of competitive examinations have shown a mixed trend over the past year. While success rates have varied across exams, it is evident that those who adopt comprehensive preparation methods tend to perform better.</p>
<p>Name of Coordinator</p>	<p>Dr. Zamir Khan, Mr. Vinod Patel, Mr. D. M. Patil</p>
<p>Name of Activity</p>	<p>Guest Lecture on “Application of 3-D printing in biotechnology” - 19/01/2024</p>
<p>Photos of the Event</p>	 <p>Shirpur, Maharashtra, India Karvand Naka, Mandal, Shirpur, Maharashtra 425405 Lat 21.356655° Long 74.892047° 19/01/24 12:46 PM GMT +05:30</p>
<p>Summary of the Event</p>	<p>The application of 3-D printing in biotechnology opens up a realm</p>



	<p>of possibilities. From creating replacement organs to enhancing drug delivery and personalizing medical care, the potential to improve lives is immense. As students in this rapidly evolving field, understanding these advancements can inspire us to push the boundaries of what's possible in biotechnology.</p>
<p>Name of Coordinator</p>	<p>Mr. P. S. Dabhade, Mr. D. M. Patil, Ms. A. Y. Pathan</p>
<p>Name of Activity</p>	<p>Guest Lecture on “Abroad Education Opportunities with Fellowship in Russia & Hungary” - 19/01/2024</p>
<p>Photos of the Event</p>	 <p>Shirpur, Maharashtra, India Karvand Naka, Mandal, Shirpur, Maharashtra 425405, India Lat 21.356631° Long 74.892086°</p>
<p>Summary of the Event</p>	<p>Pursuing your education in Russia or Hungary offers not only top-tier academic programs but also a chance to immerse yourself in rich cultures and histories. The fellowship and scholarship opportunities in these countries can significantly alleviate the financial burden of studying abroad, making your academic dreams more achievable.</p> <p>Remember to thoroughly research the specific programs, eligibility criteria, and application processes. Whether you're drawn to the historic charm of Russia or the cultural fusion of Hungary, these countries are beckoning with open arms for eager students seeking</p>



	<p>a transformative educational experience.</p> <p>This session aims to provide a glimpse into the vast opportunities awaiting students who dare to explore the realms of education in Russia and Hungary. Dive in, seize the chances, and embark on a journey that promises not just academic growth, but personal and cultural enrichment as well.</p>
Name of Coordinator	Mr. P. S. Dabhade, Mr. D. M. Patil, Ms. A. Y. Pathan
Name of Activity	Alumni interaction lecture – 24/01/2024
Photos of the Event	
Summary of the Event	<p>Mr. Hakim Patel alumni of the H. R. Patel Institute of Pharmaceutical Education and Research in Shirpur gave a lecture “<i>Competitive Exam Preparation (Forest Department)</i>” held on 24th January 2024 Wednesday 5.00 pm.. The program was chaired by the head of the alumni association, Dr. R. E. Mutha, and Mr. M. R. Mahajan, and other professors were present. The main objective of the lecture was to inspire entrepreneurship, creativity, and innovation in our students in today's age of competition. This guest lecture is a captivating exploration of strategies and insights to excel in competitive exams for the forest department. The lecture provides a roadmap for success, covering effective study techniques, exam-specific tips, and practical advice. Students will gain a deeper understanding of the intricacies of the examination process, empowering them to approach their preparation with confidence and</p>


	<p>a strategic mindset. Join us on this enlightening journey as we unlock the secrets to conquering the challenges and emerging victorious in the realm of forest department competitive exams. Finally, at the end of the lecture, in the question and answer session, Mr. Hakim Patel answered many questions from the students. A total of 59 attendees were present for this session.</p>
<p>Name of Coordinator</p>	<p>Dr. R. E. Mutha/Dr. R. S. Tade/Mr. M. R. Mahajan</p>
<p>Name of Activity</p>	<p>Guest Lecture on “How to cope with future challenges in Pharma profession” - 17/02/2024</p>
<p>Photos of the Event</p>	
<p>Summary of the Event</p>	<p>As you prepare to embark on your journey in the pharmaceutical profession, it is crucial to recognize the evolving landscape and the challenges that lie ahead. The industry is dynamic, with advancements in technology, changing regulations, and emerging global health needs. The pharmaceutical profession offers</p>

	<p>immense opportunities for growth and impact. By embracing lifelong learning, adaptability, technology, collaboration, ethics, globalization, and well-being, you can navigate the future challenges with confidence.</p>
<p>Name of Coordinator</p>	<p>Mr. D. M. Patil, Ms. A. Y. Pathan</p>
<p>Name of Activity</p>	<p>One day Seminar on National Education Policy (NEP) 2020 – 21/02/2021</p>
<p>Photos of the Event</p>	
<p>Summary of the Event</p>	<p>On the 21st of February 2024, a seminar on the National Education Policy (NEP) – 2020 was held at H. R. Patel Institute of Pharmaceutical Education and Research, Shirpur, proved to be an enlightening and motivating event for attendees. Organized in collaboration with the B S Council of Education & Research, Pune, the seminar aimed to disseminate insights into the NEP-2020 and its implications on the education sector.</p> <p>The event commenced with esteemed guest lectures from Prof. Dr. B. S. Kuchekar, a renowned figure in the field of pharmacy education. Dr. Kuchekar, who serves as the Dean of Faculty of Pharmacy & Student Affairs at MIT World Peace University, Pune,</p>


	<p>and also as an advisor to the Faculty of Pharmacy, shared profound insights into the NEP and its major reforms. His comprehensive discourse covered various aspects of the policy, including its objectives, strategies, and the envisioned transformation in the education landscape. Attendees gained valuable understanding regarding the structural changes, curriculum revisions, and the emphasis on holistic development embedded within the NEP framework.</p> <p>Following Dr. Kuchekar's lecture, Dr. Gajanan Patil, another esteemed speaker, took the stage to share his perspectives on NEP. Dr. Patil, through his words, not only elaborated on the significance of NEP but also motivated attendees to actively engage with the reforms outlined in the policy. His speech instilled a sense of purpose and enthusiasm among the audience, encouraging them to embrace the opportunities for innovation and improvement within the education sector. The discussions generated during the seminar are expected to catalyze further deliberations and actions towards the effective implementation of NEP reforms in the academic sphere.</p>
Name of Coordinator	Dr. S. B. Bari, Mr. D. M. Patil, Dr. R. S. Tade
Name of Activity	Guest Lecture on “Career opportunities for admission in UK based Universities” - 07/03/2024
Photos of the Event	 <p>GPS Map Camera Shirpur, Maharashtra, India Karvand Naka, Mandal, Shirpur, Maharashtra 425405, India Lat 21.356531° Long 74.891983° 07/03/24 01:34 PM GMT +05:30</p>

	
<p>Summary of the Event</p>	<p>The outcomes of exploring "Career opportunities for admission in UK based Universities" may include: Increased Awareness: Individuals gain a better understanding of the wide array of career opportunities available to them upon completing their education in the UK, encouraging informed decision-making regarding their academic pursuits.</p>
<p>Name of Coordinator</p>	<p>Dr. Z. G. Khan, Mr. D. M. Patil, Ms. A. Y. Pathan</p>
<p>Name of Activity</p>	<p>One Day National Level Workshop – 23/03/2024</p>
<p>Photos of the Event</p>	

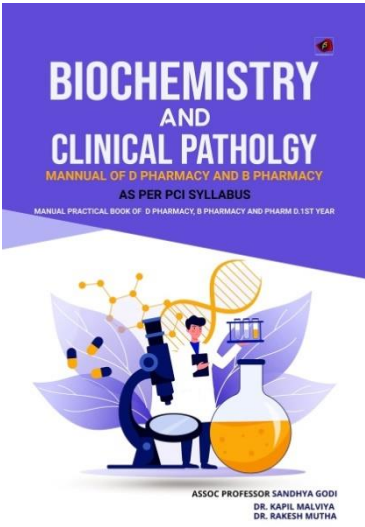

	
Summary of the Event	<p>The Workshop on Exploration of Medicinal Plant Application Commercialization and Market Search was held with the primary objective of elucidating the potential of medicinal plants in various industries and exploring avenues for their commercialization. Hosted in Seminar Hall, HRPIPER the workshop aimed to bring together experts, researchers, entrepreneurs, and stakeholders to foster discussions, share insights, and formulate strategies for leveraging medicinal plants in commercial markets</p> <p>Number of out of State Participants: 07</p> <p>Total Number of Participants: 171</p> <p>Total Number of Poster Participants: 43</p>
Name of Coordinator	Prof. Vishal S Bagul (Coordinator), Dr. R. E Mutha (Convener)
Name of Activity	Hospital Visit IGM Hospital, Shirpur – 29/04/2024
Photos of the Event	

	
Summary of the Event	<p>Hospital visit was organized by the Training Placement Cell (TPC) at H. R. Patel Institute of Pharmaceutical Education and Research (HRPIPER). On 29th April second year B Pharm Students participated in Hospital visit at Indira Memorial Hospital, Shirpur. All students gather at Hospital at 9:30 Am and divided into 5 groups 15 each. Mr. Vishudas Girase firstly introduced Hospital Hirechy later Dr. Gopal Joshi and shubham suryvanshi shows different departments in Hospital like medicine, physiotherapy, ICU, Orthopidics, Paediatrics X-ray, Pathology, Operation Theatre, dylasis unit, Labor room etc. Dr. Gopal joshi explain importance of patients counseling to each group.</p>
Name of Coordinator	Dr. V. K. Chatap, Mr. S. K. Amale

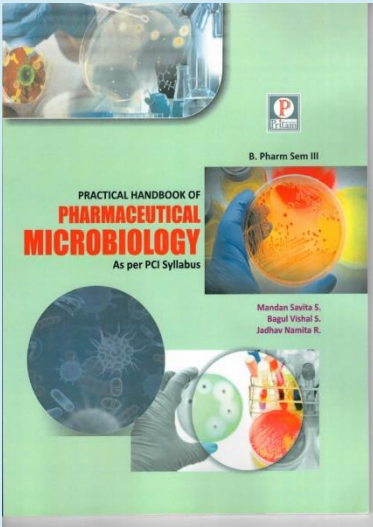
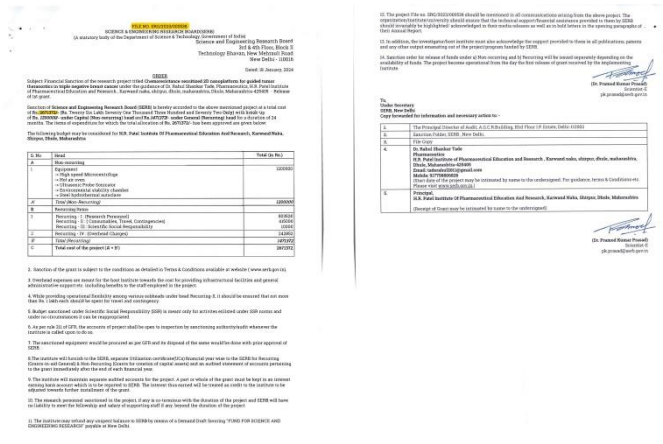
Faculty Achievements –



Name of Faculty Member	Dr. S. B. Bari
Achievement	Best Researcher Award (Publication Group) by KBCNMU, Jalgaon
Photo of the achievement	
Brief Description	<p>Dr. S. B. Bari has been awarded the Best Researcher Award (Publication Group) by KBCNMU, Jalgaon for her valuable contribution in the field of research. The KBCNMU honoured the researchers on the basis of publication of their research in national and international level as well as reputed periodicals and the impact of their research on knowledge, society, and innovation in the Annual Prize Distribution Ceremony of the KBCNMU, Jalgaon.</p>
Name of Faculty Member	Dr. Rakesh Eshwarlal Mutha
Achievement	Best Academician Award


<p>Photo of the achievement</p>	 <p>The image shows a white award plaque with a gold-colored decorative border on the left. The text on the plaque reads: "Best Academician Award Presented to" followed by a portrait of Dr. Rakesh Eshwarlal Mutha. Below the portrait, it says "Dr. Rakesh Eshwarlal Mutha", "HR Patel Institute of Pharmaceutical Education & Research Shirpur", "At NATIONAL CONFERENCE 'An Emerging Career in Clinical Informatics' 13th April 2024", "Organised by Lakshmi Narain of Pharmacy (RCP), Indore", and "In Association with Association of Pharmaceutical Teachers of India". Logos for HR Patel Institute and SKCLNCT are visible at the top.</p>
<p>Brief Description</p>	<p>Dr. Rakesh Eshwarlal Mutha, Associate Professor and Head, Department of Pharmacognosy conferred with Best Academician Award at National Conference organized by RCP, Indore in association with APTI on 13/04/2024.</p>
<p>Name of Faculty Member</p>	<p>Dr. Rakesh Eshwarlal Mutha</p>
<p>Achievement</p>	<p>Publication of Biochemistry and Clinical Pathology, Manual Practical Book</p>

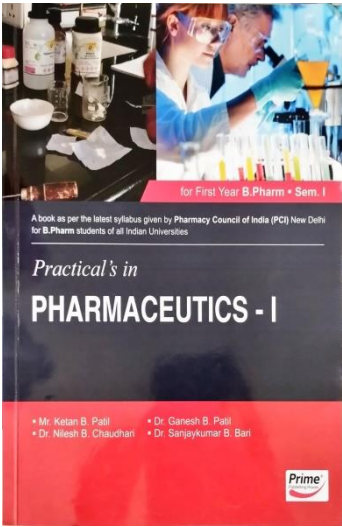
<p>Photo of the achievement</p>	
<p>Brief Description</p>	<p>With the co-authors Prof. Sandya Godi and Dr. Kapil Malviya, Dr. Rakesh Mutha published a practical book of Biochemistry and Clinical Pathology by Sankalp Publication, Chhattisgarh.</p>
<p>Name of Faculty Member</p>	<p>Mr. Mahendra R. Mahajan</p>
<p>Achievement</p>	<p>Secured Second Rank at International Conference</p>
<p>Photo of the achievement</p>	
<p>Brief Description</p>	<p>Presented a research paper and Secured Second Rank at the International Conference “Pharmacon 2023” on December 2nd, 2023. The conference, themed “<i>Advancement in Pharmaceutical</i></p>

	<i>Innovation: Exploring Benefits and Opportunities,</i> ” was organized by the Faculty of Pharmacy at Swami Vivekanand Subharti University in Meerut, India, in collaboration with the Pharmaceutical Educational Society.
Name of Faculty Member	Mr. Mahendra R. Mahajan
Achievement	Secured Second Rank in Avishkar 2023
Photo of the achievement	
Brief Description	Presented a research paper and Secured Second Rank at “Avishkar-2023,” a university-level event organized by KBCNMU Jalgaon on December 12 th -13 th , 2023.
Name of Faculty Member	Prof. Vishal Suresh Bagul
Achievement	Publication of Pharmaceutical Microbiology Practical Book

<p>Photo of the achievement</p>	
<p>Brief Description</p>	<p>With the co-authors Dr. Savita Mandan, published a practical book of Pharmaceutical Microbiology by Pritam Publication</p>
<p>Name of Faculty Member</p>	<p>Dr. Rahul S. Tade</p>
<p>Achievement</p>	<p>Startup Research Grant - SERB</p>
<p>Photo of the achievement</p>	
<p>Brief Description</p>	<p>Startup research grant awarded to fresh PhD research scholars for impressive and novel research ideas in the field of health and biomedical science. Faculty received an award for theranostic development for cancer treatment.</p>

Name of Faculty Member	Dr. Rahul S. Tade
Achievement	PD Patil Best Ph.D Thesis Award
Photo of the achievement	
Brief Description	Received best PhD thesis award in Pharmaceutical Science category. By Dr. DY Patil College, Pune.
Name of Faculty Member	Dr. Pravin O. Patil and Ms. Kajal Kolate
Achievement	Dr. P. D. Patil Best M. Pharm Thesis Award
Photo of the achievement	
Brief Description	In Dr. P. D. Patil Best M. Pharm Thesis Award Ms. Kajal Kolte won 1st Rank in Pharmaceutical Chemistry Category. As the

	winner she was felicitated with Rs.10000/- cash, trophy and certificate. Her mentored Dr. Pravin O. Patil was also honoured with Rs.10000/- cash and trophy as an outstanding mentor.
Name of Faculty Member	Mr. P. B. Patil
Achievement	Secured First Rank in Aavishkar 2023
Photo of the achievement	
Brief Description	The Aavishkar 2023 is an esteemed event celebrating innovation and excellence organised by KBCNMU, Jalgaon, Mr. P. B. Patil secured the first rank in the Teachers Running Project under the VCRMS category in Aavishkar 2023. The achievement was formally recognized in prize distribution ceremony where the winners presented with a trophy and certificate, both of which awarded by Vice Chancellor Dr. V. L. Maheshwari.
Name of Faculty Member	Mr. Ketan B Patil, Dr. Ganesh B Patil, Dr. Sanjaykumar B Bari
Achievement	Publication of Practical's In Pharmaceutics-I

<p>Photo of the achievement</p>	
<p>Brief Description</p>	<p>With the co-authors Dr. Ganesh B Patil, Dr Nilesh B Chaudhari, Dr. Sanjaykumar B Bari published a practical book of published a practical book of Pharmaceutics-I by Pritam Publication</p>

Institute Achievements –

Achievement	NAAC Accreditation with CGPA 3.06
Photo of the achievement	
Brief Description	<p>HRPIPER has been awarded the prestigious NAAC Accreditation with a CGPA of 3.06. This remarkable achievement reflects our unwavering commitment to excellence in education, innovative teaching practices, and continuous improvement.</p>
Achievement	<p>First Prize awarded by MSPC for celebration of "World Pharmacist Day"</p>

Photo of the achievement**Brief Description**

HRPIPER was honoured by the Maharashtra State Pharmacy Council by winning the First Prize from the Nashik Division for outstanding celebration of "World Pharmacist Day". In honour of the pharmacists who provide excellent and quality healthcare, the HRPIPER celebrated Pharmacist Day with enthusiasm by organizing awareness rally, street plays, poster presentation competition, blood group detection camp, body mass index detection camp and also planting trees.

List of Publications (2023 - 24) -

Sr. No	Name of Authors	Title of Publication	Journal Year, Volume (Issue), Page No.	Impact Factor
1	R Suresh, B Ramakrishna Vivekanand Chatap	Antifungal Nail Lacquer For Enhanced Transungual Delivery Of Ciclopirox Olamine	Latin American Journal of Pharmacy 2023, 42, 2	---
2	SN Nangare, PO Patil	Poly (allylamine) coated layer-by-layer assembly decorated 2D carbon backbone for highly sensitive and selective detection of Tau-441 using surface plasmon resonance biosensor	Analytica Chimica Acta 2023, 1271, 341474	6.2
3	AR Bukkawar, AK Jain, VK Chatap	Development and Evaluation of Vasoactive Intestinal Peptide Freeze-Dried Injection	International Journal of Drug Delivery Technology 2023, 13 (2), 597-604	---
4	B Akhade, VK Chatap, P Jain, M Bhat	Design, Development and Characterization of Ropinirole Mouth Dissolving Film by using Spin Coating Technique	International Journal of Drug Delivery Technology	---
5	VK Chatap, G Choudhari, P Jain, MR Bhat	Synthesis and Characterization of Hydroxypropyl Sesbania Galactamannan Seed Gum	International Journal of Pharmaceutical Quality	--

		for Pharmaceutical Application	Assurance 2023, 14 (2), 302-306	
6	N Chaudhari, VK Chatap, PP Jain, MR Bhat	Clotrimazole-loaded Silver Nano - cellulose fibre preparation and characterization	European Chemical Bulletin 2023, 12 (6), 1970-1976	--
7	Sharayu Chaudhari, Pravin Patil, Sanjaykumar Bari, Zamir Khan	A comprehensive exploration of tartrazine detection in food products: Leveraging fluorescence nanomaterials and electrochemical sensors: Recent progress and future trends	Food Chemistry 2024, 433, 137425	8.8
8	Prashant Patil, Jayvadan Patel	Preparation, characterization, and in vitro cytotoxicity activity of isothiocyanate-embedded polymeric nanoparticles for potential breast cancer targeting	Breast Cancer 2023, 30, 1065– 1078	4.0
9	Sakshi Bhardwaj, Dhanashree Javere, Pradnya Bagad, Likhit Akotkar, Vivekanad Chatap, Urmila Aswar	Medicinal Benefits of Black Rice (<i>Oryza Sativa</i> L. <i>Indica</i>): A Review	Advances in Pharmacology and Pharmacy 2023, 11(3): 199-207	--
10	Prashant	A Review Article:	Advances in	--

	Karamkar, Ashish Agrawal, Vivekanand Chatap	Formulation of Topical Gel by QbD Approach	Pharmacology and Pharmacy 2023, 11(2): 90- 101	
11	Bhavana Akhade, Vivekanand Chatap, Prashant Jain, Mahesh Bhat	Design, Development and Characterization of Ropinirole Mouth Dissolving Film by using Spin Coating Technique	International Journal of Drug Delivery Technology	---
14	Amit Bukkawar, Amit Jain, Vivekanand Chatap	Formulation Development and Evaluation of Freeze- dried Aviptadil Injection using Mannitol as Cryoprotectant	International Journal of Pharmaceutical Quality Assurance 2023, 14 (3), 541-547	---
15	Bhushan Marathe, Gaurav Patil, Vijay Dhangar and Vivekanand Chatap	Preparation and Characterization of Pitavastatin Calcium Loaded Biodegradable Porous Starch as Carrier Platform for Drug Delivery	International Journal of Pharmaceutical Sciences and Nanotechnology 2023, 16, 6	---
16	Sopan Nangare, Dipesh Gosavi, Jidnyasa Pantwalawalkar, Vivekanand Chatap	Custard apple peels containing saponin: isolation and formulation of herbal shampoo.	Indian Drugs 2023, 60 (8), 98	0.5
17	Pratiksha Devkar, Sopan Nangare,	Design of polyacrylamide grafted sesbania gum- mediated pH-responsive IPN-	International Journal of Biological	8.2

	Laxmikant Zawar, Nitin Shirsath, Piyush Bafna, Pankaj Jain	based microbeads for delivery of diclofenac sodium: In-vitro-in-vivo characterizations	Macromolecules 2023, 230, 123360	
18	Bhupesh Patil, Sopan Nangare, Laxmikant Zawar	Preparation of crystallinity-tailored silk fibroin-sodium alginate-based floating microbeads for nevirapine delivery	Cellulose Chemistry and Technology 2023, 57 (5-6), 527-539	1.2
19	Vipul Chaudhari, Shraddha Tawade, Sopan Nangare, Kirti Rajput, Nitin Shirsath, Piyush Bafna, Laxmikant Zawar	Chitosan–Sesbania Gum Mediated pH-Responsive Polyelectrolyte Complexes for Targeted Delivery of Diclofenac Sodium: Preparation and Spectroscopical Evaluation	Indian Journal of Pharmaceutical Education and Research 2023; 57 (3s):s564-s572	0.5
20	Ganesh Patil, Darshana Borse, Mahesh More, Dilip Patil	Gossypol-Embedded Casein Nanoparticles for Potential Targeting of Ovarian Cancer: Formulation, Characterization, and Anticancer Activity	Journal of Pharmaceutical Innovation 2023, 18, 563–574	2.6
21	Zamir Khan, Tanisha Agrawal, Sanjaykumar Bari, Sopan Nangare, Pravin	Application of surface nitrogen-doped graphene quantum dots in the sensing of ferric ions and glutathione: Spectroscopic investigations and DFT calculations	Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy 2024, 306,	4.4

	Patil		123608	
22	Lala Rathod, Pratap Dabhade, Santosh Mokale	Recent progress in targeting KRAS mutant cancers with covalent G12C-specific inhibitors	Drug Discovery Today 2023, 28, 103557	7.4
23	Dilip Morani, Pravin Patil	Review on Multifunctional Nanotherapeutics for Drug Delivery, Tumor Imaging, and Selective Tumor Targeting by Hyaluronic Acid Coupled Graphene Quantum Dots	Current Nanoscience 2024, 20 (1) 89-108	1.5
24	Sopan Nangare, Kalyani Chaudhari, Pravin Patil	Poly-L-lysine functionalized graphene quantum dots embedded zirconium metal-organic framework-based fluorescence switch on-off-on nanoprobe for highly sensitive and selective detection of taurine	Journal of Photochemistry and Photobiology A: Chemistry 2024, 446, 115158	4.3
25	Mahendra Mahajan, Pravin Patil	One pot synthesis of cobalt and nitrogen co-doped graphene quantum dots based fluorescence 'On-Off-On' probe for dimethoate sensing: A proof of concept	Inorganic Chemistry Communications 2023, 158, 111718	3.8
26	Sopan Nangare, Premnath Sangale, Ashwini Patil, Pravin Patil	Zinc metal-organic frameworks-graphene quantum dots nanocomposite mediated highly sensitive and selective fluorescence "On-Off-On" probe for sensing of	Acta Chimica Slovenica 2023, 70 (4) p661	1.7

		quercetin.		
27	Hrishikesh Rajput, Sopan Nangare, Zamir Khan, Ashwini Patil, Sanjaykumar Bari, Pravin Patil	Design of lactoferrin functionalized carboxymethyl dextran coated egg albumin nanoconjugate for targeted delivery of capsaicin: Spectroscopic and cytotoxicity studies	International Journal of Biological Macromolecules 2024, 256, 128392	8..2
28	S Dhawale, Pratap Dabhade, Santosh Mokale	Discovery of New Quinazoline Derivatives as VEGFR-2 Inhibitors: Design, Synthesis, and Anti-proliferative Studies	Anti-Cancer Agents in Medicinal Chemistry 2023, (23) 18, 2042-2055	2.8
29	Rahul Tade, Ashish Kalkal, Pravin Patil	Functionalized Graphene Quantum Dots (GQDs) based Label-Free Optical Fluorescence Sensor for CD59 Antigen Detection and Cellular Bioimaging	Journal of Fluorescence 2023,	2.7
30	Sopan Nangare, Sachin Chandankar, Pravin Patil	Design of carbon and graphene quantum dots based nanotheranostics applications for glioblastoma management: Recent advanced and future prospects	Journal of Drug Delivery Science and Technology 2023, 89, 105060	5.0
31	Sopan Nangare, Pravin Patil	Platinum-alginate-chitosan nanobioconjugate decorated carbon backbone layered biosensor for highly sensitive	International Journal of Biological Macromolecules	8.2

		and selective detection of BACE-1	2023, 250, 126224	
32	Jidnyasa Pantwalawalkar, Prachi Mhetar, Sopan Nangare, Rushikesh Mali, Anil Ghule, Pravin Patil, Suhas Mohite, Harinath More, Namdeo Jadhav	Stimuli-Responsive Design of Metal–Organic Frameworks for Cancer Theranostics: Current Challenges and Future Perspective	ACS Biomaterials Science and Engineering 2023, 9, 8, 4497–4526	5.8
33	Mahendra Mahajan, Sopan Nangare, Pravin Patil	Nanosize design of carbon dots, graphene quantum dots, and metal–organic frameworks-based sensors for detection of chlorpyrifos in food and water: A review	Microchemical Journal 2023, 193, 109056	4.8
34	Sopan Nangare, Pravin Patil	Poly (allylamine) coated layer-by-layer assembly decorated 2D carbon backbone for highly sensitive and selective detection of Tau-441 using surface plasmon resonance biosensor	Analytica Chimica Acta 2023, 1271, 341474	6.2
35	Zamir Khan, Pravin Patil	Fabrication of polyaspartic acid surface-modified highly fluorescent carbon quantum dot nanoprobe for sensing of reduced glutathione in real sample	Applied Nanoscience 2023, 3, 4437–4453	--
36	Dinesh Borhade,	Preparation of pirfenidone	Journal of Drug	5

	Sopan Nangare, Dilip Patil, Pravin Patil, Gaurav Patil, Ganesh Patil	loaded chitosan-polyvinyl alcohol-graphene oxide-based scaffold: Spectroscopical characterizations and antibacterial activity	Delivery Science and Technology 2023,82, 104325	
37	Sopan Nangare, Sairendhri Patil, Ashwini Patil, Prashant Deshmukh, Pravin Patil	Bovine serum albumin-derived poly-L-glutamic acid-functionalized graphene quantum dots embedded UiO-66-NH ₂ MOFs as a fluorescence 'On-Off-On' magic gate for para-aminohippuric acid sensing	Journal of Photochemistry and Photobiology A: Chemistry 2023, 438, 114532	4.3
38	Rahul Tade, Swapnil Jain, Janhvi Satyavijay, P Shah, T Bari, T Patil, R Shah	Artificial Intelligence in the Paradigm Shift of Pharmaceutical Sciences: A Review	Nano Biomedicine & Engineering 2024, 16(1): 64-77	--
39	K Kuna, S Baddam, S Kalagara, P Akkiraju, Rahul Tade, S Enaganti	Emerging natural polymer-based architected nanotherapeutics for the treatment of cancer	International Journal of Biological Macromolecules 2024, 262, 129434	8.2
40	Mustafa Zeyadi, Komal Chaudhari, Pravin Patil, Fahad A. Al-Abbasi, Naif A.	Development of a highly sensitive fluorescent probe using Delonix regia (Gulmohar) tree pod shell for precise sarcosine detection in human urine samples:	Journal of Biomolecular Structure and Dynamics 2024, 1–14	4.4

	R. Almalki, May Alqurashi, Imran Kazmi, Shaktipal Patil, Zamir Khan	advancing prostate cancer diagnosis		
42	Imran Kazmi, Muhammad Afzal, Faisal Imam, Sami Alzarea, Shaktipal Patil, Amrapali Mhaiskar, Ujashkumar Shah, Waleed Almalki	Barbaloin's Chemical Intervention in Aluminum Chloride Induced Cognitive Deficits and Changes in Rats through Modulation of Oxidative Stress, Cytokines, and BDNF Expression	ACS Omega 2024, 9c (6), 6976–6985	4.1
43	Rakesh Mutha, Swapnil Jain, Sachin Patel, Ganesh Patil	Formulation, Development, and Characterization of Carboxymethyl Chitosan Triggered Calcium Carbonate Hybrid Microspheres for Sustained Delivery of Quetiapine: In-vitro and Ex-vivo Studies	Journal of Macromolecular Science 2024, 1-16	1.4
44	Pratap Dabhade, Santosh Mokale, Shashikant Dhawale,	Discovery of New Quinazoline Derivatives as VEGFR-2 Inhibitors: Design, Synthesis, and Anti-proliferative Studies	Anti-Cancer Agents in Medicinal Chemistry 2023, 23 (18):2042-2055	2.8
45	Patil PB, Goswami H, Chaudhari A, Patel JK	Investigation of Antimicrobial Activity and Characterization of Isolated Allyl Isothiocyanate	International Journal of Drug Delivery Technology.	--

			2023;13(4):1406 -1411	
46	Pratap S. Dabhade, Santosh N. Mokale, Lala Rathod,	Recent progress in targeting KRAS mutant cancers with covalent G12C-specific inhibitors	Drug Discovery Today 2023, 8, 103557	7.4



PROGRAMME EDUCATIONAL OBJECTIVES

PEO 1: Academic Excellence: To provide sound knowledge of fundamental principles and their applications in the area of Pharmaceutical Sciences and Technology

PEO 2: Competency and Inventiveness: To produce pharmacy graduates with strong fundamental concepts and high technical competence in pharmaceutical sciences with innovative approaches.

PEO 3: Traits Improvement and Professionalism: To introduce regulation, professionalism, team spirit, communication skills, social and ethical commitment in the graduates in order to embellish leadership roles facilitating improvement in healthcare sector with a distinct professional identity, business acumen, global recognition and sustainable development.

PEO 4: Social Contribution: To train the students to contribute towards health care system by counselling for prophylaxis and prevention of diseases and creating awareness about healthcare issues.

