NIRMA UNIVERSITY

INSTITUTE OF PHARMACY

NAAC ACCREDITED 'A+' GRADE

B.PHARM.

VOLUME II

2026-27

STUDENTS' INFORMATION BOOKLET

प्रार्थना

या कुन्देन्दु तुषारहार धवला या शुभ्र वस्त्रावृता ।
या वीणा वर दण्ड मण्डितकरा या श्वेत पद्मासना ॥
या ब्रह्माच्युत शंकर प्रभृतिभिः देवैः सदा वन्दिता ।
सा मां पातु सरस्वती भगवती निःशेष जाड्यापहा ॥

श्लोक अर्थ - *जो विद्या की देवी भगवती सरस्वती कुन्द के फूल, चन्द्रमा, हिमराशि और मती के हार की तरह धवल वर्ण की हैं और जो श्वेत वस्त्र धारण करती हैं, जिनके हाथ में वीणा-दण्ड शोभायमान है, जिन्होंने श्वेत कमलों पर आसन ग्रहण किया है तथा ब्रह्मा, विष्णु एवं शंकर आदि देवताओं द्वारा जो सदा पूजित हैं, वही सम्पूर्ण जड़ता और अज्ञान को दूर कर देने वाली माँ सरस्वती हमारी रक्षा करें।*

Meaning - Salutations to Devi Saraswati, Who is pure white like Jasmine, with the coolness of Moon, brightness of Snow and shine like the garland of Pearls; and Who is covered with pure white garments, Whose hands are adorned with Veena (a stringed musical instrument) and the boon-giving staff; and Who is seated on pure white Lotus, Who is always adored by Lord Brahma, Lord Acyuta (Lord Vishnu), Lord Shankara and other Devas, O Goddess Saraswati, please protect me and remove my ignorance completely.

PREAMBLE

The Handbook for students, distributed in two volumes (Volume I and Volume II), provides comprehensive information about the Institute of Pharmacy (IPNU) at Nirma University, along with detailed descriptions of the undergraduate B. Pharm. programme.

Volume I of the Handbook encompasses general information about Nirma University. It outlines critical details about campus regulations, including student discipline and code of conduct guidelines. Additionally, it describes the academic infrastructure, teaching and learning processes, student-centric activities, and the general facilities and support services available to students on campus.

Volume II of the Handbook delves into the academic specifics of the Institute. It includes the Academic Rules and Regulations, encompassing the academic requirements and code of conduct policies for students at the University. This volume also provides essential information on registration procedures, the grading system, academic standards, attendance requirements, and disciplinary measures, along with various policies and necessary forms.

It is imperative for all students to familiarize themselves with the rules and regulations of both the Institute and the University. The University/Institute reserves the right to modify the rules and regulations outlined in the Handbook without prior notice. The University's decisions on all matters are final. For additional clarification, students are advised to contact the Student Section.

These Handbooks serve to inform students about the University and its programmes and should not be considered as the University's Regulation book. Consequently, no claims can be made based on the information provided in these Handbooks.

Professor Dr Gopal Natesan
MPharm, PhD (India), MBA (Malaysia),
PG Cert Teaching & Learning (UK), FHEA (UK), SEFM, RPh (India)
Director, Institute of Pharmacy

DIRECTOR'S MESSAGE

Dear Students,

Welcome to the Bachelor of Pharmacy (B. Pharm.) programme at the Institute of Pharmacy, Nirma University. It is with great pleasure and pride that I address you at the beginning of this transformative journey. Our B. Pharm. programme is designed to equip you with the knowledge, skills, and competencies required to excel in the ever-evolving field of pharmacy. As healthcare professionals, pharmacists play a pivotal role in patient care, ensuring the safe and effective use of medications, and contributing to the overall health and well-being of the community. Here at Nirma University, we are committed to nurturing your potential and guiding you towards becoming leaders in this noble profession.

The Institute of Pharmacy is distinguished by its state-of-the-art facilities, a rigorous curriculum, and a faculty composed of accomplished scholars and practitioners who are dedicated to providing you with a robust educational experience. Our curriculum is not only grounded in scientific and clinical excellence but also emphasizes the importance of ethics, communication, and empathy in healthcare.

Throughout your time in the B. Pharm. program, you will be engaged in a variety of learning experiences, including lectures, laboratory work, tutorials, industrial training and research projects. These experiences are designed to foster critical thinking, problem-solving, and lifelong learning. You will have the opportunity to work alongside healthcare professionals in diverse settings, gaining practical insights and honing your skills. We encourage you to take full advantage of the resources and opportunities available to you. Participate actively in class discussions, seek guidance from your mentors, and collaborate with your peers. Remember that your education is a journey of continuous growth, and the challenges you encounter are opportunities to develop resilience and expertise.

As you embark on this academic endeavour, I urge you to uphold the highest standards of professionalism and integrity. The pharmacy profession demands a commitment to ethical practice and compassionate care. Strive to make a positive impact on the lives of your patients and contribute to the advancement of the pharmacy field. I am confident that with dedication, perseverance, and a passion for excellence, you will achieve great success and make significant contributions to the healthcare community.

Welcome to the Institute of Pharmacy, Nirma University. I wish you all the best in your studies and future career.

Professor Dr Gopal Natesan
Director, Institute of Pharmacy

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SECTION A

General Information

ABOUT INSTITUTE OF PHARMACY

Institute of Pharmacy was established in the year 2003 under Nirma University with the aim of developing able professionals in the field of pharmaceutical sciences. In a short span of time, it has become one of the leading institutions in the country, offering pharmaceutical education at the undergraduate, postgraduate, doctoral and postdoctoral level.

The Institute offers B. Pharm., Pharm D., M. Pharm. (Pharmaceutics, Pharmacology, Pharmaceutical Analysis and Regulatory Affairs), Full time and Part time Ph.D. and Post-doctoral Programmes.

The Institute has adopted Outcome Based Education (OBE) to further advance the development of professional knowledge, inculcate employability skills in addition to development of character and social responsibility. To achieve the same objective, vision and mission of the institute was also defined in line with University's vision and mission. The Institute has also framed its programme educational objectives and programme outcomes. The Institute has more than 5.0 crore rupees grant from government agencies and has collaboration with various research centres and industries. The Institute houses state-of the-art instruments, like supercritical fluid extractor and chromatogram, HPTLC, HPLC, MPLC, GC, Fluorescence Spectrometer, Raman Spectrometer, UV-VIS-NIR Spectrophotometer, FTIR, DSC, ELISA, PCR, Electrophoresis, Texture Analyser, Automated Dissolution Apparatus, Extruder-Spheronizer, Multiple diffusion Assembly, High Pressure Homogenizer, Particle Size Analyser, Microwave synthesizer, Stereotaxic apparatus with Micro-dialysis as well as software's, like Gold Suit, eCTD, Design Expert, etc.

Institute is also equipped with Cell Culture Laboratory and Aseptic Laboratory (Class 1000) facility which provides all the basic and advanced equipment's required for the culturing of mammalian cells. The facility enables students to work with primary and secondary cell lines. It also has machine room with manufacturing and testing equipment's. The expertise of in-house faculty members and regular interactive sessions with national and international experts through workshops, conferences make the most of it for the young-minds of the Institute and other organizations in advancing their research.

The Institute has a two-storied animal house facility registered with the Committee for the Purpose of Control and Supervision of Experiments on Animals (CPCSEA), Government of India. Besides, there is also a medicinal plant garden "Nirma Herbal Wealth", having an area of 3356.5 sqm with around 150 genera and 500 plants.

VISION AND MISSION

VISION

Striving to excel in pharmaceutical education, research & innovation to develop outstanding professionals catering to the health care needs of the humankind.

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.

ACCREDITATION AND RANKING

The Institute of Pharmacy, Nirma University is a constituent institutes undergo accreditation and ranking periodically, which stimulate the academic environment for promoting quality of teaching, learning, and research. This also encourages self-evaluation, accountability, autonomy, and innovations in higher education. The University is accredited with "A+" grade by National Assessment and Accreditation Council (NAAC) in its 3rd cycle.

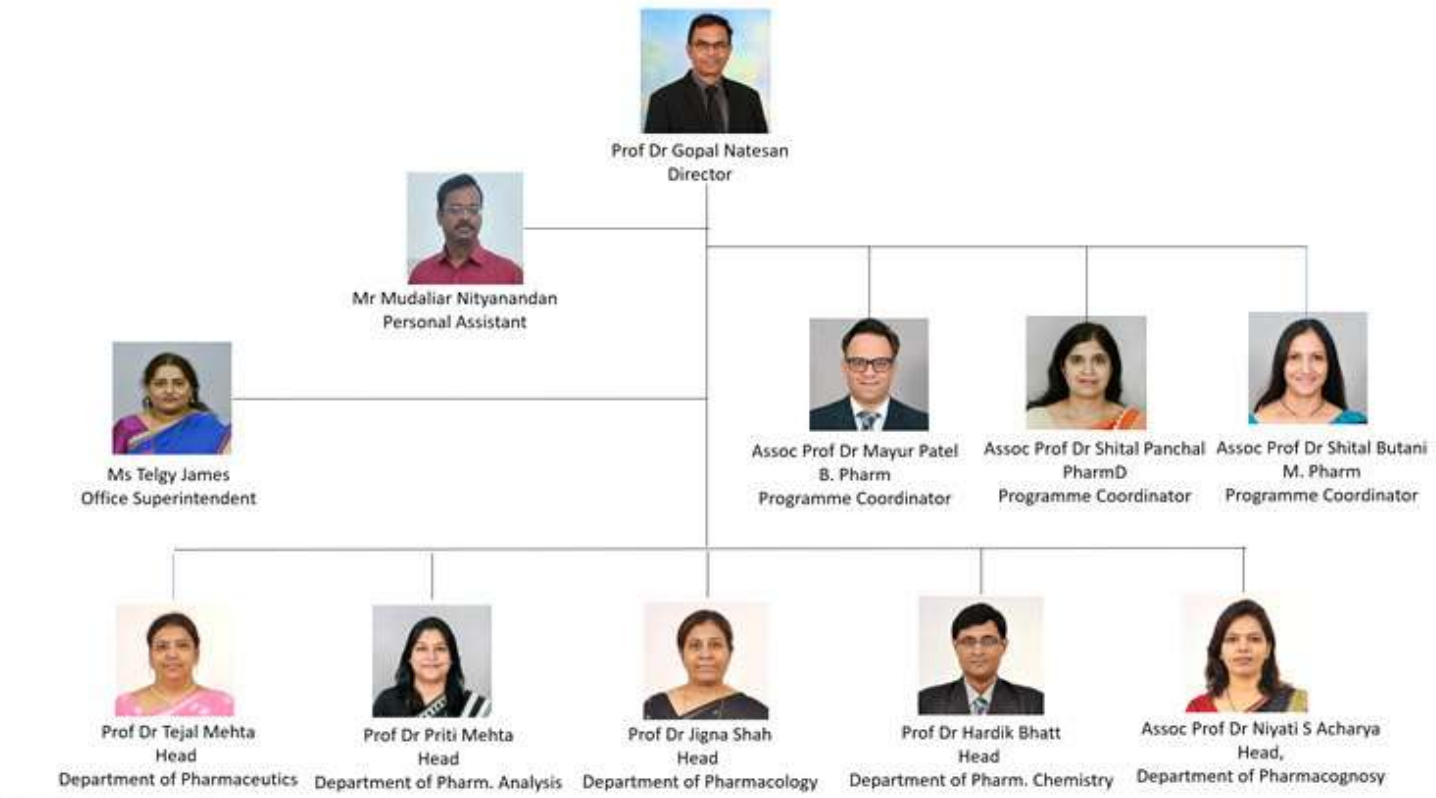
Institute has been ranked 32nd in India Ranking 2025 by Ministry of Human Resource Development, (MHRD), Government of India in its National Institutional Ranking Framework (NIRF). B. Pharmacy program is re-accredited by the NBA for three years, from 1 July 2025 to 31 December 2028.

The Institute of Pharmacy, Nirma University has been awarded an 'A' Grade by the Quality Council of India (QCI) / NABET under the Ranking and Rating of Pharmacy Colleges. This recognition is valid for five (5) years, from the academic year 2026–2027, and reflects the Institute's commitment to quality pharmacy education.

Institute of Pharmacy, Nirma University bagged the FIRST RANK amongst all Pharmacy Institutions of Gujarat state with FIVE STAR rating in Gujarat State Institutional Rating Framework (GSIRF) 2024 ratings by Knowledge Consortium of Gujarat, Dept. of Education, Government of Gujarat.

The University received the Centre of Excellence (CoE) status from the Government of Gujarat in January 2022 and was re-accredited in 2025 for 6 years.

INSTITUTE OF PHARMACY - ORGANISATION CHART



IMPORTANT CONTACT DETAILS AT UNIVERSITY LEVEL

S. No.	Programme Management Staff	Designation	Department	email id	Ext. No.
1	Dr Ravindra Sen	Deputy Registrar (Academic)	Academic	dy_registrar.nu@nirmauni.ac.in	9680
2	Dr Nilesh Patel	Deputy Registrar (Examination)	Examination	dy_registrar.exam@nirmauni.ac.in	9698
3	Dr Bhavesh Parekh	Students Welfare Board	Student Welfare	studentwelfare@nirmauni.ac.in	9557/ 9558

IMPORTANT CONTACT DETAILS AT INSTITUTE OF PHARMACY

S. No.	Programme Management Staff	Designation	Department	email id	Ext. No.
1	Ms Telgy James	Office Superintendent	Administrative Office	os.ip@nirmauni.ac.in	9011
2	Ms Pooja Pandey	Student Section	Administrative Office	sts.ip@nirmauni.ac.in	9715
3	Mr Hashmukh Rathod	Examination Section	Administrative Office	hasmukh.rathod@nirmauni.ac.in	9715
4	Ms Jigisha Patel	Student Section	Administrative Office	sts.ip@nirmauni.ac.in	9715
5	Mr Mudaliar Nityanandan	Personal Assistant to Director	Administrative Office	nityanandan@nirmauni.ac.in	9713
6	Dr Anshu Shrivastava	Assistant Professor	Cultural Coordinator, IPNU	anshu.srivastava@nirmauni.ac.in	-
7	Dr Richa Gupta	Assistant Professor	Cultural Coordinator, IPNU	richa.gupta@nirmauni.ac.in	-
8	Dr Vanrajsinh Thakor	Assistant Professor	Sports Coordinator, IPNU	vanrajsinh.thakor@nirmauni.ac.in	-
9	Dr. Tejas Dhameliya	Assistant Professor	NSS Coordinator, IPNU	tejasm.dhameliya@nirmauni.ac.in	-
10	Dr Udit Chaube	Assistant Professor	Attendance Coordinator	udit.chaube@nirmauni.ac.in	-

NETWORKING INITIATIVES AND COLLABORATIONS

The Institute of Pharmacy, Nirma University, actively fosters strategic collaborations through Memoranda of Understanding (MoUs) with leading academic institutions, research organizations, healthcare agencies, and industry partners in India and across the globe. These partnerships serve as a vital platform for academic, research, and professional engagement, enabling the exchange of knowledge, expertise, and resources for mutual growth and advancement.

MoUs facilitate a wide range of collaborative activities, including joint research initiatives, academic collaborations, skill-development activities, and interdisciplinary projects. Such partnerships enhance the Institute's academic ecosystem by providing access to diverse perspectives, advanced technologies, specialised infrastructure, and emerging areas of pharmaceutical sciences.

Through collaborative research efforts, the Institute contributes to significant advancements in drug discovery, pharmaceutical development, innovative therapeutic approaches, and healthcare solutions. These collaborations also create opportunities for faculty members and students to participate in national and international workshops, seminars, conferences, training programmes, and other professional development activities, ensuring continuous learning and exposure to global best practices. Industry-oriented MoUs further strengthen the Institute's commitment to career readiness by facilitating internships, industrial training, expert interactions, and placement opportunities. These engagements help bridge the gap between academic learning and industry expectations, equipping students with the knowledge, skills, and professional competencies required in the evolving pharmaceutical sector.

Institute's extensive network of national and international collaborations reflects its dedication to excellence in education, research, innovation, and societal impact. By cultivating meaningful partnerships, the Institute continues to create a dynamic and globally connected environment that promotes academic enrichment, research excellence, and professional growth for its students and faculty.

MoU with Foreign Universities/Organizations

- Binghamton University, New York, USA
- Massachusetts College of Pharmacy and Health Science - MCPHS University, Boston, USA
- University of Southern California, USA
- University of Turin, Torino, Italy
- Universiti Teknologi MARA, Malaysia
- Changwon National University, South Korea
- Plovdic University, Bulgaria
- Tirupati USA, LP.

MoU with Hospitals /Research Organizations

- Physical Research Laboratory (PRL), Ahmedabad
- Space Application Centre (ISRO), Ahmedabad
- Apollo Hospitals International Ltd, Ahmedabad
- KD Hospital, Ahmedabad
- SGVP Holistic Hospital, Ahmedabad
- EPIC Hospital, Ahmedabad
- Operant Pharmacy Federation, Pali, Rajasthan

MoU with Industries

- Cadila Pharmaceutical Research Centre, Ahmedabad
- Intas Pharmaceuticals Ltd., Ahmedabad
- Amanta Healthcare Ltd., Ahmedabad
- Finecure Pharmaceuticals Ltd., Ahmedabad
- Piramal Drug Development Services Ltd, Ahmedabad
- West Coast Pharmaceutical Works Ltd., Ahmedabad
- Novo Bliss Research Private Ltd., Ahmedabad
- Lexcru Water Industries Pvt. Ltd., Ahmedabad
- Evonik Pharma, Ahmedabad
- Sushen Medicaments, Ahmedabad
- PharmaLab India Pvt. Ltd., Ahmedabad
- BioDev Services Pvt. Ltd., Ahmedabad
- MIT-45 Inc., USA' in MoU with Industries
- Molkem Chemicals Pvt Ltd
- Shukra Laboratories

INDUSTRY PARTNERS / RECRUITERS

Institute of Pharmacy is honored to engage in collaborations with prominent organizations in the pharmaceutical, healthcare, and related sectors. Our valued industry partners significantly enhance our research, internships, and overall educational experience, driving innovation in the field.

1. Alembic Pharmaceuticals Ltd
2. Amneal Pharmaceuticals Ltd
3. COD Research
4. Corona remedies pvt ltd
5. Cliantha Research
6. Finecure Pharmaceuticals Ltd
7. HOF Pharmaceuticals Ltd
8. Intas Pharmaceuticals Ltd
9. La Renon healthcare Pvt Ltd
10. Lambda Therapeutic Research Ltd
11. Macleods Pharmaceuticals limited
12. Marico Limited
13. Meril Life Sciences Pvt Ltd
14. Molkem Chemicals
15. Ortiv Q3 Research Private Limited
16. Stallion Labs
17. Sun Pharmaceuticals Ltd
18. Sundyota Numandis Pharmaceuticals Ltd
19. Stivaph Healthcare Pvt Ltd
20. Tata Consultancy Services
21. Torrent Pharmaceuticals Ltd
22. Troikaa Pharmaceutical Limited
23. Unison Pharmaceuticals Private Limited
24. Veeda Clinical Research
25. Westcoast pharmaceuticals ltd
26. Xylopia Labs Pvt Ltd
27. Zydus Lifesciences Limited

INTERNATIONAL RELATIONS OFFICE

International Collaborations

With advancements in communication technologies, affordable travel, and changing mindsets, globalization has significantly increased over the last decade. Universities can leverage this trend for mutual benefits through strategic partnerships. Collaborations with multinational companies also facilitate practical research, employment opportunities, and social engagement. The International Relations Office at Nirma University is dedicated to planning and executing global collaborations to enhance the quality of education, aligning with the dynamics of 21st-century learning for our students.

This includes establishing strategic partnerships with leading universities and research institutions worldwide to foster academic and research excellence, facilitating exchange programmes that offer students and faculty international exposure, cultural exchange, and diverse academic experiences, and collaborating on joint research projects with international partners to address global challenges and advance knowledge in various fields. Additionally, partnering with multinational companies provides students with international internships and employment opportunities, enhancing their global employability. The Office also focuses on organizing and participating in international workshops, seminars, and conferences to stay abreast of global trends and innovations in education and research, sharing technological resources and expertise with international partners to enhance research capabilities and educational resources, and collaborating with international accrediting bodies to ensure that the educational standards meet global benchmarks.

International Students Affairs

The International Relations Office is also dedicated to helping international students, faculty, and scholars achieve their academic, personal, and professional goals. This is accomplished through advising, facilitating visa processes, promoting cross-cultural opportunities, and offering services designed with international aspects in mind. The Office provides comprehensive support to ensure a smooth transition for international students and staff, addressing their unique needs and challenges.

Additionally, the International Relations Office works to integrate international students into the campus community by organizing cultural events, orientation programs, and social activities. These initiatives help foster a welcoming and inclusive environment, encouraging interaction and understanding between local and international members of the university.

Furthermore, the Office collaborates with academic departments to develop tailored academic support services, including language assistance, tutoring, and mentoring programs. By doing so, it ensures that international students can thrive academically and reach their full potential.

The International Relations Office also establishes networks with alumni worldwide, creating a global community that supports ongoing collaboration, networking, and career opportunities for graduates. This global alumni network provides valuable resources and connections for current students and recent graduates as they embark on their professional journeys.

Overall, the International Relations Office plays a crucial role in enhancing the internationalization of Nirma University, ensuring that all members of the university community benefit from a diverse and globally connected educational experience.

PLACEMENT OFFICE

The Placement Office of Nirma University serves as a vital link between academia and industry, fostering strong engagement with pharmaceutical companies and contract research organisations (CROs). These interactions enhance student training and create placement opportunities.

Each Institute of the University has a dedicated Placement Office managed by a Corporate Relations Manager, supported by faculty placement coordinators and student coordinators under the guidance of the Director. The Placement Office facilitates a range of career-oriented activities, including industrial visits, internships, industrial training, expert interactions, and campus recruitment drives.

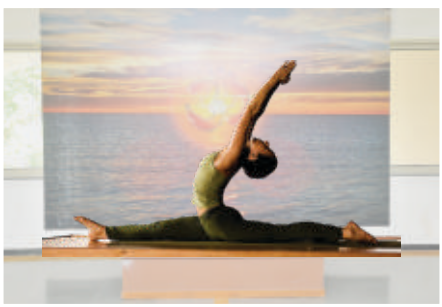
To ensure students are well-prepared for professional careers, the Institute conducts training programmes focused on communication skills, aptitude development, technical competencies, and overall employability. Mock interviews are also organised to familiarize students with recruitment processes and enhance their confidence.

Through these initiatives, the Placement Office plays a key role in enabling a smooth transition from academic learning to professional practice.

INFRASTRUCTURE AND AMENITIES

The placement cell is fully equipped with all modern amenities. The rooms are air-conditioned and equipped with multimedia and audio-visual equipment to facilitate effective interaction. Additionally, the following facilities are also available on campus:

- Dedicated access to Computer Lab for conducting online tests
- Air-conditioned halls for presentations
- Conference Rooms
- Interview Rooms
- Skype/Video Conferencing
- Internet/Wi-Fi access
- Guest House for Corporate Visitors
- Food Court
- ATM Facilities
- Health Club and Gym
- Health Care Centre
- Book Store
- Canteen
- Art Gallery
- Cricket Ground



INDUSTRIAL TRAINING AND PROJECTS

- The Placement Cell plays a pivotal role in securing industry training and project opportunities for students during the summer vacation. These experiences are crucial for their professional development and growth.
- Industrial training is an integral component of the curriculum, designed to prepare students for real-world challenges. Depending on the programme requirements, undergraduate and postgraduate students are placed in various industries for periods ranging from 4 to 24 weeks. During this time, they work under the supervision and guidance of industry professionals, with regular monitoring and evaluation conducted by the placement team.
- By integrating these elements, we ensure that our students are well-equipped with the skills and experience needed to thrive in their professional careers.

SALIENT FEATURES
OF THE INSTITUTE OF PHARMACY, NIRMA UNIVERSITY

Over the years, the Institute of Pharmacy at Nirma University has established itself as a premier institution, achieving excellence in various domains. Here's a detailed look at its salient features:

State-of-the-Art Infrastructure

Imagine stepping into a laboratory that feels like a high-tech playground. The Institute boasts well-equipped labs with the latest instruments and technology, ensuring students can conduct experiments and research with precision. The advanced research centres are hubs for innovation, where ground breaking discoveries are made. Additionally, the specialized classrooms are designed to enhance learning experiences with modern amenities like smart boards and interactive setups.

Expert Faculty

Think of the faculty as a team of superheroes in the field of pharmacy. Each faculty member is highly qualified, often with advanced degrees from prestigious institutions. They have received awards and patents for their contributions to science, ensuring they bring the latest knowledge to the classroom. Their publications in reputed journals signify their active involvement in cutting-edge research, providing students with insights from the frontlines of the industry.

Cutting-edge Research Opportunities

Imagine being part of a detective team solving mysteries of diseases and drug interactions. The Institute encourages interdisciplinary projects, allowing students to work at the intersection of various fields like chemistry, biology, and engineering. Collaborations with the industry and publications in reputed journals ensure that students contribute to real-world advancements and stay abreast of the latest developments.

Industry Programmes

Picture a bridge that connects the classroom to the corporate world. Through workshops, seminars, and networking events, students gain practical exposure, learning directly from industry experts. These programmes are designed to enhance career development, ensuring students are industry-ready by the time they graduate.

Placement and Internship Support

Think of this feature as a launchpad for careers. The Institute has a dedicated placement and internship support team that works tirelessly to connect students with top pharmaceutical

companies. With strong industry ties, students have numerous opportunities to secure internships and placements, ensuring a smooth transition from academic life to professional careers.

Entrepreneurship Support

Imagine a greenhouse nurturing young plants into flourishing trees. The Institute fosters a culture of innovation and enterprise, encouraging students to explore entrepreneurship. Through incubation support and start-up initiatives, students receive guidance and resources to turn their innovative ideas into successful businesses.

Global Collaborations

Envision a global classroom without walls. The Institute has partnerships with renowned international universities and research institutions, offering students opportunities for global exposure. Through exchange programmes and collaborative research, students can broaden their horizons and gain diverse perspectives.

Institute Advisory Committee

Think of this committee as a council of wise mentors. It comprises eminent personalities from academia and industry who guide the Institute's practices. They monitor and steer teaching-learning practices, research initiatives, and consultancy projects, ensuring the Institute remains at the forefront of academic excellence.

Interactive Learning

Imagine a classroom where learning feels like a fun, interactive game. The Institute utilizes modern tools, web resources, and Wi-Fi to create an engaging learning environment. This fosters active engagement and knowledge retention, making education more effective and enjoyable.

Mentoring and Guidance

Think of this as having a personal coach for your academic and personal development. Students receive constant mentoring on a one-to-one basis, focusing on career guidance, personal development, and motivation. This ensures that each student receives tailored support to achieve their full potential.

Communication and Exam Coaching

Picture a boot camp for communication skills and competitive exams. The Institute provides skills training and preparation for exams like GPAT, TOEFL, GRE, etc. This enhances students' overall employability and academic achievements, equipping them with the tools needed to excel in their careers.

Library Services

Imagine a treasure trove of knowledge at your fingertips. The Institute boasts an excellent, fully automated library with over 9990 volumes of books, 98 e-journals, and 23 print periodicals. With remote log-in facilities, students can access databases and reference materials from anywhere, supporting their academic and research needs.

Industry Exposure

Think of this as a sneak peek into the professional world. Through summer training and industry visits, students gain real-world insights and practical experience. This exposure is invaluable in understanding industry dynamics and applying theoretical knowledge to practical scenarios.

Campus Facilities

Picture a campus that feels like a small, self-sufficient town. The Institute offers transportation, a modern canteen, medical services, banking, and an in-house doctor with ambulance services. These facilities ensure that students have a comfortable and supportive environment for their studies.

Support for Needy Students

Imagine a library that lends not just books but also a helping hand. The book bank facility ensures that all students have equitable access to necessary study materials, supporting those in need.

Anti-Ragging Policy

Think of a safe haven where learning is the primary focus. The Institute has a strict anti-ragging policy, ensuring a safe and respectful learning environment for all students.

Recreational Facilities

Picture a campus where students can unwind and stay fit. With playgrounds, indoor games, and a gymnasium, the Institute encourages physical activities and overall well-being, ensuring students have a balanced lifestyle.

These features collectively make the Institute of Pharmacy at Nirma University a nurturing ground for future leaders in the field of pharmacy, combining academic rigor with practical experience and personal development.

SECTION B

Student Centric Information

ABOUT THE PROGRAMME

The Bachelor of Pharmacy programme at the Institute of Pharmacy, Nirma University is a four-year (eight semesters) undergraduate programme that has been designed to provide in-depth knowledge and practical experience in the field of pharmacy. The curriculum is designed to enhance the skills of the students in terms of knowledge, communication, patient care, healthcare system organisations, development of professional identity, critical thinking, and lifelong learning. The Institute has introduced an innovative approach to Outcome Based Education (OBE) in the curriculum, befitting the needs of the day. The core pharmacy subjects include Pharmaceutics, Pharmacology, Pharmaceutical Chemistry, Pharmaceutical Analysis, and Pharmacognosy. Each semester consists of at least 100 working days, including examinations, ensuring thorough coverage of the course material.

GRADUATE ATTRIBUTES (GA'S) FOR B. PHARM PROGRAMME

Graduate Attributes (GAs) represent the key competencies and professional qualities expected from every pharmacy graduate.

1. Pharmaceutical Knowledge Proficiency: Strong grounding in core and applied pharmaceutical sciences and practice.
2. Scientific and Analytical Thinking: Ability to critically analyze data, processes, and clinical information.
3. Ethical and Professional Integrity: Commitment to ethical conduct, patient safety, and regulatory compliance.
4. Patient-Centered Orientation: Sensitivity to patient needs, cultural diversity, and healthcare outcomes.
5. Industry and Practice Readiness: Preparedness for roles in industry, hospitals, community pharmacy, research, and regulation.
6. Digital and Technological Awareness: Familiarity with AI, data analytics, automation, and modern pharmaceutical technologies.
7. Effective Communication Skills: Clear, empathetic, and professional interaction across healthcare settings.
8. Teamwork and Leadership Skills: Ability to collaborate, lead, and contribute constructively in teams.
9. Innovation and Problem-Solving Mindset: Capability to identify problems and develop practical, evidence-based solutions.
10. Lifelong Learning Orientation: Motivation for continuous professional development and higher education.

PROGRAMME EDUCATIONAL OBJECTIVES (PEOS)

The Bachelor of Pharmacy (B. Pharm) programme aims to prepare graduates with strong knowledge of pharmaceutical sciences, practical skills, professional ethics, and a commitment to patient care and public health.

The graduates of the programme are expected to achieve the following Programme Educational Objectives (PEOs):

PEO No.	Programme Educational Objectives
PEO 1:	Apply fundamental knowledge of pharmaceutical sciences to work effectively in pharmacy practice, pharmaceutical industry, research, and related healthcare fields.
PEO 2:	Demonstrate practical skills in drug formulation, manufacturing, pharmaceutical analysis, quality control, and pharmacy practice.
PEO 3:	Use scientific reasoning and problem-solving skills to address challenges related to medicines, drug development, and patient care.
PEO 4:	Practice pharmacy with ethical responsibility, good communication, teamwork, and concern for patient safety and public health.
PEO 5:	Pursue continuous learning and professional development to keep pace with advances in pharmaceutical sciences and healthcare.

PROGRAMME OBJECTIVES (POS)

PO1: Pharmacy Knowledge

Apply comprehensive knowledge of pharmaceutical sciences, biomedical sciences, pharmacology, pharmacognosy, pharmaceutical chemistry, pharmacy practice, and manufacturing processes to understand drug actions, disease mechanisms, and therapeutic interventions and solve professional problems across diverse pharmacy domains.

PO2: Problem Analysis, Critical Thinking and Evidence-Based Decision Making

Identify, formulate, analyze, and interpret complex pharmaceutical problems using principles of scientific inquiry, critical thinking, biostatistics, and evidence-based reasoning to arrive at defensible solutions and informed decision-making.

PO3: Pharmaceutical Skills & Practice

Demonstrate proficiency in formulation development, analysis, quality assurance, pharmacovigilance, clinical pharmacotherapy, and pharmacy practice through laboratory work, simulations, internships, and experiential learning.

PO4: Modern Tools, AI & Digital Competence

Select, apply, and evaluate modern pharmaceutical tools, analytical instruments, digital technologies, artificial intelligence, machine learning, and computational techniques with awareness of their limitations and ethical use.

PO5: Research & Innovation

Design and conduct basic research, analyze data, interpret results, and contribute to innovation through research projects, startup initiatives, and problem-based learning relevant to industry, healthcare, and society.

PO6: Professional Ethics & Human Values

Apply ethical principles, professional integrity, regulatory frameworks, intellectual property rights, and universal human values while addressing professional, legal, and societal responsibilities in pharmacy practice.

PO7: Communication & Interpersonal Skills

Communicate effectively with patients, healthcare professionals, industry personnel, and society through clear documentation, reports, presentations, counseling, teamwork, and interdisciplinary collaboration.

PO8: Leadership, Management & Entrepreneurship

Demonstrate leadership, teamwork, planning, and managerial skills in pharmaceutical organizations, healthcare systems, quality systems, and entrepreneurial ventures, including innovation and startup ecosystems.

PO9: Pharmacist & Society

Evaluate public health, patient safety, legal, and societal issues related to pharmacy practice and contribute responsibly to healthcare delivery, rational use of medicines, and improvement of community health outcomes.

PO10: Environment and sustainability

Recognize and address the environmental impact of pharmaceutical manufacturing, use, and disposal, and promote environmentally responsible practices, green pharmacy principles, and sustainable healthcare aligned with the United Nation's Sustainable Development Goals (SDGs).

PO11: Life-Long Learning & Professional Development

Recognize the need for continuous learning and demonstrate the ability to engage in self directed, life-long learning to adapt to technological advancements, evolving healthcare needs, and professional growth.

COMPONENTS OF COURSES

The academic schedule of the courses may consist of one or more of the following components with their respective scope as described.

Lecture

Teaching learning sessions conducted through real and virtual classrooms with various multimedia aids and other forms of students learning engagements as per requirement of the course and approved by the Dean.

Practical Work (LPW)

Supplementary to classroom teaching and professional preparation as per Practical Work Policy of the Institute and as amended from time to time.

Field Project:

Formal projects students need to undertake that involve conducting surveys outside the college/university premises and collection of data from designated communities or natural places

Project Work

All students shall undertake a project under the supervision of a teacher and submit a report, preferably with the involvement of an external mentor from Industry, Hospital, NABL or CDSCO-approved labs, or an Allied/Interdisciplinary field. The project shall be carried out in groups not exceeding three members. The project report must be submitted in triplicate as a typed and bound copy of no less than 25 pages. Internal and external examiners appointed by the University shall evaluate the project during the practical examinations of the respective semester(s), and students shall be evaluated in groups. Additionally, students are permitted the option to pursue a continuous research theme initiated in the seventh semester and extending through the eighth semester. Under this provision, the specific project milestones achieved by the conclusion of the seventh semester shall undergo formal evaluation by the appointed examiners during that semester's final examination. The projects shall be evaluated as per the criteria given in the Revised Regulation for the B. Pharm Degree Programme Choice Based Credit System (CBCS) by PCI.

Internships

Every candidate shall be required to complete a minimum of 240 hours of practical training, spread over a period of two semesters, in a Pharmaceutical/ Cosmetics/ Medical Devices/ Food Industry, or in a Hospital/Community Pharmacy, or any other relevant field as per the prescribed course content. He/she has to submit two internship reports which will be evaluated separately.

INDUSTRY / FIELD VISITS AND OTHER CO-CURRICULAR ACTIVITIES

It shall be compulsory for pharmacy Institutions to organize industrial/field visit and other cocurricular activities to promote holistic learning through participative, problem-based, experiential and innovative pedagogical methods. Students shall submit individual reports, which shall be assessed in continuous evaluation mode as part of any core course each year, as decided by the Programme Committee.

INDUSTRY / FIELD VISITS

It shall be compulsory for students to undertake at least one industrial/field visit during each year to facilities involved in the manufacturing of active pharmaceutical ingredients, excipients, pharmaceutical formulations, medical devices, food, cosmetics, government/ NABL approved drug and medical device testing laboratories or NABH accredited hospital. It shall be assured by the institutions that the facilities chosen for a particular year shall not be repeated.

EXAMINATION

The examination system in the B. Pharm. programme is designed to encourage systematic and continuous study among students. Continuous Evaluation (CE), laboratory work (PW) and project work are assessed regularly. Students are required to maintain regular attendance and complete all assignments and practicals to acceptable standards.

Each semester includes a final semester end examination (SEE) and a supplementary examination, with both written and practical (including oral) components. The maximum marks for each part of a course are specified in the Teaching and Examination Scheme.

To pass, a student must secure at least 50% marks separately in the theory examinations, including sessional marks, and at least 50% marks in each of the practical examinations, also including sessional marks. The Semester End Examination (SEE) covers the entire syllabus and is conducted at the end of each semester. For students who receive an F grade in a current semester, supplementary examinations (SPE) may be offered after the SEE under IR registration.

For detailed information on grades, passing standards, and related matters, refer to the Academic Rules and Regulations section in the programme booklet.

INSTITUTE OF PHARMACY, NIRMA UNIVERSITY

ACADEMIC CALENDAR

ACADEMIC CALENDAR (October 2026 to March 2027) AY : 2026-2027

B.Pharm Sem I	
Semester Commencement	26-10-2026
Student's Orientation	26-10-2026 to 28-10-2026
Sessional Examination I (Theory)	10-12-2026 to 17-12-2026
Sessional Examination I (Practical)	18-12-2026 to 24-12-2026
Sessional Examination - II (Theory)	18-01-2027 to 25-01-2027
Sessional Examination II (Practical)	01-02-2027 to 05-02-2027
Teaching Ends	24-02-2027
Semester End Examination (Practical)	25-02-2027 to 05-03-2027
Semester End Examination (Theory)	08-03-2027 to 20-03-2027
Semester Ends	20-03-2027
Commencement of Next Semester (Tentative)	22-03-2027

Holidays	
Guru Nanak's Jayanti	24 November 2026 (Tuesday)
Christmas Day	25 December 2026 (Friday)
Makar Sakranti	14 January 2027 (Thursday)
Republic Day	26 January 2027 (Tuesday)
Mahashivratri (Tentative)	06 March 2027 (Saturday)
Eid (Tentative)	10 March 2027 (Wednesday)
Diwali Break (Tentative)	**09-11-2026 to 14-11-2026**

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STUDENT ACTIVITIES

Orientation Programme

The Institute organizes a unique orientation programme of about one week for all new entrants in order to enhance familiarity, and to acclimatize the freshers to the academic and social environment of the campus. Various lectures on Prospects of Pharmacy Education, Time Management, Stress Management, Human Relations, Positive Attitude, Communication Skills, etc. are delivered by eminent speakers to the students. This programme enables the students and faculty to interact and understand each other. It also provides smooth transition from school life to a new environment of professional studies.

Co-curricular Activities

The Institute gives due importance to projects, industrial visits and training during academic breaks to support curricular work of the students. The students are motivated to present seminars on latest developments in the field of pharmaceutical sciences, which helps to enhance their library reading, scientific writing and presentation skills. The students have participated at various National and State Level competitions and have also won awards. The Institute also regularly organizes a National level Quiz "NIRMAQUEST". Extensive participation is received from institutions of the state as such a competition provides the students a platform to bring out their communication skills and general, factual and scientific knowledge. The Various carrier guidance seminars been regularly been organized for the students through the series of seminars. The students were encouraged to participate in the various co-curricular activities outside the campus also. Various industry visits used to be planned for the students for exploring them in the industry world.

Extra-Curricular Activities

The Institute organizes every year cultural festival "ROSTRUM", which are competitions of various events like drama, skits, dances, songs & pinnacle, where the students demonstrate their skills and the budding artists show their talents. "EUPHORIA" is a dedicated programme conducted for first year students to provide a platform to new students for participation in various extra-curricular activities. Sports events are also regularly organized every year. Celebrations of Independence Day and Republic Day are also organized. Pharmacist day Celebration, Foundation Day & Teachers Day celebration are other events which are routinely planned at the institute level. Inter-institute competitions are also being organized and students of Institute of Pharmacy participate in NUZEAL and one act play competition at University level. Students are also participating in various competitions outside Nirma University such as the west zone level youth festival organized by AIU in drama, music, art and craft and literary events.

Sports

At the Institute of Pharmacy, Nirma University, we prioritize the all-round development of our Pharm.D. students by promoting physical fitness and fostering qualities such as leadership, teamwork, and sportsmanship through a variety of athletic and non-athletic activities. Throughout the year, students have the opportunity to participate in numerous sports competitions, which include:

- Running Events: 100m, 200m, 400m, 800m, and 1500m races.
- Throwing Events: Shotput, discus throw, and javelin throw.
- Jumping Events: Long jump and triple jump.
- Indoor Games: Chess, carrom, and table tennis.
- Racquet Sports: Lawn tennis and badminton.
- Traditional Indian Sports: Kabaddi and kho-kho.
- Team Sports: Cricket, basketball, football, and volleyball.

These activities are designed not only to enhance physical fitness but also to inculcate a sense of camaraderie and competitive spirit among students. By participating in these diverse sports, students develop essential life skills that complement their academic achievements, contributing to their holistic growth and preparation for future challenges. Student Welfare Board of Nirma University organises annual sports competition and Winners are encouraged to participate in Inter-University sports tournaments and youth festivals. Additionally, some adventure activities like mountaineering camps at Himalaya, Desert Adventure Camp, etc. are also organised.

Extension Activities

Institute of Pharmacy, Nirma University aims at developing not only good professionals but also making socially responsible individuals. The social extenstion activities make the students aware of societal needs and through this the students are actively involved in different activities such as cleanliness drive, plantation drive, old age home visit, etc. To create awareness among the students, the Institute also organises expert lectures and field visits related to this area.

The National Service Scheme (NSS) is an Indian government-sponsored public service programme conducted by the Ministry of Youth Affairs and Sports. Institute of Pharmacy has vibrant NSS team members who regularly contribute to the well-being of Jaspur village, adopted by the institute. There are two types of activities: Regular Activities [running throughout the year] and Annual Special Camp [one-week residential camp]. All the NSS volunteers who have served NSS for at least two years and performed 240 hours of work under the NSS programme are entitled to a certificate from the university.

OTHER ACTIVITIES

Nirma Quest

Nirma Quest, an annual state-level quiz competition for pharmacy and other disciplines is organized by the Institute of Pharmacy at Nirma University. The competition features various rounds, including passable questions, non-passable questions, and rapid-fire questions, culminating in buzzer rounds for audio, video, pictogram, and mega memory in the final round. This results in a captivating competition, with winners receiving certificates and cash prizes.

Ramzat

Ras-Garba is organized after Navratri festival. All students, staff members, faculty members, HODs and HOIs of constituent institutes of Nirma University and officers of the University join this festival. The winners in different categories are awarded trophies.

Celebration of National Days

On the occasion of Independence Day, the University organises the flag hoisting ceremony at its campus. Renowned dignitaries from the various walks of life are invited as the Chief Guest for the occasion. A patriotic song competition is conducted on this occasion as a mark of respect for our freedom fighters. On the occasion of the Republic Day, the University conducts an array of events, including the flag hoisting ceremony where dignitaries are invited as the Chief Guest, plus an exhibition of photographs shot by university students is opened for all, to name a few.

International Day of Yoga

The United Nations General Assembly declared 21st June as International Day of Yoga. To mark the occasion, the Government of India celebrates this day in a befitting manner all over the country. In the same vein, the University celebrates International Day of Yoga in its campus every year. All University officers, teaching and non-teaching staff, perform yoga under a trainer in the morning.

STUDENTS' WELFARE BOARD AT NIRMA UNIVERSITY

At the Nirma University, the Students' Welfare Board (SWB) is dedicated to fostering the social, cultural, and spiritual growth of students through a variety of activities throughout the year. These initiatives are designed to promote holistic development and ensure a vibrant campus life.

The annual sports competitions include a wide range of events such as cricket, football, volleyball, basketball, kho-kho, kabaddi, lawn tennis, badminton, table tennis, carom, chess, and athletics. These competitions are held at both the institute and inter-institute levels, encouraging students to engage in physical activities and develop team spirit. Additionally, adventure activities like mountaineering camps in the Himalayas and desert adventure camps are organized periodically to instill a sense of adventure and resilience among students.

Cultural activities play a pivotal role in the overall development of students, helping them acquire essential soft skills such as resource management, public speaking, teamwork, leadership, and ethics. The university is equipped with state-of-the-art infrastructure to support a variety of cultural activities, including musical performances, dance, theatre, painting, and fashion shows. The most anticipated cultural event, NUZEAL, is organized annually, showcasing the diverse talents of students.

The Students' Welfare Board also addresses important social issues through cultural events, covering topics such as gender equality, exploitation in education, the importance of morals and ethics, patriotism, communal harmony, global citizenship, and environmental issues. Moreover, the university actively encourages student participation in various state and national level cultural activities held at different institutions and universities across the country.

A highlight of the cultural calendar is the annual Ras-Garba Mahotsav (RAMZAT), celebrated on the first Saturday after Navratri. This event brings together students and faculty to enjoy Garba, the traditional dance form of Gujarat, fostering a sense of community and cultural pride.

Overall, the Students' Welfare Board ensures a well-rounded and enriching experience for all students, contributing significantly to their personal and professional development.

AWARD OF MEDALS

Nirma University Gold Medals

At Nirma University, the prestigious Gold Medals are instituted to recognize outstanding scholastic performance. These medals are awarded to students demonstrating exceptional academic achievements across various disciplines under the university. The awards are presented during the Convocation ceremony of the respective degree program.

Criteria for the Award:

- *One Gold Medal is awarded to the student who secures the first position in the B.Pharm. program.*
- *The overall Cumulative Performance Index (CPI) at the end of eight semester of the programme is considered..*

Norms for awarding medals include:

- *Passing and earning all the credits for all courses in all years of the programme on the first attempt within the stipulated time frame.*
- *Securing the highest CPI*
- *Having no punitive actions taken against them for using unfair means during examinations (except warnings) or for any indiscipline behaviour resulting in major penalties.*

These criteria ensure that the Gold Medal is awarded to students who not only excel academically but also demonstrate integrity and discipline throughout their academic journey.

Award of NERF (Nirma Education and Research Foundation) Medals

Every year, NERF medals are awarded to the students of different Institute for their scholastic performance. These medals are awarded to the student who perform well in their respective years and reached the top position. To achieve these medals, the students are required to meet certain norms as prescribed by the University which is subject to amendment by the competent authority from time. In addition to this, students are also recognized with awards and certificates for their skills in curricular, co-curricular and extra-curricular activities. These medals and certificates are normally given during the Foundation Day Celebrations of the Institute.

Book Bank Services to students

The Library Resource Center at the Institute of Pharmacy, Nirma University, offers a valuable Book Bank Service to support students. This service is specifically designed to assist needy meritorious students by providing them with essential textbooks and reference materials. The primary aim is to ensure that all students have equal access to the necessary academic resources, thereby promoting educational equity and academic excellence. Through this initiative, the institute strives to reduce financial burdens and enhance the learning experience, enabling students to achieve their full potential without the constraint of resource availability.

GUIDELINES FOR SHOWING THE ASSESSED ANSWER BOOKS

- The process of showing the assessed answer books after the declaration of results should be completed within the first week of commencement of the next semester as per the announcement of Academic Calendar or in the first week after the declaration of the result whichever is later.
- Examination Section will prepare a notice of showing the assessed answer books to the student and same notice will be put on notice board for the information of the students.
- HOI concerned will appoint the Convener from the Institute of Pharmacy Examination Committee.
- Until the said process gets over, the custody of the assessed answer books will remain with the Institute under the supervision of Coordinator of Examination department at the Institute.
- Modality of showing the assessed answer books in the classroom to the interested students should be decided by the concerned HOIs.
- The appointed Convener from the Examination Committee will take due care while showing the assessed answer books to the students to avoid any Unfair-means used or answer book does not lost for which the person who is assigned the job will take care with the help of Assistant / Laboratory Assistant as a supporting staff can be provided by HOI.
- The re-evaluation is permitted in the Semester End Examination / Supplementary Examination for Theory courses as per university norms on chargeable basis.
- According to the guidelines set by the Head of Institute (HOI), the Coordinator of the Examination Department, assisted by the supporting staff, will issue sealed packets of assessed answer books to the designated Convener. These individuals will show the assessed answer books to interested students. An issue register will be maintained, recording the number of assessed answer books distributed and received. Both the issuing and receiving authorities will sign the register to confirm the transaction.
- When showing assessed answer books to students, if any errors are found—such as mistakes in totalling marks, transferring marks from inside pages to the front page, or unassessed answers—the person responsible should report these issues using the prescribed format. The identified answer books, along with the remaining assessed answer books, should be returned in a sealed packet to the Coordinator of the Examination Department.
- All cases of correction should be sent to the Dy. Registrar (Examination) in University in sealed cover on the same day for further process.

SECTION C

Teaching and Examination Scheme

TEACHING SCHEME:

The Teaching and Examination Scheme at the Institute of Pharmacy, Nirma University, outlines the structure and methodology for delivering the B. Pharm. program. This scheme encompasses various courses, the distribution of teaching hours, course components, examination components, their weightages, and the credits allotted to each course. The detailed teaching schemes for each academic year, including the courses offered, are approved periodically by the Academic Council based on the recommendations of the Faculty of Pharmacy.

EXAMINATION SCHEME:

Student assessment in the B. Pharm. programme is comprehensive, involving multiple components:

A) Sessional Examination (SE):

There is one written sessional examination in the middle of each semester.

B) Practical Examination (PRE):

This includes various subcomponents as prescribed by the Pharmacy Council of India, such as Synopsis, Major and Minor Experiments, and Viva Voce. Practical work assignments are continuously and periodically assessed throughout the year.

C) Semester End Examination (SEE):

It is written exam, conducted at the end of every semester, covering the entire syllabus of the course. The teaching and examination schemes for each course in the B. Pharm. programme are periodically approved by the Academic Council on the recommendation of the Faculty of Pharmacy. The assessment criteria for SE and PRE differ depending on the nature and structure of the respective courses. The detailed assessment schemes for SE, PRE and SEE are finalized and notified in the course outline by the Dean, in accordance with the assessment policy approved by the Academic Council.

This structured approach ensures a systematic and thorough evaluation of students' knowledge and skills, promoting continuous learning and academic excellence.

Teaching and Examination Scheme (Semester Wise)

Programme / Course Structure & Examination Scheme for Internal/ Semester End Examinations Semester-wise

B. Pharm. Semester I

Sr. No.	Course Code	Course Title	No. of Hours of Theory	No. of Hours of Practical	Credit	Examination Scheme						
						Internal Assessment				Semester End Examination		Total Marks
						Continuous Mode	Sessional Exam Marks		Total Marks	Marks	Duration	
							Marks	Duration				
1	BP101T	"Basics of Python Programming for Pharmaceutical Sciences (Theory)"	2	--	2	10	10	1 Hr	20	30	1.5 Hrs	50
2	BP102T	General Pharmacy(Theory)	3	--	3	15	15	1 Hr	30	45	2 Hrs	75
3	BP103T	"Healthcare Psychology and Communication Skills (Theory)"	1	--	1	10	10	1 Hr	20	30	1.5 Hrs	50
4	BP104T	Human Anatomy, Physiology and Pathophysiology I (Theory)	4	--	4	20	20	1 Hr	40	60	3 Hrs	100
5	BP105T	"Introduction to Pharmacognosy (Theory)"	3	--	3	15	15	1 Hr	30	45	2 Hrs	75
6	BP106T	"Pharmaceutical Inorganic and Analytical Chemistry (Theory)"	3	--	3	15	15	1 Hr	30	45	2 Hrs	75
7	BP107P	General Pharmacy (Practical)	--	3	1	10	10	3 Hrs	20	30	3 Hrs	50
8	BP108P	"Healthcare Psychology and Communication Skills (Practical)"	--	2	1	10	10	3 Hrs	20	30	3 Hrs	50
9	BP109P	Human Anatomy, Physiology and Pathophysiology I (Practical)	--	3	1	10	10	3 Hrs	20	30	3 Hrs	50
10	BP110P	Introduction to Pharmacognosy (Practical)	--	3	1	10	10	3 Hrs	20	30	3 Hrs	50
11	BP111P	Pharmaceutical Inorganic and Analytical Chemistry (Practical)	--	3	1	10	10	3 Hrs	20	30	3 Hrs	50
		Total Hours	**16**	**14**	**21**							
		Total Hours (Theory + Practical)	**30**									

B. Pharm. Semester II

Sr. No.	Course Code	Course Title	No. of Hours of Theory	No. of Hours of Practical	Credit	Examination Scheme						
						Internal Assessment				Semester End Examination		Total Marks
						Continuous Mode	Sessional Exam Marks		Total Marks	Marks	Duration	
							Marks	Duration				
1	BP201T	Applied Biostatistics and Data Analytics for Pharmaceutical Sciecnes (Theory)	2	--	2	10	10	1 Hr	20	30	1.5 Hrs	50
2	BP202T	Biochemistry (Theory)	3	--	3	15	15	1 Hr	30	45	2 Hrs	75
3	BP203T	Human Anatomy, Physiology and Pathophysiology II (Theory)	4	--	4	20	20	1 Hr	40	60	3 Hrs	100
4	BP204T	Pharmaceutical Organic Chemistry (Theory)	4	--	4	20	20	1 Hr	40	60	3 Hrs	100
5	BP205T	Pharmacognosy and Phytochemistry (Theory)	4	--	4	20	20	1 Hr	40	60	3 Hrs	100
6	BP206T	Physical Pharmaceutics (Theory)	3	--	3	15	15	1 Hr	30	45	2 Hrs	75
7	BP207P	Biochemistry (Practical)	--	3	1	10	10	3 Hrs	20	30	3 Hrs	50
8	BP208P	Human Anatomy, Physiology and Pathophysiology II (Practical)	--	3	1	10	10	3 Hrs	20	30	3 Hrs	50
9	BP209P	Pharmaceutical Organic Chemistry (Practical)	--	3	1	10	10	3 Hrs	20	30	3 Hrs	50
10	BP210P	Pharmacognosy and Phytochemistry (Practical)	--	3	1	10	10	3 Hrs	20	30	3 Hrs	50
11	BP211P	Physical Pharmaceutics (Practical)	--	3	1	10	10	3 Hrs	20	30	3 Hrs	50
12	BP212P SEC1	Communication Skills	--	2	1	10	10	3 Hrs	20	30	3 Hrs	50
	BP212P SEC2	Mental Well-Being, Stress & Conflict Management	--									
	BP212P SEC3	Fundamentals of Computer Operations	--									
		Total Hours	**20**	**17**	**26**							
		Total Hours (Theory + Practical)	**37**									

B. Pharm. Semester III

Sr. No.	Course Code	Course Title	No. of Hours of Theory	No. of Hours of Practical	Credit	Examination Scheme						
						Internal Assessment				Semester End Examination		Total Marks
						Continuous Mode	Sessional Exam Marks		Total Marks	Marks	Duration	
							Marks	Duration				
1	BP301T	Introduction to Machine Learning in Pharmaceutical Sciences (Theory)	2	--	2	10	10	1 Hr	20	30	1.5 Hrs	50
2	BP302T	Environmental Sciences (Theory)	1	--	1	10	10	1 Hr	20	30	1.5 Hrs	50
3	BP303T	Ethics and Universal Human Values (Theory)	1	--	1	10	10	1 Hr	20	30	1.5 Hrs	50
4	BP304T	General Pharmacology (Theory)	3	--	3	15	15	1 Hr	30	45	2 Hrs	75
5	BP305T	Heterocyclic Compounds and Stereochemistry (Theory)	3	--	3	15	15	1 Hr	30	45	2 Hrs	75
6	BP306T	Pharmaceutical Dosage Forms I (Theory)	3	--	3	15	15	1 Hr	30	45	2 Hrs	75
7	BP307T	Pharmaceutical Engineering (Theory)	3	--	3	15	15	1 Hr	30	45	2 Hrs	75
8	BP308T	Pharmaceutical Microbiology (Theory)	3	--	3	15	15	1 Hr	30	45	2 Hrs	75
9	BP309P	General Pharmacology (Practical)	--	4	2	10	10	4 Hrs	20	30	4 Hrs	50
10	BP310P	Heterocyclic Compounds and Stereochemistry (Practical)	--	4	2	10	10	4 Hrs	20	30	4 Hrs	50
11	BP311P	Pharmaceutical Dosage Forms I (Practical)	--	3	1	10	10	3 Hrs	20	30	3 Hrs	50
12	BP312P AEC1	Nutraceuticals and Functional Foods	--	2	1	10	10	3 Hrs	20	30	3 Hrs	50
	BP312P AEC2	Food Analysis										
	BP312P AEC3	Yoga and Life Sciences										
		Total Hours	**19**	**13**	**25**							
		Total Hours (Theory + Practical)	**32**									

B. Pharm. Semester IV

Sr. No.	Course Code	Course Title	No. of Hours of Theory	No. of Hours of Practical	Credit	Examination Scheme						
						Internal Assessment				Semester End Examination		Total Marks
						Continuous Mode	Sessional Exam Marks		Total Marks	Marks	Duration	
							Marks	Duration				
1	BP401T	Herbal Drug Technology (Theory)	3	--	3	15	15	1 Hr	30	45	2 Hrs	75
2	BP402T	Medicinal Chemistry (Theory)	3	--	3	15	15	1 Hr	30	45	2 Hrs	75
3	BP403T	Pharmaceutical Biotechnology (Theory)	3	--	3	15	15	1 Hr	30	45	2 Hrs	75
4	BP404T	Social Pharmacy and Public Health (Theory)	2	--	2	10	10	1 Hr	20	30	1.5 Hrs	50
5	BP405T	Systemic Pharmacology I (Theory)	3	--	3	15	15	1 Hr	30	45	2 Hrs	75
6	BP406P	Herbal Drug Technology (Practical)	--	3	1	10	10	3 Hrs	20	30	3 Hrs	50
7	BP407P	Medicinal Chemistry (Practical)	--	3	1	10	10	3 Hrs	20	30	3 Hrs	50
8	BP408P	Pharmaceutical Biotechnology (Practical)	--	3	1	10	10	3 Hrs	20	30	3 Hrs	50
9	BP409P	Social Pharmacy and Public Health (Practical)	--	2	1	10	10	3 Hrs	20	30	3 Hrs	50
10	BP410P	Systemic Pharmacology I (Practical)	--	3	1	10	10	3 Hrs	20	30	3 Hrs	50
11	BP411I	Internship (Mandatory)	--	8	4	-	-	-	-	100	4 Hrs	100
		Total Hours	**14**	**14**	**23**							
		Total Hours (Theory + Practical)	**28**									

B. Pharm. Semester V

Sr. No.	Course Code	Course Title	No. of Hours of Theory	No. of Hours of Practical	Credit	Examination Scheme						
						Internal Assessment				Semester End Examination		Total Marks
						Continuous Mode	Sessional Exam Marks		Total Marks	Marks	Duration	
							Marks	Duration				
1	BP501T	Biomedicinal Chemistry (Theory)	3	--	3	15	15	1 Hr	30	45	2 Hrs	75
2	BP502T	Industrial Pharmacognosy (Theory)	3	--	3	15	15	1 Hr	30	45	2 Hrs	75
3	BP503T	Innovation and Startup Ecosystem (Theory)	2	--	2	10	10	1 Hr	20	30	1.5 Hrs	50
4	BP504T	Pharmaceutical Dosage Form II (Theory)	2	--	2	10	10	1 Hr	20	30	1.5 Hrs	50
5	BP505T	Pharmaceutical Quality Assurance (Theory)	3	--	3	15	15	1 Hr	30	45	2 Hrs	75
6	BP506T	Systemic Pharmacology II (Theory)	3	--	3	15	15	1 Hr	30	45	2 Hrs	75
7	BP507P	Biomedicinal Chemistry (Practical)	--	4	2	10	10	4 Hrs	20	30	4 Hrs	50
8	BP508P	Industrial Pharmacognosy (Practical)	--	3	1	10	10	3 Hrs	20	30	3 Hrs	50
9	BP509P	Pharmaceutical Dosage Form II (Practical)	--	3	1	10	10	3 Hrs	20	30	3 Hrs	50
10	BP510P	Systemic Pharmacology II (Practical)	--	4	2	10	10	4 Hrs	20	30	4 Hrs	50
		Total Hours	**16**	**14**	**22**							
		Total Hours (Theory + Practical)	**30**									

B. Pharm. Semester VI

Sr. No.	Course Code	Course Title	No. of Hours of Theory	No. of Hours of Practical	Credit	Examination Scheme						
						Internal Assessment				Semester End Examination		Total Marks
						Continuous Mode	Sessional Exam Marks		Total Marks	Marks	Duration	
							Marks	Duration				
1	BP601T	Advanced Pharmacognosy (Theory)	3	--	3	15	15	1 Hr	30	45	2 Hrs	75
2	BP602T	Biopharmaceutics and Pharmacokinetics (Theory)	3	--	3	15	15	1 Hr	30	45	2 Hrs	75
3	BP603T	Intellectual Property Rights (Theory)	2	--	2	10	10	1 Hr	20	30	1.5 Hrs	50
4	BP604T	AI applications in Pharmaceutical Sciences (Theory)	2	--	2	10	10	1 Hr	20	30	1.5 Hrs	50
5	BP605T	Pharmaceutical Analysis (Theory)	3	--	3	15	15	1 Hr	30	45	2 Hrs	75
6	BP606T	Pharmaceutical Jurisprudence (Theory)	3	--	3	15	15	1 Hr	30	45	2 Hrs	75
7	BP607T AEC1	Green Chemistry	1	--	1	10	10	1 Hr	20	30	1.5 Hrs	50
8	BP607T AEC 2	Materiovigilance and Hemovigilance										
9	BP607T AEC 3	Scientific Writing										
10	BP607T AEC 4	Drug Store and Business Management										
11	BP607T AEC 5	"Career Building in Cultivation of Medicinal Plants"										
12	BP607T AEC 6	"Active Pharmaceutical Ingredients and Excipient Sciences"										
13	BP608P	"Biopharmaceutics and Pharmacokinetics (Practical)"	--	3	1	10	10	3 Hrs	20	30	3 Hrs	50
14	BP609P	Pharmaceutical Analysis (Practical)	--	4	2	10	10	4 Hrs	20	30	4 Hrs	50
15	BP610P SEC1	Computer-Aided Drug Design	--	2	1	10	10	3 Hrs	20	30	3 Hrs	50
	BP610P SEC2	"Analytical Method Development and Validation"	--									
	BP610P SEC3	Principles of Preclinical Studies	--									
16	BP611P VAC1	Professional Skills	--	2	1	10	10	3 Hrs	20	30	3 Hrs	50
	BP611P VAC2	"Process Analytical Technology (PAT) and QbD in Formulation Science"										
17	BP612I	Internship (Mandatory)	--	8	4	--	--	--	--	100	4 Hrs	100
		Total Hours	**17**	**11**	**26**							
		Total Hours (Theory + Practical)	**28**									

B. Pharm. Semester VII

Sr. No.	Course Code	Course Title	No. of Hours of Theory	No. of Hours of Practical	Credit	Examination Scheme						
						Internal Assessment				Semester End Examination		Total Marks
						Continuous Mode	Sessional Exam Marks		Total Marks	Marks	Duration	
							Marks	Duration				
1	BP701T	Biostatistics Research methodology (Theory)	3	--	3	15	15	1 Hr	30	45	2 Hrs	75
2	BP702T	Cosmetics and Cosmeceuticals (Theory)	2	--	2	10	10	1 Hr	20	30	1.5 Hrs	50
3	BP703T	AI in Clinical applications (Theory)	2	--	2	10	10	1 Hr	20	30	1.5 Hrs	50
4	BP704T	Modern Analytical Techniques (Theory)	3	--	3	15	15	1 Hr	30	45	2 Hrs	75
5	BP705T	Pharmacovigilance (Theory)	3	--	3	15	15	1 Hr	30	45	2 Hrs	75
6	BP706T	Pharmacy Practice (Theory)	3	--	3	15	15	1 Hr	30	45	2 Hrs	75
7	BP707T	Regulatory Affairs (Theory)	2	--	2	10	10	1 Hr	20	30	1.5 Hrs	50
8	BP708T AEC1	Current Good Manufacturing Practices (cGMP)	1	--	1	10	10	1 Hr	20	30	1.5 Hrs	50
10	BP708T AEC2	Pharmaceutical Automation										
11	BP708T AEC3	Modern Techniques in Cellular Biology										
12	BP708T AEC4	Medical Devices										
	BP708T AEC5	Transformation of Food Waste into Medicinal Products										
	BP708T AEC6	"Biosimilars, Vaccines & Macromolecules"										
	BP709P	Modern Analytical Techniques (Practical)	--	3	1	10	10	3 Hrs	20	30	3 Hrs	50
	BP710RP	Research Project	--	--	6	--	--	--	--	150	4 Hrs	150
		Total Hours	**19**	**3**	**26**							
		Total Hours (Theory + Practical)	**22**									

B. Pharm. Semester VIII

Sr. No.	Course Code	Course Title	No. of Hours of Theory	No. of Hours of Practical	Credit	Examination Scheme						
						Internal Assessment				Semester End Examination		Total Marks
						Continuous Mode	Sessional Exam Marks		Total Marks	Marks	Duration	
							Marks	Duration				
1	BP801T	"Ethical Considerations and Translational Applications of AI in Pharmacy (Theory)"	2	--	2	10	10	1 Hr	20	30	1.5 Hrs	50
2	BP802T	Clinical Pharmacotherapeutics (Theory)	2	--	2	10	10	1 Hr	20	30	1.5 Hrs	50
3	BP803T	Industrial Pharmacy and Facility Design (Theory)	3	--	3	15	15	1 Hr	30	45	2 Hrs	75
4	BP804T	Pharmaceutical Management (Theory)	2	--	2	10	10	1 Hr	20	30	1.5 Hrs	50
5	BP805T	"Sterile Dosage Forms and Novel Drug Delivery System (Theory)"	3	--	3	15	15	1 Hr	30	45	2 Hrs	75
6	BP806T AEC1	Pharmaceutical Packaging	2	--	2	10	10	1 Hr	20	30	1.5 Hrs	50
7	BP806T AEC2	Supply Chain Management										
8	BP806T AEC3	Industrial Safety and Waste Management										
10	BP806T AEC4	Traditional Healing Practicesof India										
11	BP806T AEC5	Futuristic Pharma through AR/VR: Pharma 4.0										
12	BP806T AEC6	Herbal Cosmetics for Industry Perspective										
	BP807P	Pharmaceutical Marketing Skills (Practical)	--	2	1	10	10	3 Hrs	20	30	3 Hrs	50
	BP808P	"Sterile Dosage Forms and Novel Drug Delivery System (Practical)"	--	4	2	10	10	4 Hrs	20	30	4 Hrs	50
	BP809P VAC1	Cleaning Validation	--	2	1	10	10	3 Hrs	20	30	3 Hrs	50
	BP809P VAC2	Basic Training in Aseptic Handling Techniques										
	BP809P VAC3	Impurity Profiling										
	BP810RP	Research Project	--	--	6	--	--	--	--	150	4 Hrs	150
		Total Hours	**14**	**8**	**24**							
		Total Hours (Theory + Practical)	**22**									

SECTION D

Academic Rules and Examination Regualtions

ACADEMIC RULES AND REGULATIONS

ACADEMIC REGULATIONS FOR UNDER GRADUATE DEGREE PROGRAMMES (B. PHARM) UNDER FACULTY OF PHARMACY

SHORT TITLE, APPLICATION AND COMMENCEMENT:

a) The Regulation shall be called as Academic Regulations for B. Pharm. Degree Programme Choice Based Credit System (CBCS) as per National Education Policy 2020 of the Pharmacy Council of India, New Delhi" under Faculty of Pharmacy.

b) They shall apply to all students admitted in B. harm programmes under The Faculty of Pharmacy, Nirma University.

c) They shall come into force from the date of their publication of the notification with the approval of Board of Governors, Nirma University.

DEFINITIONS: IN THESE REGULATIONS, UNLESS THE CONTEXT OTHERWISE REQUIRES:

Programme

A structured set of courses and learning experiences offered over a specified period, leading to the award of a certificate, diploma, or degree recognized by the appropriate regulatory authority (e.g., UGC/PCI).

Outcome Based Education (OBE)

OBE is an educational theory that bases each part of an educational system around goals (outcomes). Each student should have achieved the goal by the end of the educational experience.

Programme Educational Objectives (PEOs)

PEOs are broad statements that describe the professional achievements and career accomplishments that graduates are expected to attain a few years after completing the programme.

Programme Outcomes (POs)

POs are statements that describe the knowledge, skills, and competencies that students should acquire by the time they graduate from the programme.

Course Outcomes (Cos)

COs are statements that describe what students should be able to do at the end of a course.

Learning Outcomes

Specific intentions of a Programme or module, written in clear terms. They describe what a student should know, understand, or be able to do at the end of that Programme or module

Course

A course is a unit of 1 to 6 credits in a formal program. A 3-credit course will have three classroom sessions of one-hour duration during each week for the entire semester.

Remedial Courses

Courses offered to academically disadvantaged students in order to help them cope with academic requirements.

Multi-disciplinary Courses

Courses of varying durations which are optional, and offered outside the curriculum in the multidisciplinary areas that encourage understanding of recent trends in allied areas and helping the students in getting placed.

Choice Based Credit System (CBCS)

A mode of learning in higher education which facilitates a student to have some freedom in selecting his/her own choices, across various disciplines for completing a UG / PG program. All UG and PG programs, as per UGC, have to implement CBCS

Programme committee

A committee led by a senior teacher that reviews class progress, discusses curriculum issues, and monitors the attainment of program outcomes.

Academic Calendar

The schedule of the institution for the academic year (Semester wise), giving details of all academic and administrative events.

Semester

A period of study consisting of not less than 90 working days. Odd semesters run from June/July to November/December, and even semesters run from December/January to May/June.

Registration

Procedure to register a course/s in a semester for the purpose of study or appearance in examination.

Letter Grade

A letter associated with a particular performance level of a student in a course. A qualitative meaning and numerical figures are attached to each grade.

Credit

A credit system is a systematic way of describing an educational programme by attaching credits to its components as a unit of measure for academic work. One (1) credit is assigned for every one hour of lecture per week or every two hours of practical (laboratory) work per week. For internship and projects, 30 hours equals 1 credit.

Semester Grade Point Average (SGPA)

A number representing the weighted average of the grade points obtained in all courses during a single semester.

Cumulative Grade Point Average (CGPA)

A calculation based on the SGPA of all eight semesters, used to determine the final class and rank.

E-learning Resources

Learning resources available on Internet

Experiential Learning

Is a process of learning through experience and is more specifically defined as "learning through reflection on doing".

Problem Based Learning (PBL)

Is a student-centred pedagogy in which students learn about a subject through the experience of solving an open-ended problem found in trigger material. The PBL process does not focus on problem solving with a defined solution, but it allows for the development of other desirable skills and attributes. This includes knowledge acquisition, enhanced group collaboration and communication.

Participative Learning

Participatory Learning and Action is a family of approaches, methods, attitudes, behaviors and relationships, which enable and empower people to share, analyze and enhance their knowledge of their life and conditions, and to plan, act, monitor, evaluate and reflect.

Appeal Committee

A Committee consisting of Director, Head of the Department and two senior faculty members nominated by the Director.

Evaluation Process

Assessment of learning, teaching and evaluation process and reforms to increase the efficiency and effectiveness of the system.

Assessment

Performance evaluation based on certain established criteria

Continuous Assessment

A component of internal assessment that evaluates regular engagement, including attendance and student-teacher interaction.

Sessional

Tests conducted for each course during the semester, the average of which contributes to the internal assessment marks.

Progression

Vertical movement of students from one level of education to the next higher level successfully or towards gainful employment.

Bloom's Taxonomy

A hierarchical framework used to classify educational learning objectives into levels of complexity and specificity, utilized here to design question papers and assessment tools.

Miller's Pyramid

A framework for assessing clinical competence, used to monitor the progress and attainment of pharmacy students.

Attainment of Course Outcomes (COs)

COs are to be attained by all students at the end of a formal course. While the method of computation of attainment of COs is not unique, each institution has to follow a well-defined direct method of computing CO attainment based on the student performance in all assessment instruments, and indirect method of computing Cos through course exit survey of students

Co-Curricular Activities

Activities, which support the curriculum such as field trips, hospital visits, community medicine shops, display of academic achievements, quiz, debate, discussion, seminars, role-play, etc

Collaboration

Formal agreement/ understanding between any two or more institutions for training, research, student/ faculty exchange or extension support.

Counseling

Assisting and mentoring students individually or collectively for academic, career, personal and financial decision-making.

Graduate Attributes

The disciplinary expertise or technical knowledge that has traditionally formed the core of most university courses. They are qualities that also prepare graduates as agents for social good in an unknown future.

Grievance Redressal

Mechanisms for receiving, processing and addressing dissatisfaction expressed, complaints and other formal requests made by learners, staff and other stakeholders on the institutional provisions promised and perceived.

ICT

Information and Communication Technology Consists of the hardware, software, networks and media for the collection, storage, processing, transmission and presentation of information (voice, data, text, images) as well as related services.

Internal Examination Committee

A body chaired by the Principal that plans the internal assessment calendar, approves question paper patterns, and addresses student grievances regarding internal marks.

SHORT FORMS:

The Institute	-	The Institute of Pharmacy
The Director	-	The Director, Institute of Pharmacy
Faculty	-	Faculty of Pharmacy
The Dean	-	The Dean, Faculty of Pharmacy
CEE	-	Continuous Evaluation Examination
PWE	-	Practical Work Examination
SEE	-	Semester End Examination
SPE	-	Supplementary Examination
IR	-	Initial Registration
RR	-	Repeat Registration
RS	-	Repeat Registration for Studying all components of a course
RRE	-	Repeat Registration Examination
RRC	-	Repeat Registration for Examination of continuous evaluation component of a course
RRP	-	Repeat Registration for Examination of Practical/Lab work of a course
RRS	-	Repeat Registration for Semester End Examination of a course
GPA	-	Grade Point Average
SGPA	-	Semester Grade Point Average
PGPA	-	Programme Grade Point Average
CGPA	-	Cumulative Grade Point Average
R.PHARMACY (UG)	-	Regulation of Pharmacy (Undergraduate Programme)

R.PHARMACY(UG) 1: THE PROGRAMMES

The Undergraduate Degree Programmes in Pharmacy leading to the Bachelor of Pharmacy (B. Pharm) Degrees offered by the Institute of Pharmacy. The course of study for B. Pharm shall extend over a period of eight semesters (four academic years) and six semesters (three academic years) for lateral entry students. The curricula and syllabi for the Programme shall be prescribed from time to time by Pharmacy Council of India.

1.1 WORKING DAYS IN EACH SEMESTER

Each semester shall consist of not less than 90 working days. The odd semesters shall be conducted from the month of June/July to November/December and the even semesters shall be conducted from December/January to May/June in every calendar year. A break of not less than 7 days shall be provided between the semesters.

1.2 MEDIUM OF INSTRUCTION AND EXAMINATIONS

Medium of instruction and examination shall be in English.

1.3 MINIMUM CREDIT REQUIREMENTS

The minimum credit points required for award of a B. Pharm. degree is 193. These credits are distributed across Theory courses, Practical courses, Internship and Project over the duration of eight semesters. The semester-wise distribution of credits is presented in Table I.

he lateral entry students shall take additional courses, namely Healthcare Psychology and Communication Skills (Theory and Practical) and Basics of Python Programming for Pharmaceutical Sciences (Theory) during Semester III, and Applied Biostatistics and Data Analytics for Pharmaceutical Sciences (Theory) during Semester IV of the programme. The lateral entry student shall be awarded 47 credit points, equivalent to the cumulative credits earned as per the scheme of their Diploma in Pharmacy (D. Pharm.) programme, upon successful completion of the above-mentioned courses. Out of the total 47 credits, 41 credits shall be accounted for the Diploma programme, and the remaining 6 credits shall be awarded for the above-mentioned additional courses. The 41 credits accounted for the lateral entry students shall be recorded in the Semester III marks sheet.

TABLE I: SEMESTER WISE CREDITS DISTRIBUTION

SEMESTER	CREDIT POINTS
Semester I	21
Semester II	26
Semester III	25
Semester IV	23
Semester V	22
Semester VI	26
Semester VII	26
Semester VIII	24
Total Credit Points	193

Note: Earning total credits [193] as mentioned above are mandatory for award of the degree. However, Institute/University has the liberty to offer additional courses as per their mandates or may also offer additional credits through various MOOCs upon approval of their respective academic council

R.PHARMACY (UG) 2: ELIGIBILITY CRITERIA AND DETERMINATION OF MERIT FOR ADMISSION

The Eligibility criteria and criteria for determination of merit for the admission in the First Year of Bachelor of Pharmacy and B. Pharm lateral entry (to third semester) under the Faculty of Pharmacy, Nirma University shall be as per Annexure-I.

R.PHARMACY(UG) 3: CATEGORIES OF COURSES

The following categories of courses are offered in the programme.

3.1 Core Courses:

The courses to be compulsorily studied by the students as a core requirement to complete the academic requirement of a programme as prescribed by Pharmacy Council of India.

3.2 Elective courses:

A choice available to students to select from among a large number of Courses.

3.3 Ability Enhancement Courses (AEC)

Courses of varying durations which are optional, and offered in the curriculum that improves the understanding of the subject and enhance ability of the students.

3.4 Skill Enhancement Courses (SEC)

Courses of varying durations which are optional, and offered in the curriculum that develop the required skills and helping the students in getting placed.

3.5 Value Added Courses (VAC):

Courses of varying durations which are optional, and offered outside the curriculum that add value and helping the students in getting placed.

3.6 Field Project:

Formal projects students need to undertake that involve conducting surveys outside the college/university premises and collection of data from designated communities or natural places

3.7 PROJECT WORK

All students shall undertake a project under the supervision of a teacher and submit a report, preferably with the involvement of an external mentor from Industry, Hospital, NABL or CDSCO-approved labs, or an Allied/Interdisciplinary field. The project shall be carried out in groups not exceeding three members. The project report must be submitted in triplicate as a typed and bound copy of no less than 25 pages. Internal and external examiners appointed by the University shall evaluate the project during the practical examinations of the respective semester(s), and students shall be evaluated in groups. Additionally, students are permitted the option to pursue a continuous research theme initiated in the seventh semester and extending through the eighth semester. Under this provision, the specific project milestones achieved by the conclusion of the seventh semester shall undergo formal evaluation by the appointed examiners during that semester's final examination. The projects shall be evaluated as per the criteria given in the Revised Regulation for the B. Pharm Degree Programme Choice Based Credit System (CBCS) by PCI.

3.8 INTERNSHIPS

Every candidate shall be required to complete a minimum of 240 hours of practical training, spread over a period of two semesters, in a Pharmaceutical/ Cosmetics/ Medical Devices/ Food Industry, or in a Hospital/Community Pharmacy, or any other relevant field as per the prescribed course content. He/she has to submit two internship reports which will be evaluated separately.

Certificate and Report submission: 75 Marks
Presentation and Discussion: 25 Marks
Total: 100 Marks

3.9 INDUSTRY / FIELD VISITS AND OTHER CO-CURRICULAR ACTIVITIES

It shall be compulsory for pharmacy Institutions to organize industrial/field visit and other cocurricular activities to promote holistic learning through participative, problem-based, experiential and innovative pedagogical methods. Students shall submit individual reports, which shall be assessed in continuous evaluation mode as part of any core course each year, as decided by the Programme Committee.

3.9.1 INDUSTRY / FIELD VISITS

It shall be compulsory for students to undertake at least one industrial/field visit during each year to facilities involved in the manufacturing of active pharmaceutical ingredients, excipients, pharmaceutical formulations, medical devices, food, cosmetics, government/ NABL approved drug and medical device testing laboratories or NABH accredited hospital. It shall be assured by the institutions that the facilities chosen for a particular year shall not be repeated.

R.PHARMACY (UG) 4: COMPONENTS OF A COURSE

The academic schedule of the courses may consist of one or more of the following components with their respective scope as described.

4.1 Lecture:

Teaching learning sessions conducted through real and virtual classrooms with various multimedia aids and other forms of students learning engagements as per requirement of the course and approved by the Dean.

4.2 Co-curricular Activities

It shall be compulsory for the pharmacy institution to adopt a village or a ward in the panchayath/municipal corporation and engage in community service activities. The community services shall include (but not limited to) prescription survey, awareness of rational drug use, patient counselling services or activities as per the prescribed course content.

R.PHARMACY (UG) 5: CO-ORDINATORS AND COMMITTEES

5.1 Course Coordinator (to be nominated by the Dean for each course):

To coordinate all matters related to the conduct and assessment of a course.

5.2 Examination Co-ordinator (to be nominated by the Dean):

To look after all matters regarding Registrations and Re-registrations of courses and also to provide guidance and counselling to students regarding these issues.

5.3 PROGRAMME COMMITTEE AND INTERNAL EXAMINATION COMMITTEE

5.3.1 PROGRAMME COMMITTEE

1. The B. Pharm. Programme shall have a Programme Committee constituted by the Head of the Institution/Principal in consultation with all the Heads of the Departments and reconstituted annually.

2. The composition of the Programme Committee shall be as follows:

- The Principal/HoI shall serve as the Chairperson
- One senior teacher from any department shall act as the B. Pharm Coordinator
- One teacher from each department offering B. Pharm courses and
- Four student representatives of the programme (one from each academic year), nominated by the Head of the Institution.

3. The Programme Committee shall meet at least twice in every semester to perform the following duties.

4. Duties of the Programme committee (not limited to)

- Periodically reviewing the progress of classes and attendance.
- Discussing problems concerning the curriculum, syllabus, and conduct of classes.
- Communicating its recommendations on academic matters to the Head of the Institution, with such communications being duly recorded.
- Periodically reviewing and monitoring the attainment of Programme Outcomes and Course Outcomes along with Bloom's Taxonomy Levels and/or Miller's Pyramid.
- Encouraging the use of ICT tools and providing e-learning resources for higher- order learning.
- Ensuring effective implementation of participative, problem-based, experiential learning, and innovative pedagogical approaches for effective outcomes.

5.3.2 INTERNAL EXAMIANTION COMMITTEE

1. The B. Pharm. Programme shall have an Internal Examination Committee constituted by the Principal / HoI in consultation with all the Heads of the Departments and may be reconstituted as and when necessary.

2. The composition of the Internal Examination Committee shall be as follows:

- Principal / HoI – Chairperson
- B. Pharm Programme Coordinator – Member Secretary

- One senior faculty member from each department involved in B. Pharm teaching Members
- Examination Cell In-charge – Member

3. The Committee shall meet periodically, before each Sessional Examination (Internal Assessment) and before the end-semester examination.

4. Duties of the Internal Examination Committee (not limited to):

- Plan and approve the internal assessment calendar for all semesters.
- Ensure uniformity, transparency, and fairness in continuous assessment, sessional, and practical examinations.
- Moderation of sessional question papers and assessment tools in alignment with programme and course outcomes, incorporating Bloom's Taxonomy Levels and/or Miller's Pyramid.
- Monitor the conduct and evaluation of theory, practical, internship, and project assessments. Ensure compliance with PCI regulations, university ordinances, and NEP-2020 assessment reforms.
- Promote outcome-based, skill-oriented, and innovative assessment methods.
- Review, moderate, and finalize internal assessment marks prior to submission to the university.
- Address student grievances related to internal assessments in a timely and structured manner.
- Maintain proper records, reports, and minutes related to internal examinations and assessments.
- Recommend remedial measures and academic support as and when required.

R.PHARMACY (UG) 6: TEACHING AND EXAMINATION SCHEME

6.1 Teaching Scheme

The scheme of teaching in a semester as a whole will be referred as Course Structure (semester wise) and Teaching & Examination Scheme for Internal and Semester End Examination.

The schemes show the various courses, distribution of teaching hours, course component/s, examination components and their weightages and credits allotted to each course as per the Pharmacy Council India.

The courses offered in each programme (Semester wise) and their teaching schemes are given in the Semester Schedules as per the Pharmacy Council India and approved by the Academic Council from time to time on recommendation of Faculty of Pharmacy.

6.2 Examination Scheme:

For assessment of a course, a student is assessed on following components:

(a) Continuous Evaluation Examination (CEE) / Continuous Mode (CM) – is an integral part of Internal Assessment as prescribed by the Pharmacy Council of India - that includes several sub-components such as Quiz, Assignment, open book test, filed work, group discussion, seminar etc. All exercise in CEE will be continuously assessed during the semester and given marks.

(b) Practical Work Examination (PWE) – that includes several components as per the practical work policy of institute of Pharmacy and as per the guidelines of Pharmacy council of India. All assignments in practical work will be continuously/ periodically assessed (as applicable) during the semester.

(c) Semester End Examination (SEE) which will be conducted at the end of the semester/term. The SEE covers the entire syllabus of the course.

The course in each programme (semester-wise) and their examination scheme along with the teaching scheme are given in the Semester Schedules approved by the Academic Council from time to time on recommendation of Faculty of Pharmacy.

The assessment of sub-components of courses for CEE & PWE differ depending upon the nature and the teaching scheme of the concerned course. The detailed assessment scheme of the CEE, PWE and SEE for each course will be finalized and notified in form of course outline by the Dean in accordance with the assessment policy as per the Pharmacy Council India and approved by the Academic Council.

6.3 Scheme for credit-based marks distribution for assessment

The general scheme for credit wise marks distribution is as given below. The detailed scheme for internal assessment and end semester examinations is given in Course Structure (semester wise) and Teaching & Examination Scheme for Internal and Semester End Examination.

Credits	Maximum Marks	Internal Assessment	Semester End Examination
4	100	40	60
3	75	30	45
2 or 1	50	20	30

R.PHARMACY (UG) 7: REGISTRATION IN COURSES

Registration:

There are two categories of registration, Initial Registration (IR) and Repeat Registration (RR). All categories of registration will collectively be referred to simply as Registration. Registration will be done for each course. All Registration, wherever applicable, will be subject to the availability of courses. Students' registration in a Semester will be in chronological order.

ategories of Registration:

7.1 Initial Registration (IR):

In order to study a course for the first time, the student will register under the IR category. This will imply regular attendance for study of all components of that course and appearing at all examinations thereof. IR registration for courses of a Semester are to be done for all courses of that Semester as shown in the Teaching Scheme; Generally, IR registration will not be permitted for lesser number of courses. The student who so registers (IR) for all courses of a Semester will be considered as having been registered in that Semester.

7.2 Repeat Registration (RR):

Repeat registration is consisting of following categories of registrations;

7.2.1 Repeat Registration for Study of a course (RS):

This category will imply regular attendance (as per R.PHARMACY (UG) 8) to study all components (i.e. LT, CE, PW as applicable) and appearing at all examinations thereof. The student has to seek fresh registration for this category and will be subject to the availability of the course/s.

7.2.2 Repeat Registration for Examination (RRE):

This registration is necessary for appearing again in a particular examination of a course. It will not involve regular attendance for studying the course.

Repeat Registration for Examination will be in the following category:

(a) Repeat Registration for Semester End Examination of a course (RRS).

7.3 Approval of Registration:

Every student must apply in the prescribed format for registrations, as applicable. The decision on the student's request will be based on the availability of courses and applicable Regulations. The Dean will issue appropriate orders for processing the application, including scrutiny, verification and final orders.

R.PHARMACY (UG) 8: ATTENDANCE REQUIREMENT FOR APPEARANCE AT SEMESTER END EXAMINATION

A student has to comply with the following condition course wise to be eligible to admit for SEE:

8.1 Attendance:

A candidate must maintain a minimum of 75% attendance in each individual course. Attendance for theory and practical components shall be considered separately. Only candidates who satisfactorily complete the prescribed course requirements shall be eligible to appear for the respective examinations.

8.2 Appeal Committee:

A student who has not met with attendance requirement of any course may appeal to the Appeal Committee giving full reasons for his/her default. The Assessdecision of the Committee in all such cases will be final. The student will be allowed to appear in the examination of the course only if the appeal committee condones the deficiency.

If the committee rejects the appeal of the student, then the student will not be permitted to appear in SEE of the concerned course. Accordingly, S/he will also be given grade F in that course and S/he will have to seek RS category registration.

R.PHARMACY (UG) 9: SCOPE OF EXAMINATIONS AND ASSESSMENT

The scope of examinations and the method of assessment are as follows:

9.1 Continuous Evaluation Examination – CEE (IR Registration):

The learning of the students will be continuously assessed during the Semester for each component using marks. The total marks of components of continuous evaluation will be aggregated based on Course Structure (semester wise) and Teaching & Examination Scheme for Internal and Semester End Examination. The marks allocated for the Continuous Mode of Internal Assessment and the Internal Assessment Theory Question Paper Pattern shall be in accordance with the regulations of the B. Pharm Degree Programme under the Choice Based Credit System (CBCS) as per NEP 2020 prescribed by the Pharmacy Council of India (PCI).

A student shall have the opportunity to improve his/her performance only once in the sessional exam component of the internal assessment. The re-conduct of the sessional exam shall be completed before the commencement of next Semester end theory examinations.

9.2 PW Examination (IR Registration):

All assignments of a course in Practical Work will be continuously / periodically assessed (as applicable) during a semester. Each assessment will be given marks. The total marks of all Units of

PW will be aggregated based Course Structure (semester wise) and Teaching & Examination Scheme for Internal and Semester End Examination to give the overall percentage of marks in the PW examination. The course coordinator will notify the procedure for assessment, review, viva voce, etc. to the students in advance. The marks allocated for the Continuous Mode of Internal Assessment and the Internal Assessment Practical Question Paper Pattern shall be in accordance with the regulations of the B. Pharm Degree Programme under the Choice Based Credit System (CBCS) as per NEP 2020 prescribed by the Pharmacy Council of India (PCI).

A student shall have the opportunity to improve his/her performance only once in the sessional exam component of the internal assessment. The re-conduct of the sessional exam shall be completed before the commencement of next Semester end theory examinations.

9.3 Semester End Examination (IR & RR Registration):

The expression 'Semester End Examination' refers to the Hall Examination of a course taken at the end of a Semester. The SEE of a course will cover the entire syllabus of the course. The assessment will be mark based. The marks allocated for the Semester-End Theory and Practical Examinations, along with the corresponding Question Paper Pattern, shall be in accordance with the regulations of the B. Pharm Degree Programme under the Choice Based Credit System (CBCS) as per NEP 2020 prescribed by the Pharmacy Council of India (PCI).

9.4 Supplementary Examination (SPE):

(RR registration, grade F in course)

The Institute may decide to hold a Supplementary Examination (SPE) for SEEs at the end of each semester for students who have failed in course, such students will have to seek RR registration to take up SPE.

9.5 Schedules of SEE and SPE:

SEEs of all courses of the programme, as per the teaching scheme, will be held at the end of each Semester as per the tentative schedule below.

Semester	For Regular Examination
I, III, V and VII	November / December
II, IV, VI and VIII	May / June

The date of the Supplementary Examinations (SPE) will be held generally with in 2 months from the date of result declaration of SEE and will be for only those courses that are offered in that semester.

9.6 Absence in SEE examination with or without approval will be assigned Zero [0] marks and appropriate grade will be given to the student. However, s/he will be permitted to appear in the Supplementary Examination.

10.1 CE & PW:

The Course Coordinator in consultation with the faculty teaching in a course proposes the CE & PW components and their inter se weightage as per the PCI Course Regulations to the respective Head of Departments. The Dean takes the final decision for the same in consultation with the Departmental Head and the same be notified to the students before commencement of the course. Normally the faculty teaching a course/ component shall be the examiner for assessing the CE & PW components of the course.

10.2 Semester End Examination:

Normally the examiners for assessment of SEE shall be appointed as per the guidelines and examinations rules of Nirma University. There will be a minimum of two examiners in a course and both the examiners are individually responsible for assessment work allotted to them. The assessment shall be carried out after the meeting of examiners to discuss and finalize the Marking Scheme and the methods of evaluation, which will be duly minuted for further reference.

10.3 Maintenance of the assessed material of the SEE:

The examination section of the University shall maintain the assessed material of the semester/trimester end examination for one year.

10.4 Timeliness of Result Announcement:

It is essential to maintain the timeliness of all components of assessments, both formative and summative. In any case, the faculty should not take more than 07 days to declare any result of the formative assessment and normally not more than 07 days to submit the assessment of the Semester End Examination to the university examination section.

10.5 Declaration of final results:

The university shall announce the course grades of every semester/trimester within 10 days from the date of completion of the Semester End Examination. In case of failure to do so, the reasons for non-completion of results will be informed to the Director General.

10.6 Review of the question papers of SEE:

The Internal Quality Assurance Cell (IQAC) shall ensure that the review of the question papers should be completed within 30 days of the completion of the Semester End Examination.

The Head of the Institute shall form a departmental or Institute level committee consisting of three senior faculty members to review the quality of the question papers for the semester end examination. The report of the same shall be submitted to the Head of the Institute within 30 days of the completion of the said examination.

The Policy on Assurance of Learning [notified by Nirma University from time to time] shall be referred and accordingly, parameters of review of the quality of the question papers of SEE shall be carried out. The summary report of this review shall be placed before the Board of Studies of the concerned department for discussion and further improvements.

10.7 Audit of Course Assessments:

To enhance the quality of assessment, an audit of the assessment of a course in a semester shall be conducted in the programme covered under the policy. The course will be selected by the concerned Dean in consultation with the department head. The Institute shall develop a suitable mechanism to audit the same and report to the Director General through University IQAC.

R.PHARMACY (UG) 11: GRADE AND PERFORMANCE LEVELS

The overall Academic Performance level of a student in any course will be adjudged in Semesters of the letter grades, and grade points. Table-II provides significance of letter grades along with its equivalent grade points.

11.1 Absolute Grading:

The University follows the absolute grading system where the overall percentage of marks of a course shall be assigned an appropriate later grade as per the Grading system.

11.2 Course Grade:

Course grade will be given only when the student meets with the academic standards of passing of a course.

Marks of SEE, CEE and PWE (as applicable) examinations shall first be aggregated on the basis of Course Structure (semester wise) and Teaching & Examination Scheme for Internal and Semester End Examination. The overall percentage of marks, if fractional, will be rounded off to the next higher integer. After the aggregate marks of a student is calculated, the performance of each student in the course as a whole will be assigned a grade using the below conversion table.

Table No. II Conversion of Marks into Course Grades

Overall Percentage (%) of Marks obtained	Letter Grade	Performance	Grade Point
90 to 100	O	Outstanding	10
80 to 89.99	A	Excellent	9
70 to 79.99	B	Good	8
60 to 69.99	C	Fair	7
50 to 59.99	D	Average	6
Less than 50	F	Fail	0
Absent	AB	Fail	0

The Grade Report/Transcript will show only the Course Grade and not the marks.

R.PHARMACY(UG) 12: PERFORMANCE LEVELS

The performance level of a student in credit courses at different stages of the study in a programme is assessed by the following measures.

12.1 Course Grade Point:

The numerical value (Grade Point) corresponding to the letter grade obtained in a course by a student.

12.2 Semester Grade Point Average (SGPA):

The Grade point Average (GPA) is computed from course grades as a measure of student performance in the courses. SGPA is based on the grades of all courses scheduled under a semester and it is the ratio of the sum of the product of the number of credits with the corresponding grade points scored by a student in each course and the sum of the credits of all the courses undergone by a student.

$$\text{SGPA } (Si) = \sum(Ci \times Gi) / \sum Ci$$

where Ci is the number of credits of the ith course and Gi is the grade point scored by the student in the ith course of the semester.

The SGPA is calculated to two decimal points. It should be noted that, the SGPA for any semester shall take into consideration the F and ABS grade awarded in that semester.

12.3 Cumulative Grade Point Average (CGPA) :

The SGPA is based on the grades in all courses taken in a semester, while the CGPA is based on the grades in all courses taken after joining the programme of study at any point of study of a programme.

$$\mathbf{CGPA = \sum(Ci \times Gi) / \sum Ci}$$

where Ci is the number of credits of the ith course, Gi is the grade point of the ith course at any point of study of the progrmme.

The SGPA and CGPA shall be rounded off to 2 decimal points and reported in the transcripts.

12.4 Equivalent Percentage (%) Marks for CGPA:

In case an equivalence between CGPA values and percentage of marks is desired, the same can be obtained as given below:

Equivalence % of marks = CGPA value x 10.

12.5 Declaration of Class

The Class shall be awarded on the basis of CGPA as follows:

First Class with Distinction	= CGPA of 7.50 and above
First Class	= CGPA of 6.00 to 7.49
Second Class	= CGPA of 5.00 to 5.99

12.6 Credit Record and Transfer Mechanism

The Examining Authority shall be responsible for creation and verification of Academic Bank of Credits ID, uploading and maintenance of semester wise credits/grades and award in the ABC and National Academic Depository (NAD) to facilitate the credit transfer and redemption as per guidelines of statutory bodies.

R.PHARMACY (UG) 13: PASSING STANDARDS

13.1 Promotion

A student shall be declared PASS and eligible to receive a grade in a course of the B.Pharm. programme if he/she secures at least 50% marks in that particular course, including internal assessment. For example, to be declared PASS and to receive a grade, the student must secure a minimum of 50 marks out of a total of 100, inclusive of internal assessment marks (continuous

internal assessment and sessional examination marks) and the end-semester theory examination marks as applicable

13.2 The standard for passing a course:

The minimum standard for passing a course as whole is "Grade D".

13.3 Carry forward of internal assessment marks

In case a student fails to secure the minimum 50% in any Theory or Practical course as specified in 13.1, then he/she shall reappear for the end semester examination of that course. However, his/her marks of the Internal Assessment shall be carried over and he/she shall be entitled for grade obtained by him/her on passing.

13.4 Improvement of internal assessment

A student shall have the opportunity to improve his/her performance only once in the Sessional exam component of the internal assessment. The re-conduct of the Sessional exam shall be completed within that particular semester only. The re-conduct of sessional examinations for failed candidates shall be conducted only once for the purpose of improving their sessional marks, without changing their continuous internal assessment.

13.5 Academic Standard for Successful Completion of a Semester:

For successful completion of a semester a student is required to earn a minimum SGPA of 6.00 besides he/she is required to pass all courses of semester

13.6 Award of Ranks

Ranks and Medals shall be awarded on the basis of final CGPA. However, candidates who fail in one or more courses during the B. Pharm Programme shall not be eligible for award of ranks. Moreover, the candidates should have completed the B. Pharm Programme in minimum prescribed number of years (i.e. four years) for the award of Ranks.

R.PHARMACY(UG) 14: FAILURE

14.1 Failure of course:

A student not meeting the minimum academic standard for passing the course shall be awarded Grade 'F'.

R.PHARMACY (UG) 15: ACADEMIC BREAK:

15.1 A student will be allowed to take the break up to two academic years during the programme due to medical reason or any other justifiable reason subject to approval of the Director General on the recommendation of the Dean. The decision of Director General for consideration or rejection of such request shall be final. If the student considered for Academic break, then following conditions shall apply:

a) The student shall not be entitled for award of Medal,

b) The student has to complete the study within the admissible duration to complete the programme,

c) Payment of all applicable fees.

15.2 Re-admission after Break of Study

A candidate seeking re-admission to the programme after a break in studies must obtain approval from the university by paying the prescribed condonation fee. Condonation will not be granted if the break in study exceeds two years or if the student fails to complete the programme within the maximum permitted duration (N×2).

R.PHARMACY (UG) 16: ACADEMIC PROGRESSION RULE

In order to successfully complete a semester a student is required to meet the academic standard as per Regulation R.PHARMACY(UG) 13.5. However, a student be allowed to promote to the next higher semester even if he/she has not met with the all requirements subjects to certain conditions.

16.1 Failure in Course:

Students are permitted to progress to the next semester even if they fail a course. However, to appear for the Semester VIII end semester examination, a student must have successfully completed all courses up to Semester VII. The final CGPA shall be awarded only after successful completion of all courses from Semester I to Semester VIII within the maximum duration prescribed by PCI. Lateral entry students shall successfully complete all courses from Semester III to Semester VII before appearing for the Semester VIII end semester examination

16.2 Failure to meet the Academic requirement of the Semester:

If a student fails to meet with the above condition (Clause 16.1) will not be permitted to register for respective higher semester. Such students will repeat sufficient number of courses as ex-student and meet with the requirement of the promotion criteria.

R.PHARMACY (UG) 17: AWARD OF DEGREE

17.1 To qualify for the award of Bachelor of Pharmacy degree a student requires:

a) CGPA 6.0

b) successfully complete the prescribed credits of the programme as specified in the Teaching and Examination Scheme

17.2 Duration for Completion of the Programme

The maximum period permitted for completion of the Programme shall be twice the prescribed duration of the Programme. Any student who fails to complete the Programme within this stipulated period shall be required to discontinue the course.

Nirma University
Institute of Pharmacy

Annexure – I

R.PHARMACY. (UG) .2:

ELIGIBILITY CRITERIA AND DETERMINATION OF MERIT FOR ADMISSION

First year B. Pharm:

- A candidate shall have passed the 10+2 examination conducted by the respective State or Central Government authorities, or any equivalent examination recognized by bodies such as the Association of Indian Universities (AIU) or the Council of Boards of School Education in India (COBSE), including wings such as IGNOU and NIOS, with English as one of the subjects and with Physics and Chemistry as compulsory subjects, along with either Mathematics or Biology.
- Any other qualification approved by the Pharmacy Council of India as equivalent to any of the above examinations.

B. Pharm lateral entry (to third semester):

- Candidate shall have passed in D. Pharm. course from an institution approved by the Pharmacy Council of India under section 12 of the Pharmacy Act.

DETERMINATION OF MERITS FOR THE ADMISSION:

The method of determining the merit for the admission will be decided by the Director General, Nirma University from time to time depending upon the requirement.

SECTION E

B. PHARM.
Course Details

ASSESSMENTS OF COURSES IN B.PHARM. PROGRAMME

[From Gazette copy add - 11.2 Internal Assessment: Continuous Internal Assessment and Sessional examination - whole content (Including Table XI, Table -XII (Page no. 401 whole page) and 11.2.1 (Page no. 402 whole page) Table XIII and Table XIV and 11.3 Table XV and Table XVI along with the foot note # upto point no 12].

DETAILS OF THE COURSE

First Year

Semester I

- Basics of Python Programming for Pharmaceutical Sciences
- General Pharmacy
- Healthcare Psychology and Communication Skills
- Human Anatomy, Physiology and Pathophysiology I
- Introduction to Pharmacognosy
- Pharmaceutical Inorganic and Analytical Chemistry

Semester II

- Applied Biostatistics and Data Analytics for Pharmaceutical Sciences
- Biochemistry
- Human Anatomy, Physiology and Pathophysiology II
- Pharmaceutical Organic Chemistry
- Pharmacognosy and Phytochemistry
- Physical Pharmaceutics
- Skill Enhancement Courses (SEC) (Choose any one course)
- Communication Skills
- Mental Well-Being, Stress & Conflict Management
- Fundamentals of Computer Operations

Second Year

Semester III

- Introduction to Machine Learning in Pharmaceutical Sciences
- Environmental Sciences
- Ethics and Universal Human Values
- General Pharmacology
- Heterocyclic Compounds and Stereochemistry
- Pharmaceutical Dosage Forms I
- Pharmaceutical Engineering
- Pharmaceutical Microbiology

Ability Enhancement Courses (AEC) (Choose any one course)

- Nutraceuticals and Functional Foods
- Food Analysis
- Yoga and Life Sciences

Semester IV

- Herbal Drug Technology
- Medicinal Chemistry
- Pharmaceutical Biotechnology
- Social Pharmacy and Public Health
- Systemic Pharmacology I
- Internship (Mandatory)

Third Year

Semester V

- Biomedicinal Chemistry
- Industrial Pharmacognosy
- Innovation and Startup Ecosystem
- Pharmaceutical Dosage Form II
- Pharmaceutical Quality Assurance
- Systemic Pharmacology II

Semester VI

- Advanced Pharmacognosy
- Biopharmaceutics and Pharmacokinetics
- Intellectual Property Rights
- AI applications in Pharmaceutical Sciences
- Pharmaceutical Analysis
- Pharmaceutical Jurisprudence
- Internship (Mandatory)

Ability Enhancement Courses (AEC) (Choose any one course)

- Green Chemistry
- Materiovigilance and Hemovigilance
- Scientific Writing
- Drug Store and Business Management
- Career Building in Cultivation of Medicinal Plants
- Active Pharmaceutical Ingredients and Excipient Sciences

Skill Enhancement Courses (SEC) (Choose any one course)

- Computer-Aided Drug Design
- Analytical Method Development and Validation
- Principles of Preclinical Studies

Value Added Courses (VAC) (Choose any one)

- Professional Skills
- Process Analytical Technology (PAT) and QbD in Formulation Science

Fourth Year

Semester VII

- Biostatistics Research Methodology
- Cosmetics and Cosmeceuticals
- AI in Clinical Applications
- Modern Analytical Techniques
- Pharmacovigilance
- Pharmacy Practice

- Regulatory Affairs
- Research Projects

Ability Enhancement Courses (AEC) (Choose any one course)

- Current Good Manufacturing Practices (cGMP)
- Pharmaceutical Automation
- Modern Techniques in Cellular Biology
- Medical Devices
- Transformation of Food Waste into Medicinal Products
- Biosimilars, Vaccines & Macromolecules

Semester II

- Ethical Considerations and Translational Applications of AI in Pharmacy
- Clinical Pharmacotherapeutics
- Industrial Pharmacy and Facility Design
- Pharmaceutical Management
- Sterile Dosage Forms and Novel Drug Delivery System
- Research Projects

Ability Enhancement Courses (AEC) (Choose any one course)

- Pharmaceutical packaging
- Supply Chain Management
- Industrial Safety and Waste Management
- Traditional Heal Practices of India
- Futuristic Pharma through AR/VR: Pharma 4.0
- Herbal Cosmetic for Industry Perspective

Value Added Courses (VAC) (Choose any one)

- Cleaning Validation
- Basic Training in Aseptic handling Techniques
- Impurity Profiling

SECTION F

FORMS & DECLARATION

(For reference purpose only)

NIRMA UNIVERSITY
INSTITUTE OF PHARMACY
NAAC ACCREDITED 'A+' GRADE

Declaration to be submitted by the Students Admitted to Different Programmes of the University (Code of Conduct)

DECLARATION

I, _____ admitted in _____ (programme) of the Institute of _____, Nirma University do hereby declare and undertake that I will abide by the Code of Conduct, Procedure to inquire and decide with misconduct/indiscipline by students Rules 2020 and other related provisions like dress code on the campus, rules for maintaining vehicles on the campus, and public display of affection (PDA) and etiquette on the campus etc.

I will abide by all the rules and regulations and if I am found violating any rules then, I shall be subjected to the major/minor penalties as per the provision of aforesaid rules.

In case any legal issue arises, the jurisdiction shall be Ahmedabad, Gujarat only.

Date:

Place: Signature of the student

Name of the student: _____

Signature of the Parent/ Local Guardian _____

Name of the Parent/ Local Guardian: _____

NIRMA UNIVERSITY
INSTITUTE OF PHARMACY
NAAC ACCREDITED 'A+' GRADE

Undertaking for Rules & Regulations of the Examination

I, _____ Roll No. _____

studying in First year of _____ programme at Institute of _____,

Nirma University, Ahmedabad do hereby undertake that I have read and understood all the Rules & Regulations related to Academic Dishonesty at examinations/tests/assignments and punishment in case of using unfair means, I have also gone through the Academic Regulations related to Granting of Term and Cancellation of admission, and I shall observe, follow and abide by all these rules and regulations.

I shall abide by all the rules and regulations and if I am found violating any rules then, I shall be subjected to the necessary action/penalties as per provision of rules/regulations.

In case any legal issue arises, the jurisdiction shall be Ahmedabad, Gujarat only.

Signature _____

Name _____

Address _____

_____

Signature of Parents _____

NIRMA UNIVERSITY
INSTITUTE OF PHARMACY
NAAC ACCREDITED 'A+' GRADE

UNDERTAKING

(To refrain from consumption of Drugs and Alcohol)

I, _____ bearing Roll No. _____ admitted in _____ (programme) of Institute of _____, Nirma University, do hereby declare and undertake that I will refrain myself from consumption of Drugs and Alcohol.

I have read the relevant instruction with regard to bane on consumption of drugs and alcohol. I am aware that the use/possession of narcotics drugs and alcohol is a punishable offence under the law of the Government of Gujarat and if I am found guilty of using such thing/s, then it will amount to a criminal offence and I am liable for the appropriate penalty as per laws.

I hereby give an undertaking to the Institute that I will refrain myself from consumption of Drugs and Alcohol.

Date _____

Place _____ Signature of Student

I undertake that I will take utmost care to see that my ward does not get involved in any such incident.

Name of Parent/Guardian _____

Signature of Parent/Guardian _____

Address of Parent/Guardian with contact nos. _____

NIRMA UNIVERSITY
INSTITUTE OF PHARMACY
NAAC ACCREDITED 'A+' GRADE

FORM OF MEDICAL FITNESS CERTIFICATE

(To be produced at the time of reporting at the institute)

I / Dr. _____ (Name & Designation) posted in _____ (Name of Hospital & Place) certify that I have carefully examined _____ (Name of Candidate) S/o. D/o. Shri _____ and according to his/her medical examination, I have diagnosed nothing that may prevent him/her pursuing under graduate/post graduate degree courses.

He/She has no disease or mental or bodily infirmity making him/her unfit or likely to make him/her unfit in the near future for visits / training / internships / projects etc. at industries, and active out door duty, as a student.

Mark of identification: _____

Signature of Medical Officer

Seal of Designation and Hospital

Dated:

Photograph of candidate duly attested by the Medical Officer

NIRMA UNIVERSITY
INSTITUTE OF PHARMACY
NAAC ACCREDITED 'A+' GRADE

UNDERTAKING FOR CONDUCT AND DISCIPLINE RULES FOR THE STUDENTS

I,.....IP,NU Merit No. / Roll No. ..... admitted in ..... (programme) of the Institute of Pharmacy, Nirma University do hereby declare and undertake that I shall comply with followings:

1. I always carry the identity card while I remain in the campus and produce if required by the competent authorities.
2. I attend all the scheduled classes from the beginning to the end of the term/semester. I am aware that absence due to illness or any unavoidable circumstances shall be considered only if the application is supported by medical certificates and/or if the leave application is submitted to the Director through the parents.
3. I shall be polite individually or in groups and show respect to the faculty (teachers) as well as to the staff of the Institute. I shall follow the Instructions in connection with academic or other matters as instructed by the teachers from time to time. I shall not participate in activities that may cause harm to the academic environment or teacher-student relation.
4. I am aware that the action of any individual, group or wing which amounts to interference in the regular administration of the Institute/University is prohibited.
5. I am aware that Causing disfiguration or damage to the property of the Institute/University or belongings of staff members or students is forbidden.
6. I am aware that No student shall indulge in any activity in the college campus that might be illegal or may lead to disorderliness.
7. I am aware that I should not be in possession of any intoxicant or intoxicating materials and should not consume such things.
8. I am aware that use of any kind of mobile phones; whether ordinary, camera phone or smart phone in the academic areas during academic activities, is prohibited. However, for academic purpose or in exceptional cases, the students can be allowed to use mobile with prior permission. Unauthorized use of mobile phone in the academic area specifically in the classrooms is prohibited failing to which the fine of Rs. 5000/- can be imposed.

   During the examinations; specified rules for the same shall be followed.
9. I shall abide by the Code of Conduct, Procedure to inquire and decide with misconduct/indiscipline by students Rules 2020 and other related provisions like dress code on the campus, rules for maintaining vehicles on the campus, and public display of affection (PDA) and etiquette on the campus etc.

Signature of Student _____ Date : _____

Declaration

I,……,solemnly affirm, declare and undertake that I shall abide by all the rules and regulations and if I found violating any rules then, I shall be subjected to the necessary action/penalties as per provision of rules/regulations. In case of any legal issue arises, the jurisdiction shall be Ahmedabad, Gujarat only.

Sign .....

Date:

Place: Ahmadabad

NIRMA UNIVERSITY
INSTITUTE OF PHARMACY
NAAC ACCREDITED 'A+' GRADE

UNDERTAKING FOR ACADEMIC RULES AND REGULATIONS

Registration No./Merit No. _____

I, Mr./Ms. _____ son/daughter of _____ have secured admission at the Institute of Pharmacy, Nirma University in the year 2026-27 for the Four Year B Pharm Programme. I hereby confirm that I have gone through the academic rules and regulations of the programme/Institute very carefully and I assure you that I will abide by the same.

_____ _____

Name & signature of student Endorsement by parent/guardian

NIRMA UNIVERSITY
INSTITUTE OF PHARMACY
NAAC ACCREDITED 'A+' GRADE

UNDERTAKING FOR NOT INVOLVING HIMSELF/ HERSELF FOR RAGGING

I, _____ admitted in the First Year of the Four Year B. Pharm. Programme at the Institute of Pharmacy, Nirma University, do hereby declare and undertake that I am fully aware of the rules and regulations regarding ragging and aware of the University's policy towards zero tolerance on ragging which are in line with the Directives of the Hon'ble Supreme Court of India. I am also aware about the punishment, if I found guilty of ragging or violating the rules.

Date:

Place: Signature of the student

Name of the student: _____

Signature of the Parent/ Local Guardian _____

Name of the Parent/ Local Guardian: _____

NIRMA UNIVERSITY
INSTITUTE OF PHARMACY
NAAC ACCREDITED 'A+' GRADE

ATTENDANCE POLICY

1.0 Purpose

The purpose of this policy is to establish clear and consistent attendance guidelines for students, ensuring that they understand the importance of regular and punctual attendance in achieving academic success.

2.0 Scope

This is applicable to all students registered at Institute of Pharmacy, Nirma University.

3.0 Definition

Course	It is a series of lessons or lectures on a particular subject in any programme in Institute of Pharmacy, Nirma University.
Course Coordinator	Faculty in charge for course any progrmme at Institute of Pharmacy, Nirma University.
Events	It is organized gatherings such as academic conferences, workshops, social activities, sports and cultural performances, aimed at enhancing the educational experience, fostering community engagement, and promoting professional and personal development among students and faculty.
Assessment	Assessment refers to a systematic process of evaluating, measuring, and documenting the knowledge, skills, attitudes, and beliefs of learners (Formative and Summative Assessment).

4.0 Policy Statement

4.1 Students are required to attend all classes, practical work, and tutorials conducted throughout the day.

4.2 Attendance will be taken by the course coordinator or faculty in charge of each class. The objective is not mere attendance but fostering a positive interaction and learning environment.

4.3 Attendance will be taken within the first 5 minutes of the class. Students must be present before the faculty enters. Students entering after 5 minutes will not be granted attendance under any circumstances.

4.4 Students must seek prior permission from the Director to be absent from any theory, practical, or tutorial sessions by submitting a leave application form available with the Personal Assistant (PA) to the Director. Absence without prior permission will be treated as an act of indiscipline and processed accordingly.

4.5 In case of emergencies or medical reasons, students may take medical leave. Upon returning, they must submit the required documents (medical certificate, prescription) along with the official leave form to Personal Assistant (PA) to the Director, covering the period they could not attend the Institute.

4.6 As per University regulations, students are required to attend 85% of the classes conducted in each course. However, the Director may consider up to 75% attendance with valid reasons for absence, if the appeal committee is convinced by the reasons provided by the student.

4.7 Students with less than 75% attendance will not be allowed to sit for the final semester or year-end examinations (theory and practical).

4.8 Students who are barred from taking the final semester or year-end examination due to insufficient attendance (in either theory or practical classes, or both) must retake the semester with mandatory attendance. They are required to attend all theory and/or practical classes again, participate in all continuous assessments, and meet the attendance requirements before they are eligible to sit for the final semester or year-end examination.

4.9 Attendance will be reviewed three times in a semester, and the report will be sent to parents. The dates of the attendance review committee meetings will be provided in the academic calendar.

4.10 Students with attendance shortfalls will be called before the appeal committee. The committee will hear the cases on an individual basis and decide accordingly.

4.11 Students wishing to participate in internal or external academic, sports, or cultural events must seek approval seven (7) days before the event. They must write a letter, get an endorsement signature from the respective event coordinator, and obtain approval from the Director, Institute of Pharmacy.

4.12 The approved letter must be submitted with the leave form and other necessary documents to Personal Assistant (PA) to the Director, at least three (3) days before the commencement of the event.

4.13 Post-event approval is not accepted, and attendance will not be granted for the day or for lectures/tutorials/practicals missed.

4.14 Attendance for practicing any type of event will not be considered without prior approval from the respective event coordinator and the Director, Institute of Pharmacy, Nirma University.

4.15 Every student is allowed to participate in a maximum of 3 internal events (at the institute or University level) and 2 external events (outside Nirma University) per semester/year.

4.16 The Institute will not be responsible for students missing any component of examination due to their leave.

5.0 Related Policies, legislations, rules or regulations

5.1 Examination Regulation, IPNU

5.2 Academic Regulation, IPNU

LEGEND

1 - SECURITY MAIN GATE - 82 mt. FROM HERE
2 - PARKING SPACE - 160 mt.
2-A - PARKING SPACE - 405 mt.
3 - TRANSPORT OFFICE - [T] - 175 mt.
4 - CAR GARAGE - 228 mt.
5 - PETROL PUMP - 380 mt.
6 - POLICE STATION - 190 mt.
7 - SECURITY GATE 1 - 159 mt.
8 - SEWAGE TREATMENT PLANT - 116 mt.
9 - BLOCK-A MECHANICAL & CHEMICAL ENGG. DEPARTMENT - [A] - 140 mt.
10 - POST GRADUATE AND RESEARCH CENTER - [PG] - INSTITUTE OF TECH. DIRECTOR OFFICE - 210 mt.
11 - BLOCK-C INSTITUTE OF ARCHITECTURE AUDITORIUM - [C] - 330 mt.
12 - SPORT GROUND, HOCKEY & FOOTBALL - 100 mt.
13 - CONVOCATION STAGE - 130 mt.
14 - OPEN AIR THEATRE - 110 mt.
15 - WORK SHOP - [W] - 145 mt.
16 - HEALTH CENTER,DIESEL GENERATOR ROOM & ELEC. SUB STATION - 350 mt.
17 - BLOCK-B CIVIL ENGG. DEPT., IT & COMP., M.C.A. DEPARTMENT, LIBRARY (INST. OF TECH.) - [B] - 175 mt.
18 - CANTEEN BUILDING, ISI CELL, STUDENT STORE, STUDENT SECTION, ATM & BANK - [C] - 270 mt.
19 - BLOCK-D ELECTRICAL ENGG., EC & IC DEPT. - [D] - 360 mt.
20 - SECURITY GATE 2 - 315 mt.
21 - WATER FALL (STRUCTURE) - 205 mt.
22 - UNIVERSITY BUILDING, AUDITORIUM, CENTRAL LIBRARY & CLASS ROOMS (WORK IN PROGRESS) - 355 mt.
23 - INSTITUTE OF LAW - [L] - 305 mt.
24 - FOOD COURT 2 - [F] - 905 mt.
25 - BOYS HOSTEL - [H] - 680 mt.
26 - GIRLS HOSTEL - [H] - 805 mt.
27 - STUDENT ACTIVITY CENTER (DINING HALL, CANTEEN, GYMNASIUM, ROBOTIC LAB, YOGA HALL, INDOOR GAMES ROOM) - 685 mt.
28 - UNDER GROUND WATER TANK (5 LACS LITER) - 680 mt.
29 - OVER HEAD WATER TANK (2 LACS LITER) - 715 mt.
30 - BOYS HOSTEL - [H] - 850 mt.
30-A - GUEST HOUSE - [G] - 715 mt.
31 - SECURITY GATE 3 - 425 mt.
32 - INSTITUTE OF MANAGEMENT, AUDITORIUM - [M] - 575 mt.
32-A - UNIVERSITY OFFICE - 575 mt.
33 - FOOD COURT 1 - [F] - 705 mt.
33-A - MULTI PURPOSE ACTIVITY LAWN
34 - CRICKET GROUND - 700 mt.
35 - BADMINTON COURT - 705 mt.
36 - TENNIS COURT, BASKET BALL COURT, VOLLEY BALL COURT & CRICKET PITCH FOR PRACTICE - 760 mt.
37 - INSTITUTE OF PHARMACY - [P] - 670 mt.
38 - ANIMAL HOUSE - [AH] - 670 mt.
39 - ELECTRICAL SUBSTATION BUILDING & A.C. PLANT ROOM - 780 mt.
40 - INSTITUTE OF SCIENCE - [S] - 825 mt.
41 - HERBAL GARDEN - 830 mt.
42 - PROPOSED GIRLS HOSTEL (15 STOREY) - [H] - 530 mt.
43 - NIRMA VIDHYAVIHAR (SCHOOL BUILDING)

0 15 30 60 100 150 Mt.

LAYOUT FOR NIRMA UNIVERSITY CAMPUS, AHMEDABAD.

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NIRMA UNIVERSITY

INSTITUTE OF PHARMACY

NAAC ACCREDITED 'A+' GRADE

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