



MESCO INSTITUTE OF PHARMACY



FORENSIC
PHARMACY



**PROSPECTUS
2019-2020**





VISION

"To be an institute of excellence in Pharmacy education and research, with community development as its prime focus."

MISSION

Our mission is to groom future industry leaders and academicians in pharmacy discipline who will be thorough professionals with good values & excellent interpersonal skills. We aim to be a world class centre of pharmaceutical learning driven by professionalism, dynamism, innovation and research.

**“ Real education enhances
the dignity of a human being
and increases his or her
Self-respect.”**

- Dr A.P.J. Abdul Kalam



From the Chairman's desk

Chairman's Profile

Mr. Kamal Faruqui is a renowned practicing Chartered Accountant associated with several important positions in Government and Non-Government organizations. A self-made man, a front-ranking modern face of Indian Muslims, Mr Kamal Faruqui is associated with many educational and social organizations. His efforts originate from the belief that education is the key to effective nation-building, promoting women education and modernization of madarsas and many more.

He is a prolific speaker, efficient organizer, expert on issues of minority rights, communal harmony and inter-faith dialogue. He promotes educational activities to dispel economic backwardness for effective nation building. He is actively associated with civil society groups.

He has been involved with multiple educational institutions across the country. He is one of the founding member of World Education Development Organisation (WEDO), New Delhi, a society that established New Horizon School, an unaided minority institution which has come to being a sought after school in South Delhi over the last 3 decades. He has been associated with Al-Ameen education movement and is on the board of many medical and engineering colleges across the country. As an Ex-Director of Central Bank of India and Former Chairman of Delhi Minority Commission he has made significant contribution in diverse fields. Mr Faruqui is already well known and trusted in Amroha, his birthplace, for establishing and successfully running an education hub comprising of Mesco Public School and RBMM College imparting B Ed (Bachelor of Education) programme.



“ Pharmacy education is an exciting and unique blend of science, healthcare, technology, business, math, and counselling. It also provides you with a variety of rewarding, stable, high-paying career options. It's an industry that's poised for both continual growth and also actively involved in improving living conditions across the globe.

Pharmacy practice is an indispensable part of modern health care, and the demand for well-trained pharmacists is projected to grow well into the 21st century. At Mesco Institute of Pharmacy, our goal is to provide an exemplary, learner-centered pharmacy education. We are dedicated to harnessing the passion and work ethic of our students and faculty to create the very best pharmacy education.

As the healthcare needs of the nation and the world continue to grow, the escalating demands on the healthcare system will require increasing participation of pharmacists to assist healthcare teams and health-systems provisions.

With these thoughts in mind, Mesco Institute of Pharmacy is running its Pharmacy program.

I welcome you to Mesco Institute of Pharmacy.

The journey has begun and we are excited for the future! ”

GOVERNING COUNCIL



Dr. P.K. Abdul Azis, President

He is a scientist in Ecology and Biodiversity and an academic from India who has published 77 research papers. He has been the Vice-Chancellor of Cochin University of Science and Technology and Aligarh Muslim University. He was also the Vice Chancellor of the University of Science and Technology Meghalaya. He was also the chairman of the Expert Committee for Revision of curriculum for School Education, appointed by Kerala government. He received a D.Sc. in Ecology (2002) and a PhD (1978) from the Department of Aquatic Biology & Fisheries, University of Kerala.



Kamal Faruqui, Vice President

Practising Chartered Accountant, Educationist, Social Activist, Former Chairman of Delhi Minorities Commission and former director of a Nationalised bank.



Shabi Ahmad, Secretary

He is an ex-bureaucrat from the Ministry of HRD, Govt. of India and is known as an administrator par excellence, prolific speaker and an expert on education, minority rights and Hajj affairs. Till recently he was the CEO of Anjuman-i-Islam, a 145 years old organization based in Maharashtra. He also worked with NCMEI, and an advisor to the Ministry of Minority Affairs, govt. Of India. A former CEO of Central Hajj Committee, Ministry of External Affairs. Heretired from Dept. Of Ministry of HRD. A founder member of various educational organisation's like RBMM, Amrohaand World Education Development Organisation (WEDO) Delhi, he is the Vice Chairman of Mesco Institute of Pharmacy, Amroha.



Prof. Shahid Ansari, Member

Prof Shahid H Ansari is Professor in Dept. of Pharmacognosy and Phytochemistry at SPER, Jamia Hamdard University, New Delhi. He has been the acting Vice Chancellor of Jamia Hamdard University in the past and is an authority in the field of pharmaceutical research and academics. He has been a member of the Pharmacy Evaluation and Accreditation Committee of National Board of Accreditation and Chairman of the research committee of Pharmacy of AKTU.



Prof. Roop K Khar, Member

Prof. Roop Krishen Khar is a renowned academician and a research scientist. He has supervised 75 Ph.D., 175 M.Pharm. theses and published more than 300 research papers in International & National journals. Dr.Khar is inventor of two US & one Indian patent and 14 Indian Patents have been filed. He has published eleven text books, including the latest one, 4th revised edition (2013) of Leon Lachmans Text Book of Industrial Pharmacy.



Prof. (Mrs.) Harvinder Popli, Member

Professional accomplishment of over 29 years of experience in R&D, Academics and Industry in the field of Pharmaceuticals. B Pharm (Gold Medalist) from Delhi University in 1984, M. Pharm in Pharmaceutics with distinctions from Delhi University along with Post graduate diploma in Business Management (Gold Medalist) from IMS Delhi in 1986.

Awarded prestigious Commonwealth fellowship in UK to pursue post-doctoral research in Manchester UK 1995-1996. She is currently the dean at DPSRU, the only pharmaceutical university in India.



Shazli Ahmed Khan, Member

A Pharmacist by qualification from reputed institutions like Hamdard and Manipal College of Pharmaceutical Sciences. Senior corporate leader working with Novartis Singapore as Director and Head, Business Development and Licensing for Asia Region. He is volunteering with MIP pro-bono to help provide thought leadership to the institute in our formative years.



M.R. Shamshad, Member

M. R. Shamshad, a Human Right Activist and working in the field of education is a New Delhi based practicing lawyer in the Supreme Court of India as well as various High Courts in India. He is enrolled with the Delhi Bar Council and is an Advocate-on-Record of Supreme Court of India.



Dr. Abdul Samad, Member

M.Pharm, Ph.D and has vast teaching experience in the universities of international repute at UG & PG level. He is among the few pioneers in U.P. who had started research in molecular modelling, which honoured him to be invited in DIPS&R to teach those skills to the PhD scholars in 2008.



Profession of Pharmacy

Pharmacy is a well-recognized & widely known discipline which offers an attractive career option for students interested in the life sciences and healthcare industry.

The practice of pharmacy has evolved from a historical emphasis on the preparation and distribution of drug products to new activities and responsibilities that focus on the rational, safe and cost-effective use of drugs. Just as it is generally assumed that physicians are primarily involved in providing medical care and nurses in providing nursing care, pharmacists are the primary providers of pharmaceutical care. The mission of the pharmacy profession, therefore, is to meet the pharmaceutical care needs of the public.

In the pharmaceutical industry, pharmacists are valuable contributors to research and development programs, clinical trials of new medications, and quality control efforts. Additionally, pharmacists may develop and/or implement marketing and sales strategies, assure compliance with government regulations, and assist in public relations.

The pharmaceutical industry is one of the most dynamic and sustainable industry growing at healthy rates.

This will lead to an increase in employment opportunities for well-trained pharmaceutical scientists in which pharmacy graduates are well qualified to participate. Industrial pharmacy has diversified, with consolidation in the industry, and now offers a wide choice of career structure both in large innovative pharmaceutical companies and smaller support organizations.

There is a huge variety of roles available within



the pharmaceutical industry. Students of pharmacy discipline can make their careers in the following realms:

- Research & Development – typically working in labs to identify molecules that could be used in medications, or on current medications to improve them.
- Validation – assess and document all equipment and processes to ensure that an action, process or system leads to a consistent and reproducible result.
- Quality Assurance – monitoring the processes and procedures of manufacturing to make sure they meet predefined standards.
- Production (Process) – handling the machinery and systems that actually produce the pharmaceutical product.
- Quality Control – providing testing and checks throughout the manufacturing process to make sure product standards are maintained.
- Regulatory Affairs – deal with the applications and paperwork surrounding regulations that need to be fulfilled before a medicine can be sold to the public.
- Sales and Marketing – commercial roles for effective selling and promotion of pharmaceutical products



Infrastructure and Facilities

Our modern campus is comfortably located on Dhanaura Road, Amroha (UP) and is designed to meet world-class infrastructure standards, playgrounds with modern play equipments, classrooms with latest technology, well equipped labs, abundant light and air and high level of safety and security.

The campus is equipped with modern labs, language labs, class rooms, seminar hall, library, student centre for co-curricular activities, computer labs, academic and administrative blocks and other amenities for exclusive and widespread provision for indoor and outdoor games.

Well Equipped Labs - Modern and well equipped Labs as per the necessary requirements prescribed by approving bodies for different branches of pharmacy viz. Pharmaceutics, Pharm Chemistry, Pharmacology and Pharmacognosy.

Classrooms - All the classrooms are spaciously designed and are well furnished with necessary technical teaching aids like OHP, Slide projectors, LCD Projector, Laptop and power supply.

Seminar Hall - The Institute possesses a Seminar Hall. The Hall will play host to guest lectures, seminars and various presentations.

Library - The library at Mesco Institute of Pharmacy has a rich collection of printed as well as electronic resources which include:-

- Books for particular topics or subjects as well as reference books like dictionaries,

encyclopedias, e-books, etc.

- National and International Journals & Magazines
- Database and Audiovisual material

Computer Facilities - With an ever increasing emphasis on technology, Mesco Institute of Pharmacy has set up computer labs equipped with sufficient number of computers with the latest configuration and software. Wi-Fi facility is also available at the institute.

Herbal Garden - Keeping needs of future research in mind in the field of pharmacognosy, one of the core fields of Pharmaceutical research, MIP has established an herbal Garden to teach students about the evaluation and extraction of drugs obtained from plant source.

SMS Service - The Institute uses an effective SMS service to establish a strong communication link with students. With SMS alerts, students are regularly updated about the latest happenings in the institute.

CCTV Surveillance - CCTV cameras have been installed in the institute premises for safeguarding the well-being of all students and staff. The CCTV Surveillance system is a way of ensuring a safe, secure and healthy learning environment for children.

Cricket Academy - Recognising recreational needs of the students, a Cricket Academy has been set up in the campus

Words of Encouragement

I wish MESCO Institute of Pharmacy the very best in this new endeavor. The mix of right attitude, skilled faculty, management skills and experience is the recipe for the success of an institute. I believe MIP has all the ingredients to become a success.

Dr Mrs Zeenat Iqbal

Associate Professor

School of Pharmaceutical Education & Research, Jamia Hamdard

Though the road may be rocky and filled with difficulties, we know that you can fight whatever challenges you face. I wish MESCO Institute of Pharmacy all the best for this new challenge.

Dr Tanveer Naved

Head, Faculty of Pharmacy,

Amity University, Noida

Every dreamer is not a doer and every doer is not a dreamer. You have the right combination of being a dreamer and a doer. Good luck to MESCO Institute of Pharmacy for the new initiative. Your goal of serving the nation and the community will surely reap benefits.

Prof R.K. Khar

Dean

BS Anangpuriya College of Pharmacy, Faridabad

Today, we need pharma professionals who can apply their knowledge and skills in delivering quality services and products to patients with empathy and integrity. MESCO Institute of Pharmacy with their vision, are on the right path to achieve this. Good

Satish Mehta

CEO & Managing Director

Emcure Pharmaceuticals Ltd.

A pharmacy graduate and pharmacist should have sufficient knowledge, professional, social and communication skills; and exhibit specific attitudes and behavior to effectively discharge their professional roles. This is the need of the hour for any working professional. My best wishes to MESCO Institute of Pharmacy to help students attain the required skills. This is a great pathway in reaching millions of patients and serving the society.

Milind Patil

Chief Financial Officer, Pfizer India

Today, we need pharma professionals who can apply their knowledge and skills in delivering quality services and products to patients with empathy and integrity. MESCO Institute of Pharmacy with their vision, are on the right path to achieve this. Good Luck.

Shazli Ahmed Khan

Director, Business Development & Licensing

Novartis Asia Pacific, Singapore

COURSES



BACHELOR OF PHARMACY

Duration: Four years (8 semesters)

Seats: 60 seats per year

Recognised by: - AICTE, Ministry of HRD, Govt. of India & U.P Govt., Approved by PCI, New Delhi

Affiliated to Dr APJ Abdul Kalam Technical University, U.P, Lucknow

Course Structure: This Course is a 4 year programme based on semester wise examination system, which includes theory & practicals besides individual training. The B.Pharm Course has been specially designed by Dr. APJ Abdul Kalam Technical University, U.P., Lucknow for those who are eager to acquire professional skills in the field of pharmaceutical education. The course has been divided into eight semesters, which include theory & practical's besides project work and industrial exposure.

Eligibility Criteria: 10+2 with 50% in PCB/PCM or Diploma in Pharmacy with minimum 50% marks from any recognized Technical Board.

B PHARMACY FIRST AND SECOND YEAR Course Content

Semester I

- Human Anatomy and Physiology
- Pharmaceutical Analysis I
- Pharmaceutics I
- Pharmaceutical Inorganic Chemistry
- Communication Skills/Remedial Biology/Mathematics

Semester II

- Human Anatomy and Physiology II
- Pharmaceutical Organic Chemistry I
- Pathophysiology
- Biochemistry
- Computer Applications in Pharmacy
- Environmental Sciences

Semester III

- Pharmaceutical Organic Chemistry II
- Physical Pharmaceutics I
- Pharmaceutical Microbiology
- Pharmaceutical Engineering

Semester IV

- Pharmaceutical Organic Chemistry III
- Medicinal Chemistry I
- Physical Pharmaceutics II
- Pharmacology I
- Phramacognosy I

DIPLOMA IN PHARMACY

Duration: 2 years

Seats: 60 seats per year

Recognised by- AICTE, Ministry of HRD,
Govt. of India & U.P Govt., Approved by PCI,
New Delhi.

Affiliated to Board of Technical Education U.P

Course Structure : This Course is a 2 year programme based on yearly examination system, which includes theory & practicals besides individual training.

Eligibility Criteria : 10+2 with 50% in
PCB/PCM

Course Content

D. Pharm 1st year

- Pharmaceutics-I
- Pharmaceutical Chemistry-I
- Pharmacognosy
- Biochemistry & Clinical Pathology
- Human Anatomy & Physiology
- Health Education & Community Pharmacy

2nd Year

- Pharmaceutics-I
- Pharmaceutical Chemistry-I
- Pharmacology and Toxicology
- Pharmaceutical Jurisprudence
- Drug store and business management
- Hospitals and Clinical Pharmacy





Admissions

Admission to B.Pharm and D. Pharm will be made as per the rules prescribed by the Academic Council of Dr. APJ Abdul Kalam Technical University UP, Lucknow.

Eligibility for Admissions:

Candidates who have passed 10+2 with Physics and Chemistry as compulsory subject along with one of the following subjects- Mathematics / Bio Technology / Computer Science / Biology are eligible.





Events organised at MIP During 2018-2019

Induction Programme

The academic year started with the Induction program which involved emphasizing the importance of human and ethical values in students by lectures and mentoring through seminars, workshops and various co-curricular activities.

World Pharmacist's Day

World Pharmacist's Day is celebrated around the globe on 25th September. Students of MIP also showed full fervour in celebrating this day. Various programmes including Debates, Poster presentation, Quiz competition, and cultural activities were organized by faculty members and success of the event was evident by the enthusiastic participation of the students.

National Pharmacy Week

National pharmacy week was celebrated by students and faculty members in the third week of November. Eminent Academia and Researchers were invited on this occasion to highlight the role and relevance of a pharmacist in the health care system; and the recent trends in the profession.

Dr. Shoaib Ahmad, a renowned scholar, having rich research and teaching experience in India and abroad, delivered a lecture on the topic "*Recent Advances in Pharmaceutical Arena*".

Industry-Institute Interaction

The Institute's industry interaction cell invited Mr. Shazli Ahmed Khan, Director -Business Development, South Asia, Novartis, to share his rich industrial experience and educate our students about the "*Upcoming needs of pharmaceutical industry and the scope of pharmacy as a noble profession*".

President of Himalaya Drugs visits MIP

Dr S. Farooq, President of Himalaya Drugs made his way into the hearts of students by interacting and motivating them to achieve excellence in professional as well as personal life. Furthermore, he invited the students to an industrial visit to Himalaya Drugs at Dehradun.

Seminars

Seminar on the topic "Pharmacist: A healthcare professional and need of the globe" was delivered by a very distinguished and prominent personality of Pharmacy education and research, *Prof. S.H. Ansari*, ex Vice Chancellor, Jamia Hamdard. Professor Ansari shared his valuable thoughts and ideas with MIP family and instilled energy into the students and faculty.

Guest Lectures

Dr. Anup Naha, Associate Professor Manipal College of Pharmaceutical Sciences, made a 2 day visit to the institute to deliver a seminar on the topic "Latest advancements and tools for the development of research and pedagogy". Dr. Naha shared with both students and faculty members his experiences as an academician and researcher over the years. He also shared the best practices in teaching and administration which proved very beneficial for our new institute.

Dr M. Mustaqim Abdullah, a well-known academician in pharmacy, shared his ideas about the pharmacy profession and its impact on the society.

Women Empowerment In support of "beti bachao beti padhao" campaign, a women empowerment workshop was organized in which the Honourable civil judge *Mrs. Meenakshi Singh* was invited. She blessed the occasion by sharing her valuable thoughts with the MIP family and insisted to translate the message into the society.

Training and Placement Cell

Mesco Institute of Pharmacy enjoys a strong network within the Indian and global pharmaceutical industry with its advisors having had the privilege of working with leading pharmaceutical companies like Novartis, Pfizer, Zoetis, Ranbaxy (now Sun Pharma) etc across different functions like Sales, marketing, regulatory affairs, formulation development, business development, intellectual property rights etc.

The placement cell at Mesco Institute of Pharmacy is spearheaded by such industry experts that have an eye for most lucrative career options coming up in the pharmaceutical industry. Through their efficient network, the placement cell keeps in touch with leading players in the pharmaceutical and healthcare industry to help bridge the gap between academic and corporate circles.

Some of the career options available after pursuing quality pharmacy education that Mesco Institute of Pharmacy envisages giving its pupils are-

- Sales and marketing roles in pharmaceutical and healthcare sector
- Research and development
- Production and manufacturing
- Quality control and quality assurance
- Clinical Pharmacy
- Regulatory affairs
- Intellectual property rights
- Pharmacovigilance and Drug Safety
- Forensic Pharmacy
- Medical writing

Ragging is Banned in Mesco Institute of Pharmacy

According to the ruling of the Hon'ble Supreme Court of India, "In case the applicant for the admission is found to have indulged in ragging in the past or if it is noticed later that he has indulged in ragging, Admission may be refused or he/she shall be expelled from the education institute."

Any student of Mesco Institute of Pharmacy found involved in ragging inside or outside the college/hostel will face disciplinary action including a financial fine as per the law and may also be expelled from the college with immediate effect without any notice.

About Amroha

Amroha is an old city located in western Uttar Pradesh, at a distance of 130km from Delhi and is a pleasant 2^{1/2}hour journey by road from Delhi and 30 minutes from Moradabad. The town's name was given by a holy saint of 11th century; Sharafuddin Shah Vilayat Sb. who had found in the city aam (mango) + rohu (fish) in abundance and hence named it as Amroha.

Our Other Institutions

Rashida Begum Muslim Mahavidyalaya, established in 2003, is an effort made by a few professionals belonging to Amroha. Initially started with a B.Ed. College, the same group has recently established Mesco Public School, Amroha.

The management has vast experience in running schools in Amroha and Delhi. The Management team consists of a group of professionally acclaimed, qualified and talented people from various fields of life who are related with educational movement among Muslims of India at national level.





MESCO INSTITUTE OF PHARMACY

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