

**WE ARE THE
LIFE OF FUTURE
PROUD TO BE
A PHARMACIST**



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Greater Noida Institute of Pharmaceutical Education & Research

Affiliating board: Board of Technical Education (BTE), Lucknow, U.P.
Approved by : Pharmacy Council of INDIA, Delhi

**VALUED
LIFELONG
LEARNING**



Courses offered

Diploma in Pharmacy & *Bachelor of Pharmacy

“Pharmacist, a superman who turn Bunch of dangerous chemicals Into a life saving drug.”

*B. Pharmacy (under process)



Reverence to our Founder Chairman



Late Shri Krishan Lal Gupta

Founder, Chairman
GNIOT Group of Institutions



FROM THE DESK OF CHAIRMAN

Dear students,

India boasts of being a young nation, and to tap the potential of our youth in the right manner is the need of the hour. Our sole aim is to establish Greater Noida Institute Of Pharmaceutical Education & Research (GNIPER) to produce globally accepted employable youth who can excel in pharmacy field. Our motto is "Transforming students into industry ready professionals" We have developed ourselves as the first preference for students seeking quality education.

Our GNIOT group of colleges always remains in the process of building success in academics, quality, placements, research, industry interface, international exposure and extra curriculum activities. It is remarkable that we have a strong industry- institute interface and developed many corporate affiliates across different verticals. We are strong believer of value based education and therefore strive to inculcate high degree of human values in our students as we are recognized as centre for human values.

"We thus warmly welcome applicants from different background to share our vision of excellence as an important member of GNIOT"

Dr. Rajesh Kumar Gupta
Chairman
GNIOT Group of Institutions

“
We, at GNIOT, are committed to deliver excellent curricular based education and have proven the same many times by producing university rank holders...
”



FROM THE DESK OF VICE-CHAIRMAN

Dear aspirants,

Professional education is the basic need of the society. I am delighted to state that GNIOT group of institutions is one of the premier institutes in providing quality education. Right from its inception, we aim to provide state of art infrastructure, futuristic facilities and technical education to our students for best learning, teaching, research, and innovation experience.

The Pharmacy programme at Greater Noida Institute of Pharmaceutical Education & Research (GNIPER), is committed to achieving excellence in pharmacy education and access the success and leadership of its program using the highest standards of quality, innovation and visibility. GNIOT is well equipped with modern labs, centre of excellence, state of art infrastructure along with highly qualified faculty members and trainers to cater all career related needs of its students. We at GNIOT believe in activity based learning and provide varied exposure to our students through expert talks, industrial visits, peer - training and workshops.

Our core values of knowledge, character, excellence, integrity, quality and student-centric learning are all closely integrated into our academic programs. The institute has a relaxed, friendly atmosphere, but with a constant buzz of excitement and enthusiasm.

"My best wishes to aspiring candidates and their parents"

Shri. Gaurav Gupta
Vice-Chairman
GNIOT Group of Institutions

“
We at GNIOT, believe in activity-based learning and provide varied exposure to our students through expert talks, industrial visits, peer training, technology-based workshops and hands on trainings and more...
”



FROM THE DESK OF PRINCIPAL'S

"An investment in knowledge pays the best interest"

I am elated and filled with immense pleasure to announce the establishment of the GNIPER , Institute of Pharmaceutical Education & Research, initially with the D.Pharm. and *B.Pharm. Programs. It was established under the direction of renowned organization GNIOT Group of Institutions, Knowledge Park II, Greater Noida.

On behalf of Greater Noida Institute Of Pharmaceutical Education & Research (GNIPER), I am delighted to welcome all the aspirants to our institute. Pharmaceutical science as a field is known to be highly competitive and demanding and is always on a outlook for professionals equipped with contemporary skills. GNIPER is located in an idyllic ambiance for academic activity has excellent infrastructure and an experienced well trained and dedicated team of faculty members.

We have a commitment to lifelong learning achievements of excellence in all we do and towards an improved quality of life for all those we serve. The institute is conscious to prepare the students for a life of leadership, service and personal fulfillment. Our main objective is to develop professionally committed, competent and dynamic diploma holders and pharmacy graduates for the country as per international standards with focus on pharmaceutical sciences.

I extend a warm invitation to all new entrants of pharmacy education to be a part of this endeavour for a bright and prosperous future as PHARMACIST.

Dr. Jyoti Gupta
Principal
Greater Noida Institute of
Pharmaceutical Education & Research

“
Pharmaceutical academics empowers researchers to ask the right questions and find solutions that make a difference in patients lives
”



About GNIPER (Greater Noida Institute of Pharmaceutical Education & Research)

Greater Noida Institute of Pharmaceutical Education & Research is a Institute of D.Pharm. and *B.Pharm. (Pharmacy studies) with lush green campus at Knowledge Park — II, Greater Noida. Our programme shape specialist Pharmacists well-equipped to pave a way towards progressive healthcare. It is our earnest effort in creating individuals who will fortify the healthcare system by working alongside healthcare practitioners.

The curricula are designed by the academics and industry practitioners, which nurtures and develops young minds into responsible Pharma Professionals who will contribute ethically to the future of Pharma Industry, Government, Hospitals, Community, Society and Health-care system at large. Programmes are delivered through extensive practical in laboratories in addition to the theoretical study.

Our College futuristic healthcare model is an ideal place for an aspiring pharmacist to gain experiential training from the most accomplished professors in the industry.

“OUR ROLE & PURPOSE IS AS A FUTURE-MAKER FOR OUR STATE, OUR NATION AND OUR WORLD”



Vision
Greater Noida Institute of Pharmaceutical Education & Research (GNIPER) aims to be premier institute to run the pharmaceutical science education programme leading to improve and fortify the life. Our endeavour is to blend the traditional methods with modern development to retain balance, futuristic vision and global standards.



Mission

- To deliver quality education that nurtures scientific approach for problem solving.
- To work hand-in-hand to protect, cure, mitigate and eradicate various ailments and thus deliver the community and world.
- To contribute by maintaining quality and excellence in education for making lives healthy.



P	Punctuality
H	Humanity
A	Acceptability
R	Reliability
M	Magician
A	Ability
C	Cordlality
I	Integrity
S	Sincerity
T	Tolerance

Courses Offered

DIPLOMA IN PHARMACY (No. of Seats: 60 Per Year)

Approved by: Pharmacy Council of India, Delhi

Affiliating board: Board of Technical Education (BTE), Lucknow, U.P.

Course Structure: This course is a 2 year programme based on yearly examination system, which includes theory and practicals. On successful completion of course student have to undergo 500 hours of practical spread over a period of not less than 3 months in a Government hospital or recognized institute approved for the purpose by PCI.

Eligibility Criteria: 10+2 with 50% in science stream (PCM/PCB) from a recognized education board. Aggregate 45 % required in case of (SC/ST /OBC) students.

Admission Process: Merit based / entrance exam.

Age Limit: Candidate should complete the age of 17 years as per PCI norms.

*BACHELOR OF PHARMACY (No. of Seats: 60 Per Year)

Course structure: The *B.Pharm. course has been specially designed by AKTU for those who are eager to acquire professional skill in the field of pharmaceutical education. This definitely provides employment and business opportunities anywhere across the globe. The course has been divided into eight semesters, which include theory and practicals besides project work, hospital and industrial exposure.

Eligibility criteria: 10+2 with 50% in science stream (PCM/PCB) from a recognized education board. Aggregate 45 % required in case of (SC/ST /OBC) students. For Lateral entry Diploma in Pharmacy with minimum 60% marks from any recognized university.

Admission process: Merit based / entrance exam.

Age limit: Candidate should complete the age of 17 years as per PCI norms

A pharmacist gives Life to medicines through his Knowledge & Skills

About Diploma in Pharmacy

Diploma in Pharmacy is a short range course for aspirants who want to start their career in the field of pharmacy. Instead of doing long term courses in pharmacy domain, D. Pharmacy course is the ideal choice for the student who wants a quick start in their pharmacy career. Pursuing D. Pharm. can be a good beginning to understand the fundamentals of Pharmacy programme and then if students wants can pursue advanced courses like B. Pharm., M.Pharm. & Pharm.D.

Diploma in Pharmacy covers fundamental Pharmacy education including the application of chemistry in the Pharma industry, theoretical & practical concepts of biochemistry, pharmacology and toxicology. The course enables the students to study about different chemical salts, their application and uses in medicine. The programme holds fine significance in the Pharmaceutical industry.

About *Bachelor of Pharmacy

The Pharmacy field offers with lots of career opportunities. If you wish to make your carrier in the field of pharmacy you can choose one of the several courses. Bachelor of Pharmacy (B. Pharm.) is an undergraduate degree course in the field of Pharmacy. The *B.Pharm. is one of the popular job oriented course among the science students after class 12th. In this course the students study about the drugs and medicines, Pharmaceutical Engineering, Medicinal Chemistry etc. This course provides a large no. of job opportunities in both the public and private sector.

Programme Objectives

To provide technical expertise along with the ability to demonstrate core competence for analyzing and problem solving in multiple pharmaceutical aspects.

To make awareness about the rapidly changing pharma industry profession along with the emerging areas of science and technology.

To inculcate the attitude, ability to observe, research and experiment to discover the solutions.

To train and develop students as techno managers, self-motivation, working teamwork, leadership and proactive to be successful in profession and organization.

Programme Delivery

Industry, Hospitals, Field and Laboratory Visits. Winter, Summer and Industry Internship. Guest Lectures, Seminars and Conferences by various national and international professional bodies viz. IPA, IPGA, APTI, FIP etc.

Case studies based on community and industrial pharmacy.

Awareness programs in Tuberculosis, Obesity, HIV — AIDS, Diabetes etc.

Active Learning pedagogy involves Problem Based Learning (PBL) and Project Based Learning approach for effective learning.



CURRICULUM

(AS PER PCI SYLLABUS AND GUIDELINES)

D. Pharm. Programme Structure

First Year | Subjects

Pharmaceutics - Theory
Pharmaceutics - Practical
Pharmaceutical Chemistry - Theory
Pharmaceutical Chemistry - Practical
Pharmacognosy - Theory
Pharmacognosy - Practical
Human Anatomy & Physiology - Theory
Human Anatomy & Physiology - Practical
Social Pharmacy - Theory
Social Pharmacy - Practical

Second Year | Subjects

Pharmacology - Theory
Pharmacology - Practical
Community Pharmacy & Management - Theory
Community Pharmacy & Management - Practical
Biochemistry & Clinical Pathology - Theory
Biochemistry & Clinical Pathology - Practical
Pharmacotherapeutics - Theory
Pharmacotherapeutics - Practical
Hospital & Clinical Pharmacy - Theory
Hospital & Clinical Pharmacy - Practical
Pharmacy Law & Ethics - Theory

*B. Pharm. Programme Structure

First Year | Semester I | Subjects

Human Anatomy and Physiology I — Theory
Pharmaceutical Analysis I — Theory
Pharmaceutics I — Theory
Pharmaceutical inorganic chemistry — Theory
Communication skills — Theory
Remedial Mathematics/ Remedial Biology/ — Theory
Human anatomy physiology - Practical
Pharmaceutical analysis I — Practical
Pharmaceutics I — Practical
Pharmaceutical Inorganic chemistry - Practical
Communication skills — Practical
Remedial Biology — Practical

First Year | Semester II | Subjects

Human Anatomy and Physiology II — theory
Pharmaceutical Organic Chemistry I — theory
Biochemistry — Theory
Pathophysiology — Theory
Computer Applications in Pharmacy — Theory
Environmental sciences — Theory
Human Anatomy and Physiology II — Practical
Pharmaceutical Organic Chemistry I — Practical
Biochemistry — Practical
Computer Applications in Pharmacy — Practical

Second Year | Semester III | Subjects

Pharmaceutical Organic Chemistry II — Theory
Physical Pharmaceutics I — Theory
Pharmaceutical Microbiology — Theory
Pharmaceutical Engineering — Theory
Pharmaceutical Organic Chemistry II — Practical
Physical Pharmaceutics I — Practical
Pharmaceutical Microbiology — Practical
Pharmaceutical Engineering — Practical

Second Year | Semester IV | Subjects

Pharmaceutical Organic Chemistry III — Theory
Medicinal Chemistry I — Theory
Physical Pharmaceutics II — Theory
Pharmacology I — Theory
Pharmacognosy and Phytochemistry I — Theory
Medicinal Chemistry I — Practical
Physical Pharmaceutics II — Practical
Pharmacology I — Practical
Pharmacognosy and Phytochemistry I — Practical

Third Year | Semester V | Subjects

Medicinal Chemistry II — Theory
Industrial Pharmacy I — Theory
Pharmacology II — Theory
Pharmacognosy and Phytochemistry II — Theory
Pharmaceutical Jurisprudence — Theory
Industrial Pharmacy I — Practical
Pharmacology II — Practical
Pharmacognosy and Phytochemistry II - Practical

Third Year | Semester VI | Subjects

Medicinal Chemistry III — Theory
Pharmacology III — Theory
Herbal Drug Technology — Theory
Biopharmaceutics and Pharmacokinetics — Theory
Pharmaceutical Biotechnology — Theory
Quality Assurance — Theory
Medicinal chemistry III — Practical
Pharmacology III — Practical
Herbal Drug Technology — Practical

Fourth Year | Semester VII | Subjects

Instrumental Methods of Analysis — Theory
Industrial Pharmacy II — Theory
Pharmacy Practice — Theory
Novel Drug Delivery System — Theory
Instrumental methods of analysis — Practical
Practice School

Fourth Year | Semester VIII | Subjects

Biostatistics and Research Methodology
Social and Preventive Pharmacy
Pharma Marketing Management
Pharmaceutical regulatory science
Pharmacovigilance
Quality Control and Standardization of Herbals
Computer Aided Drug Design
Cell and Molecular Biology
Cosmetic Science
Experimental Pharmacology
Advanced Instrumentation Techniques
Dietary Supplements and Nutraceutical
Project work



PHARMA@GNIPER

Pharmaceutical Laboratories

Pharmaceutics Laboratory

Training for preparation of dosage, Analysis of content of dosage forms.

Pharmaceutical Analysis Laboratory

Analysis of drug samples for assessing the percentage of purity.

Human anatomy and Physiology / Pharmacology Laboratory

To study human body anatomy along with physiology and effects of drugs.

Pharmaceutical Chemistry Laboratory

Practical and testing of chemical, Studying nature of chemical reactions Preparation of the compounds.

Pharmaceutical Laboratory

Practical analysis of medicinal plants, learn to identify the plant and their therapeutic value.

Machine Room

The machine room is well equipped with latest machines generally encountered in pharmaceutical industries.



Pharmacy a profession where knowledge, power & heart come together.

Campus

Greater Noida Institute of Pharmaceutical Education & Research (GNIPER) with lush green campus at Knowledge Park — II, Greater Noida. The campus is equipped with modern labs, classrooms, seminar hall, library, student centre for co-curricular activities, computer lab, academic and administrative blocks and other amenities for exclusive and widespread provision for indoor and outdoor games.

Classrooms

All the classrooms are spaciouly designed and are well furnished with necessary technical teaching aids like projector and power supply.

Seminar Hall

The institute possesses a Seminar hall with seating capacity of more than 200 people. The hall plays host to guest lectures, seminars and various presentations.

Library

The college library has equipped with huge collection of books including for particular topics or subjects as well as reference books, E-resources, journal, magazines & database.

Computer Facilities

GNIPER has developed computer lab with broad band connection. The lab is equipped with sufficient number of computers with latest configuration and software's.

Herbal Garden

The institute has established a herbal garden to study about medicinal plants and also to teach students about the evaluation and extraction of drugs obtained from medicinal plants.

Accommodation

The institute has accommodation for boys and girls with mess facilities.

Sports Facilities

A centrally located space to provide facilities for all indoor games. The campus has also been facilitated with a widespread outdoor area.

Cafeteria

The institute possesses a neat and clean cafeteria on which all types of food being served.

Museum

The institute possesses a museum exhibiting crude drugs, flora and fauna specimens, various types of dosage forms, surgical and charts.

Health Care

Adequate medical and first -aid facilities are available in the campus. Hospital in the proximity of the institute are Sharda and Kailash hospitals.

Common Room

The institute has common rooms for boys and girl with indoor games facilities and beds.

**VALUED
LIFELONG
LEARNING**

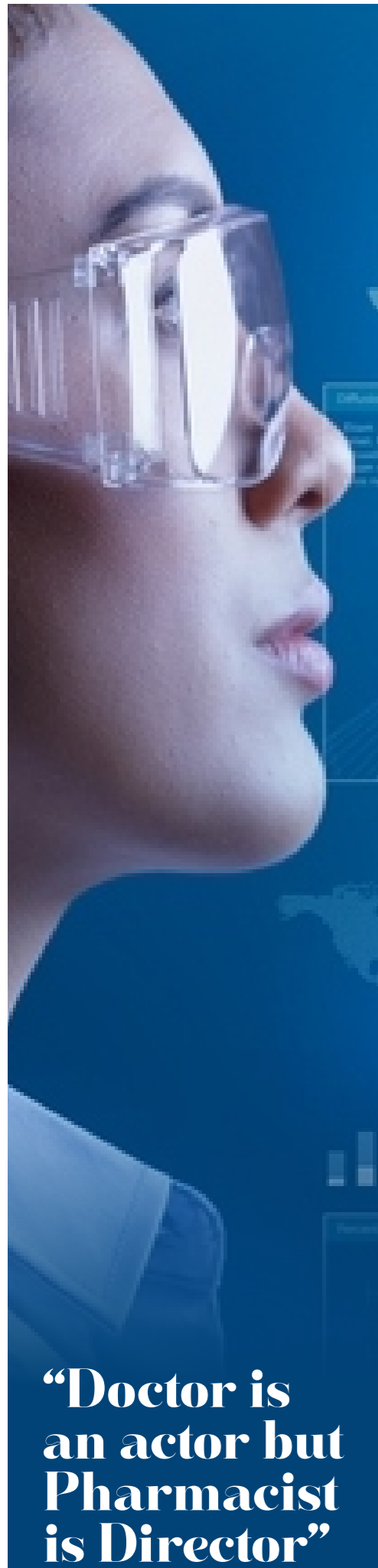


INDUSTRY EXPECTATIONS ACADEMIA EXPECTATIONS



Infrastructure





“Doctor is an actor but Pharmacist is Director”

Co-Curricular Activities

The GNIPER co-curriculum program is a set of activities and assignments meant to complement Pharmacy didactic & experimental components. Co-curricular activities fuel learning by stimulative creative thought, improving social and organizational skills, developing interests and talents. These activities offers chance to do something really enjoyable. Participation in, and successful completion of these activities and assignments help students to become well rounded and effective Pharmacy practitioner.

Activities Include

- Community and Hospital health awareness projects/ programme.
- Celebration of selected WHO days related to health and similar.
- Participation in Seminar/ workshops/Health camp / Blood donation etc.
- Industrial visits
- Quiz
- Essay writing competition
- Hospital training & hospital visits

Extra-Curricular Activities

• Extra-curricular activities don't just make institute more fun, they prepare student's for life. Result oriented education forms the crux of student's college life and a crucial tool to equip with knowledge but equally important are extra-curricular activities that inculcate real world skills in student and blossom their personalities.

Activities Include

- Sports Meet
- Community service
- Cookery
- Martial arts
- Art & craft
- Educational clubs
- Other hobbies like Yoga, Music and dance

I am not a doctor but serve human kind, to make sure that they are relieved from pain i'm a pharmacist”

Career in Pharmacy

Pharmacy is job oriented course and the students are trained in diverse aspects of Pharmaceutical industry. Best career options are available for pharmacy graduates since this course is allied to the medical and Pharmaceutical industry the employ-ability options for these Pharmacist and pharmacy graduates are vast and diverse.



Production & Marketing

Quality Control /
Quality Assurance

Forensic Pharmacy



Clinical Trials

Community Pharmacy

Academics & Research



Regulatory Affairs / IPR

Opportunity Abroad

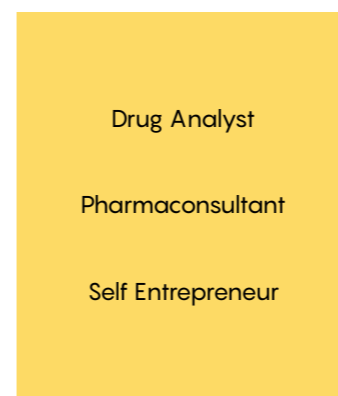
Government / Private
Hospital Pharmacy



Pharmacovigilance

Medical Writer & Coder

Drug Inspector



Drug Analyst

Pharmaconsultant

Self Entrepreneur



Marketing Representative

Food & Drug inspector

Career@Pharmacy



WHAT PHARMACIST DO

A prospective candidate in Pharmacy program studies all aspects of :

- How and why medicines work
- How medicines are developed, formulated and administrated.
- How drugs are used in the treatment of the disease
- How to promote safe and appropriate use of medicines

The profession of Pharmacy has experienced significant development over the past decades. The focus of attention is not on the medicine but on the user. Pharmacists can help people stay healthy, better manage their chronic conditions, and age in place. In many developed countries, community pharmacies are considered as one of the important players effecting medicines use owing to their unique placement in the healthcare system. Around the world, community pharmacists today are educated and trained to counsel patients in the correct use of the medicines and to promote good health.

There is no doubt that Pharmacy education in India has contributed significantly to National healthcare. Pharmacy education in India traditionally has been industry and product oriented. In contrast to the situation in developed nations, graduate Pharmacist prefer placements in pharmaceutical industry. Since the late 1980s, due to rapid industrialization in the pharmaceutical sector privatization, and economic growth, Pharmacy education has been developing faster in India than anywhere in the world. Pharmacy education in India is regulated by the Pharmacy Council of India (PCI). The PCI makes regulations regarding minimum standard of education required for qualification as a Pharmacist. It is responsible for registration persons fulfilling the prescribes eligibility criteria (minimum D.Pharm.) and issuing a licence permitting them to practice in an Indian state. Registration activity is decentralized and the State Pharmacy Council is responsible for registering in their respective states.

THE FUTURE OF THE PHARMACIST

In the history of mankind, social development has always been closely interlinked with healthcare achievements. Therefore Pharmacy education and practice has a significant impact on the health improvements of a nation. Pharmacists represent the third largest healthcare professional group in the world. Pharmacists work in the community, in hospitals, and in other medical facilities as members of the healthcare team and have special responsibilities for the safe use of medicines. In developed Nations, in addition to traditional dispensing, Pharmacists monitor the health and progress of patients in response to drug therapy and provide patient care that focuses on prevention of diseases and patient outcomes, and accordingly educational curriculum is designed. In India, like in many Asian countries, pharmacists are the most accessible healthcare professionals and also play an important role in the use of medicines. India has made rapid progress in Pharmacy education over the last two decades.

In the future, innovations in the discovery and development of newer drugs and dosage forms will be used and personalized pharmacotherapy will be propagated. The future Pharmacist has to be aware of these developments to advice the physician and the patient and to be a competent partner in the healthcare team. Simultaneously the drug regularity authorities in India and medical professionals have to recognize the contribution of the Pharmacist to the society. Only then will the Nobel pharmacy profession be able to reach the level of greatness it deserves.

VALUED LIFELONG LEARNING



ACADEMIA FINDS NEW WAYS TO PARTNER WITH PHARMA

For the past decade, academia and industry have become increasingly collaborative, finding ways to shed cautious attitudes and successfully advance programs together. Now, academia is taking a proactive, strategic approach that promises to further catalyze industry relationships and increase opportunities for commercialization and monetization of the most promising technologies. Collaboration between industry and academics promotes technological advancement and innovation. Industry collaborations are essential for developing research and a qualified workforce. The Pharmaceutical industry and academia collaboration benefit both parties the industry obtains skilled workers with practical training and specialized expertise, while universities have the chance to work on pertinent technologies and problems. India has the chance to have a youthful tech-savvy population ready to utilize its knowledge to tackle significant problems affecting crucial industries like healthcare and energy as digitization rises in the nation. These partnerships not only support the implementation of novel solutions but also give researchers new career opportunities and R&D companies the chance to hire more people. As businesses are driven to acquire highly trained labour, these relationships with industry frequently allow the investigation of career transitions between academic and industry employment. Typically, this takes the form of eminent scientists and skilled pharmacist. As we move into the next decade of new technologies, personalized medicine, the digitization of the economy and society through AI (Artificial intelligence) , and high-performance computing will bring about significant changes in healthcare. These will necessitate solutions that India can deploy sustainably. In order to invent and commercialize these solutions, industry-academia collaborations with an enabling government framework will be essential. The pandemic has demonstrated the effectiveness of industry-research partnership.

Opportunities for pharmacists to contribute to public and population health abound



Primary care

pharmacists can supplement or extend primary care services in chronic condition management, prevention and wellness, diagnosing and treating minor acute illnesses, supporting mental health, and aging in place.



Specialty care

As therapies become more complex, pharmacists' pharmacotherapy expertise will be in even greater demand in specialty areas, such as oncology, cell and gene, and rare diseases.



Digital care

Pharmacists could provide access to point-in-care diagnostics, prescribe digital therapeutics, and help customers identify digital health tools for their needs. They might even help with setup and configuration of medical devices and health apps, as well as interpreting the data from these tools.



Population health analytics

Besides clinical activities, pharmacists can move into analytical roles to identify health improvement opportunities, develop algorithms for clinical decision support and population health analytics, and design programs that improve population health.

Life@GNIOT



#GreenCampus

