
Information Brochure
M.Pharm Program
(Specialization in Novel Drug Delivery Systems/Regulatory
Affairs/Pharmacology & Toxicology)

M.Pharm program in Forensic Pharmacy is specially designed by Gujarat Forensic Sciences University to prepare human resource with multi dimensional expertise who can serve in core forensic environment as well as in various departments of Pharmaceutical Industries and Pharmaceutical sector at large. Specializations offered by university under Forensic Pharmacy program are (1) NDDS, (2) Regulatory Affairs and (3) Pharmacology & Toxicology. Our alumni from this program are currently working in research or regulatory divisions of pharmaceutical multinational companies like Sun Pharma, Pfizer, Amneal, Zydus Cadila etc. Our pass out students also gets opportunity to pursue doctoral research in many foreign universities. Our students also get opportunity to work in Forensic Labs (through government recruitment) as scientist because drug abuse, drug duplication etc contributes in a major number of drug related crimes. Apart from regular academics, our students gets opportunity to participate in real investigation cases being undertaken at the university related to product failure, reverse engineering and government funded research projects.

1. Novel Drug Delivery Systems

The students of this specialization get benefits from a highly multidisciplinary research with experimental knowledge in subjects relevant to advanced pharmaceuticals, biopharmaceuticals, novel packaging component, design and engineering of nano-medicine for different routes of administration, risk characterization and preclinical assessments of nano-pharmaceuticals. Day by day, newer diseases provide a new challenge to mankind to find medicine which

can target the disease area in body. Drug delivery design plays vital role in launch of new therapy in the market. India is transiting to R&D based pharma industries and hence drug delivery experts are always in demand.

Important subjects:

- Characterization techniques for nanostructures
- Targeting Nanocarrier for drug delivery
- Advanced therapy and biosimilars
- Intellectual Property Rights
- Federal Regulations of Drug
- Forensic Science

2. Regulatory Affairs and Management

This specialization provides students the knowledge and skills required to fulfil vital roles in assuring adherence with the complex drug regulations necessary for the development, delivery and marketing of safe and effective health care products. The course work includes drug regulations of leading drug markets of the world and the principal strategies of product management in regulated markets. The students may find positions in RA departments of pharmaccompanies, clinical trials and legal cell of pharmaceutical companies, vigilance and post marketing cells of government and private organizations, executive post in auditing of QA/Qc departments, scientific officers positions in government and non government food and drug safety agencies, regulatory and patent consulting companies.

Important subjects:

- Drug registration in USA, India and RoW
- preclinical and clinical regulations
- Intellectual Property Rights
- Federal Regulations of Drugs
- Forensic Science

3. Pharmacology & Toxicology

This specialization provides a unique environment of learning pharmacology dealing with both pre-clinical and clinical aspects of the subjects. It involves the study of forensic pharmacology which deals with various legal aspects where the study of pharmacology can be applied to various legal issues such as negligence in prescribing and administering drug including adverse drug reaction. The candidate with the specialization finds the jobs in pharmaceutical industries (R&D and clinical trial departments), pharmacovigilance programme of government agency, hospital and bio chemistry.

Important subjects:

- Drug discovery & advance pharmacological technique
- Systemic Pharmacology and Toxicology
- Regulatory control and clinical research
- Intellectual Property Rights
- Federal Regulations of Drugs
- Forensic Science

Admission 2020

Intake: 15 seats

Duration: 2 years (4 Semesters)

Fees Structure: Semester Tuition fee: Rs.60,000/- per semester + Other University fees

Eligibility for Admission:

B.Pharm degree with minimum 55% marks or equivalent. (50% for SC/ST/OBC/EWS Gujarat State only).

How to Apply: Candidate has to fill Online Application forms, available on our website www.gfsu.edu.in and hardcopy of form should be submitted to the “**The Registrar, Gujarat Forensic Sciences University Sector-9, Nr. Police Bhavan, Gandhinagar, Gujarat-382007**” Applicant should write his/her complete name, Course applied for and Application no. on the top of the cover.

Admission Procedure:

Admissions will be based on the merit list obtained in the Entrance Test conducted by the Gujarat Forensic Sciences University, Gandhinagar or aggregate score obtained in all semesters of bachelor degree. The Entrance test will be of 100 marks with one and half hour's duration based on multiple choice questions on B.Pharm. level Pharmacy syllabus and general knowledge.

Further Contact Details:

For more details please visit: website www.gfsu.edu.in

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