

INFORMATION BROCHURE

NIPER JOINT ENTRANCE EXAMINATION

NIPER JEE 2024

PhD
PROGRAMMES



Organized by
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**We
Are 7**



सत्यमेव जयते
Department of Pharmaceuticals
Ministry of Chemicals & Fertilizers
Government of India

Disclaimer: NIPER JEE 2024

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(Ahmedabad; Guwahati; Hajipur; Hyderabad; Kolkata; Raebareli; S.A.S. Nagar)

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PART 1: NATIONAL INSTITUTE OF PHARMACEUTICAL EDUCATION AND RESEARCH (NIPERS)

The Government of India, through an Act of Parliament, established NIPERs as “**Institute of National Importance**” and Centre of Excellence for imparting higher education, research, and development in Pharmaceutical Sciences, Medical Devices, and Management. The following are the NIPERs along with their official websites that function independently at different geographical locations in the country (in alphabetical order).

S.No.	Name of the NIPER	Official Website
1	NIPER Ahmedabad	https://niperahm.ac.in/
2	NIPER Guwahati	https://niperguwahati.ac.in/
3	NIPER Hajipur	https://www.niperhajipur.ac.in/
4	NIPER Hyderabad	http://www.niperhyd.ac.in/
5	NIPER Kolkata	https://www.niperkolkata.edu.in/
6	NIPER Raebareli	https://niperraebareli.edu.in/
7	NIPER S.A.S. Nagar	https://niper.gov.in/

The main objectives of NIPERs are to:

- Nurture and promote quality and excellence in Pharmaceutical Education and Research.
- Offer Master and Doctoral programmes in the area of pharmaceutical and allied sciences.
- Develop a multi-disciplinary approach in carrying out research and training to generate human resources as per the current needs of pharmaceutical/allied industries.
- Act as a nucleus for interaction between academics and industry by undertaking sponsored, funded research and consultancy projects.

1.1 NIPER Ahmedabad



NIPER-Ahmedabad was established with the visionary augmentation of the Department of Pharmaceuticals, Ministry of Chemicals and Fertilizers, Government of India in the year 2007. National Institutional Ranking Framework (NIRF) by Ministry of Education (MoE) 2023 has ranked NIPER-Ahmedabad at 13th position amongst the Pharma Institutes in India. The Institute has also been identified for establishing Centre of Excellence (CoE) in Medical Devices in the country.

NIPER Ahmedabad at Gandhinagar has a lush green campus with a state-of-the-art research facility, including an animal house, boys hostel, girls hostel and a canteen. NIPER-A has an outstanding track record of producing excellent pharmacists, researchers, and academicians to serve the country. Presently, NIPER-A offers Master's and PhD programmes in following streams viz. Biotechnology, Natural Products, Pharmaceuticals, Pharmaceutical Analysis, Medicinal Chemistry, Pharmacology & Toxicology, Medical Devices and Pharmaceutical Management. Faculties of NIPER-Ahmedabad have received numerous competitive research grants/projects from various government, non-government and international funding agencies. NIPER-Ahmedabad collaborates in R&D sectors with prestigious industries like Zydus Life science, Sahajanand Life Sciences Ltd., Nestle, Novartis India, Novugen Pharma, Oncogen Pharma, VerGo Pharma Research Lab, Intas Pharmaceuticals Ltd. and Johnson & Johnson India etc and have established linkages with them in the form of faculty visit and joint research projects. NIPER-A team has a remarkable publication track record of publishing in high impact journals and filing patents. NIPER-A faculty has been recognized in top 2 % scientist of the world as per Elsevier in the category of pharmacology and pharmacy based on publication.

NIPER-A students get numerous opportunities of professional development by taking courses that are designed to enhance knowledge in pharmaceutical and biomedical sciences. Numerous students of NIPER-Ahmedabad have been honoured and awarded with various national and international awards. Our students were selected by DST to join the 67th and 68th Lindau Nobel Laureate meeting at Germany, Raman–Charpak Fellowship, Newton Bhabha fellowship, Nestle Powder challenge award etc. Institute has established research collaborations with world's best educational institutes like, Harvard Medical School, USA, Miller School of Medicine, USA, University of Washington, USA, University of Galway, Ireland, University of Mississippi, USA, University of Newcastle, Australia, Wayne State University, USA, Rutgers University, USA, INSERM, France, Aarhus University, Denmark and International Islamic University, Malaysia. NIPER-A has also signed MoUs with numerous renowned Indian academic institutes and pharma companies including IIT-Gandhinagar, IIPH-Gandhinagar, AIIMS Bhopal and Zydus Lifesciences Ltd.

NIPER-A with the support of DBT has established a central bio-incubator facility that facilitates young pharmaceutical companies and young entrepreneurs to access research laboratories, technology platforms, specific services in management and even networking opportunities. NIPER-A has come forward to support Pharma and Medical Device sectors through a collaborative service mode to MSMEs and SMEs. Institute had signed MOUs with Gujarat state implementation agency (SIA) under GIDC for upcoming bulk drug and medical devices park.

The aim of NIPER-Ahmedabad is to establish a next-generation campus equipped with state of art GLP and GMP compliant laboratories, large animal and transgenic facility for pre-clinical research, and clinical research centre to cater emerging educational and research needs of the state and country in the defined areas of cancer, diabetes, and neurological disorders. The Institute envisage to establish drug and medical devices testing facilities that will ensure providing support to the small and medium pharma industries and generate revenue for the institute. NIPER-Ahmedabad lays its commitment in building human resource for promoting research and development in the country and contribute towards '**Make in India**' and "**Atmanirbhar Bharat**" initiatives as a part of its national responsibility.

Further information about NIPER Ahmedabad can be accessed through the institute's official website. (<https://www.niperahm.ac.in/>).

1.2 NIPER GUWAHATI



National Institutional Ranking Framework (NIRF) by Ministry of Education (MoE) 2023 has ranked NIPER Guwahati at 12th position amongst the Pharma Institutes in India. NIPER-Guwahati is the fifth Institute to be included in the list of the premier institutes under the Department of Pharmaceuticals, Ministry of Chemicals and Fertilizers, Government of India. NIPER-Guwahati started functioning in September 2008 under the mentorship of Gauhati Medical College and Hospital. NIPER Guwahati is currently located in its permanent campus at Changsari (District-Kamrup, North Guwahati, Assam) with eight important departments viz, Pharmacology and Toxicology, Biotechnology, Pharmacy Practice, Pharmaceutics, Pharmaceutical Analysis, Medicinal Chemistry, Pharmaceutical Technology (Formulations), and Medical Devices. The Institute offers Master's and Doctoral courses for the Academic year 2024-25.

NIPER Guwahati vision is to be an institution of excellence in promoting high standard pharmaceutical education & research through the dissemination of knowledge for the ultimate benefit of society and pharmaceutical industries. NIPER Guwahati focuses on research efforts starting from the drug discovery to drug delivery based on the cutting-edge translational pharmaceutical research along with the medicinal value of local plants/herbs of the Northeast Region against various diseases. This institute has 10 premiere National Centres namely, (i) "GMP accredited Pilot Scale Extraction facilities for development of Herbal or Phytopharmaceutical products from the Medicinal Plants of NE India" (funded by Dept. of Biotechnology, Govt. of India); (ii) "Quality Assessment & Value Addition Centre for herbal industry in the North Eastern States of India"

(funded by Ministry of Commerce, Govt. of India); (iii) *National Centre for Pharmacoengineering* (sponsored by DST, Govt. of India.); (iv) *BIRAC-BioNEST Incubation Centre* (supported by BIRAC-DBT, Govt. of India), (v) *Centre of Excellence in Tribal Health* (sponsored by Ministry of Tribal Affairs, Govt. of India); (vi) *Advanced Computer-aided Design Centre* (funded by MeITY, Govt. of India);(vii) *Establishment of Animal Breeding and GLP Accredited Biological Screening and Toxicology Centre* (Funded by STINER Program, the Ministry of Development of North-eastern Region (DoNER), Govt. of India), (viii) *Adverse Drug Reaction Monitoring Centre* (supported by Ministry of Health and Family Welfare, Govt. of India); (ix) *Atal Incubation Centre* (supported by Atal Innovation Mission, NITI Ayog, Govt. of India), and (x) *Centre of Excellence on Phyto-pharmaceuticals and Herbal Products* (supported by the DoP under PRIP Scheme). This is the first NIPER to receive such National centres/CoEs awarded by different Ministries.

SUPER COMPUTER PARAM EMBRYO @ NIPER-G: Students of NIPER-G have a unique opportunity and exposure to PARAM EMBRYO supercomputing HPC infrastructure housed in the Advanced Centre for Computer-Aided Drug Design (ACAD) at NIPER-G. It contains peak performance of 312 Teraflops for CPU and 1500 Teraflops of GPU computing power. Additionally, NIPER-G offers training in drug design, machine learning, database, web server development, and other pharmaceutical applications of AI (predictions of drug toxicity and drug and material properties). ACAD regularly organizes conferences, workshops, and training sessions to keep skills up-to-date and relevant to developments in research and job markets.

In NIPER Guwahati, more than 95% of the students are placed in various key Pharma Industries and rest opted for higher studies in premier Educational Institutions in India and abroad. The Institute organized many conference/seminars/workshops, multiple outreach programs including Skill Development Programmes, and Science Societal Responsibility Workshops, etc., organized more than 100 lectures by Eminent National & International Speakers, entered more than 50 MoUs with premier Institutes/Industries. In the last five academic years, i.e. from 2019-24, NIPER Guwahati had several significant achievements and the highlights are as follows: (a) Induction of young and dynamic faculty, (b) Established state of the art highly sophisticated analytical facilities with advanced instruments, (c) published more than 500 publications, (d) granted 07 Indian Patents, filed 12 Patents, & 2 copyrights, (e) Guidance of Master Students projects by National and International faculties,

(f) International Travel Awards, National Awards/Recognitions received by our Ph.D. & Master Students, (g) Secured more than 50 numbers of Government-sponsored Extramural Research Projects from DBT, DST, SERB, BIRAC, NMHS, ICMR, DRDO, etc., worth more than Rs. 40 crores.

NIPER Guwahati provides separate hostel facilities for girls and boys. The hostels are well furnished, secured with state of the art facilities like NKN along with dual ISP 24x7 high speed internet facility, gymnasiums, cafeterias, etc., NIPER Guwahati also encourages students to participate in Intra- and Inter-NIPER sports and other extracurricular activities to build confidence among them and make robust networking with other NIPERs students. It has its own permanent campus (after S.A.S. Nagar, Mohali) at Changsari, Kamrup (R), Guwahati, which is strategically located between AIIMS Guwahati and IIT Guwahati campus and students will have an unique opportunity to work in both medical and technological institutes in a collaborative mode. Newly admitted students will get an opportunity to initiate their quality education, advanced research career at the new campus with excellent hostel facilities & amenities, library facility, computer facility, central animal house facility, cell-culture facility, small-scale/pilot-scale industrial workshop facility, incubation facility, modernized digital classroom facility, etc., in a green, clean & plastic-free campus. NIPER Guwahati is striving relentlessly to become an institution of excellence & eminence in promoting global standard Pharmaceutical Education & Research through the dissemination of knowledge for the ultimate benefit of the society and pharmaceutical industries.

Further information about NIPER Guwahati can be accessed through the institute's official website. (<https://www.niperguwahati.ac.in>).

1.3 NIPER HAJIPUR



About NIPER Hajipur

NIPER Hajipur was established in November 2007 under the aegis of the Department of Pharmaceuticals, Ministry of Chemicals and Fertilizers, Govt. of India and is governed by parliament act "NIPER Act 1998". NIPER-Hajipur is dedicated to excel in pharmaceutical education and its allied research. It is located in Hajipur Industrial Zone of Vaishali District in Bihar, land of Lord Buddha, 20 km away from Patna (International Airport), the capital of Bihar state, India.

Vision: The vision of NIPER Hajipur is to creative approaches and excellence in pharmaceutical education and research, and service from local to global communities.

Objectives:

1. To develop professional skills in pharmaceutical education and research through transformational education and innovative research, and effective outreach and service.
2. To render life-long learners with skilled industry oriented-training to serve the community as leaders in health care science, education, and research.

Degrees and departments:

From the year 2007, the institute is offering postgraduate (MS/M. Pharm) and Doctoral (PhD) degree. Currently, the institute offers M. Pharm/PhD

programs in Pharmacy Practice and M.S (Pharm)/PhD programs in Pharmacology and Toxicology, Pharmaceutical Analysis, and Pharmaceutics. The institute also provides Postdoctoral Research Fellowships to deserving candidate. Institute has established multiple academic and research collaboration with various national institutes, and premier institute in the field of clinical and translational research e.g. ICMR-RMRIMS, Mahavir Cancer Sansthan, USP-India, S.S Hospital & Research Centre, Patna and IGIMS, Patna.

Broad Area of Research:

- Developing pharmacological, genetic, and stem cell-based interventions to reverse mood and cognitive deficits in aging, Alzheimer's disease, and diabetes- or chemotherapy- induced brain disorders.
- Identifying simple, inexpensive, and easy-to-use bio markers for the detection, prognosis, and therapeutic evaluation of neurological diseases, cancer, and diabetes.
- Drug delivery and development against various disease models – Cancer, neurodegenerative diseases, leishmaniasis, infectious diseases etc.
- LC-HRMS guided proteomics/metabolomics, post translational modification and genotoxic impurity control.
- Standardization of phytopharmaceuticals and nutraceuticals.
- Heavy metal analysis including speciation analysis in biological, food and pharmaceutical products.
- Clinical efficacy and safety studies in collaboration with clinical institutions.
- Production and purification of different biologicals (Therapeutic enzymes, Monoclonal antibodies)
- Advanced cell culture techniques – Organoids, spheroids, and organ-on-a-chip models
- Pharmaceutical product development for complex drugs and dosage forms
- Biopharmaceutics and Pharmacokinetics modeling and simulations.
- Nano enabled drug delivery systems.

Facilities

Central Instrumentation Facility (CIF): The institute has central instrumentation facility (CIF) with high-end instruments including UPHLC/Nano-LC-Q-orbitrap MS, FACS Sorter, FT-IR (ATR/KBr Disc), GC-MS/MS, LC-ICP MS, Biochemical analyzer, HPLC-PDA/RI/FD/ELSD, Semi-HPLC-PDA/CAD, DSC, DLS, NIR, UV-Visible / Spectrofluorimeter etc.. The CIF serves as facility support for scholars/researchers of Institute. The CIF also provide facility assistance/support to various researchers from academic, Industry, start-up, MSME, National laboratory based on institution prescribed charges.

Modern Animal House: NIPER Hajipur's state-of-the-art animal facility is designed to ensure animal well-being by providing controlled environmental conditions and research accuracy. The facility boasts of dedicated quarantine areas, imaging equipment and a variety of mazes for behavioral studies, surgical suites for both recovery and non-recovery procedures, individually ventilated cages (IVCs) to house immune compromised rodents and those used in infectious disease research. A dedicated veterinarian is monitoring the animal well-being and ensuring their health.

Centre of Excellence for Biological Therapeutics: Modern medicine has seen a paradigm shift toward modern biological drugs, resulting in greater efficiency when compared to their counterparts. Over the past two decades, the view on the utility of monoclonal antibodies (mAbs) has evolved from valuable scientific reagent tools for exciting and powerful therapeutics. More than hundreds of mAb-based therapies are now approved for human use in the United States and Europe, with nearly half of these therapeutics targeting cancer-specific targets. Therefore, NIPER Hajipur is in the process of establishing a Centre of Excellence for Biological Therapeutics to provide a network to build and strengthen the bridge between academia and industry, which will accelerate the discovery and development of new biotherapeutics and related processes to restore or improve the health of individuals.

Specific research objectives of the Centre of Excellence for Biological Therapeutics are:

Production and purification of monoclonal antibody and antibody drug conjugates to increase the accessibility and affordability of biopharma drugs in Indian population.

Monoclonal antibody and small molecule cocktail product development to improve safety and efficacy.

Production and purification of enzyme with therapeutic utility.

Laboratory for advanced cell culture facilities (3D cell cultures; Organoids and Organ-on-a chip): Improved in vitro disease models viz., human mini-tissues derived from pluripotent stem cells (PSCs) including embryonic stem cells (ESCs) and induced PSCs (iPSCs) and progenitor cells (organoid), 3D-bioprinted human tissue constructs using cells derived from patients and multilayer cells in microfluidic chips(organ-on-chip) are utilized to rapidly advance therapeutic drug candidates into a preclinical evaluation or to prioritize potential environmental toxins. With the approval of the FDA Modernization Act 2.0, the pharmaceutical industry is poised to expand its research components with a plethora of alternative models, including organ-on- microfluidic chips in pharma and biotechnology, Considering the importance, NIPER Hajipur has already installed advanced cell culture facilities at its premises and is working on certain aspects of 3D cell culture and organ-on-a- chip approaches.

Placement record: The “*Training and Placement Cell (TPC)*” is catering the needs of student’s/research scholars in-terms of right career/placement, required knowledge, skill, and aptitude to meet the requirements of the industry/recruiters. The TPC is functioning with well-defined objectives and policies on recruitment, internship and training. The percentage (%) placements for the past three years 2020-21, 2021-22 and 2022-23 were 72%, 84% and 88%, respectively. The average and median package for 2022-23 was 5.0 Lacs/annum. Our alumni are widely placed different pharma sectors/companies including Bharath Biotech, Sun Pharma, Natco, Aurobindo, Microlab, Intoxaragen subsidy, Intas pharmaceuticals-A, Hetero, Reckitt Benckiser, Suven Life Sciences, Torrent pharma, First data bank, BioQuest, IQVIA, Cognizent, etc. Notably, many of our alumni are continuing their research/higher education in various prestigious institutes including IISc Bangalore, IITs, NITs, NISER, Bose Institute, CSIR-IICB, NIPERs, PGIMER, CSIR-IICT, AIIMS, CSIR-CCMB, etc. and many scholars are pursuing/pursued PhD with fellowship in USA and Europe.

Institute Credentials

NIPER Hajipur is ranked at 44th Place in NIRF 2023.

Since inception, 564 post graduate and 21 PhD degrees have been awarded. Research output of 335 publications, 21MoUs and 12 patents has been recorded.

A total of 7 extra-mural research grants have been sanctioned to our faculty by various funding bodies including, ICMR, DST-SERB, DST (Rare disease), DNDi, etc.

Our Central Instrumentation Facility (CIF) has collaboration with clinicians for bio analysis (ICPMS, LCHRMS).

5 Best research presentations/awards have been bagged by NIPER-Hajipur scholars at National level.

Separate Hostels for Boys and Girls, PhD scholars, Campus Medical facility has been created and further expansion of infrastructure is under process.

Further information about NIPER Hajipur can be accessed through the institute's official website (<https://www.niperhajipur.ac.in/>).

1.4 NIPER Hyderabad



NIPER Hyderabad is one of the leading "Institutes of National Importance" in the area of Pharmaceutical Education & Research. NIPER Hyderabad has secured 1st rank under Pharmacy Category in NIRF India rankings 2023 by MoE, Government of India. The Institute has been functioning with a vision to serve as a leading global institution in the field of Higher Education and Research in Pharmaceutical Sciences, Medical Devices and Management. Its mission is to be one of the principal sources of professional manpower in the field and strengthen the Indian Pharmaceutical industry to obtain quality products at affordable prices. Hyderabad, the capital of Telangana State and also the has emerged as the "Bulk Drug Capital of India" and "Vaccine Capital of the World." Hence, undoubtedly NIPER Hyderabad has a considerable prime location advantage. Telangana State has nearly 200 Bulk Drug & Intermediate Manufacturers, 400 Formulation Units, Genome Valley and Medical Device Park, most of which are clustered around Hyderabad, spread in a radius of 60 km. It includes manufacturing unit's/business enterprises spread all over Hyderabad, Ranga Reddy, Medak and Nalgonda districts of Telangana. About 35% of US-FDA-approved facilities in India are situated in the State of Telangana. The Pharmaceutical industry in Telangana provides employment directly to more than 1,00,000 people and indirectly to more than 5,00,000 people in India.

NIPER Hyderabad stands unparalleled in both Education and Research in the field of Pharmaceutical Sciences, Medical Devices, & Management. The institute is well equipped with the state-of-the-art facilities for carrying out advanced research in the areas of pharmaceutical importance. Our Central Instrumentation Laboratory is well equipped with sophisticated instruments like NMR, LC-MS, GC-MS, ICP-MS, HPLC, Preparative HPLC, UPLC, FT-IR, FE-SEM, Spray dryer, Ultracentrifuge, Particle size and Zeta analyzer, Hot Stage

Microscope, DSC, TGA, Powder XRD, Rheometer, Confocal Laser Scanning Microscope and many more.

A well-established Animal House, Cell Culture Laboratory in addition to two BSL-2 facilities are available in NIPER Hyderabad, for carrying out advanced research in cancer nanobiology, novel drug screening, and vaccine characterization. The campus also has a Central Library, Computer Laboratories, and a Pharma Innovation and Incubation Centre (Avishkaran-BioNEST). NIPER Hyderabad has published more than 1200 research publications in peer-reviewed international/national journals, in the core research areas of Drug Discovery, Computer-Aided Drug Designing, Novel Process Development for Bulk Drugs, Nanotechnologies in Drug Delivery, Drug Metabolism, and Pharmacokinetic Studies, etc. 30 patents have been filed by the institute, out of which 8 have already been granted. "Many of our faculty members have considerable experience and expertise in carrying out translational projects from concept to commercial products" Institute has also received more than 71 research projects from several government funding agencies like DST, DBT, Ayush, ICMR in addition to international funding from University of Manchester-UKIERI, Hebrew University of Jerusalem-Israel, etc to carry out research in different areas of Pharmaceutical Sciences.

NIPER Hyderabad has received large number of industry sponsored projects, providing technological solutions towards R&D challenges. NIPER Hyderabad Faculties have received several prestigious awards, such as the Angelika Bierhaus award from NEURODIAB, IDMA Young Pharmaceutical Analyst Award, OPPI award, Young Scientist award from Telangana Academy of Sciences, 'FICCI Award of Excellence - Women in R&D, Dr. K. N. Sharma oration award, ICMR-Shakuntala Amir Chand Award etc. Four faculty members have been listed among top 2% World Scientist rankings in the field of Pharmaceutical Sciences. The Institute has established many research collaborations with reputed national and international institutes and universities. We have also entered into MoUs with leading institutes like IIT-BHU, Varanasi, National Institute for Micro, Small and Medium Enterprises (NI-MSME), Hyderabad, and National Research Institute of Unani Medicine for Skin Disorders (NRIUMSD), Hyderabad and Research and Innovation Circle of Hyderabad (RICH), Hyderabad.

NIPER Hyderabad organizes several conferences, symposiums, trainings, webinars, workshops, FDPs, EDPs every year. Students are always encouraged to participate in various co-curricular and extra-curricular activities, including

events both on and off campus that will enrich their learning experience. NIPER Hyderabad also boasts of having an excellent placement record. Our students are placed in several leading and prestigious pharmaceutical companies all over India. The major ones include Novartis, Dr. Reddy's Laboratory, Johnson & Johnson, Eli Lilly, Roche Pharma, Ferring, Syngene, Cognizant, Evalueserve, Cipla, Sun Pharma, Credo Life Sciences, Macleods Pharmaceuticals, Sai Life Sciences, GVK Bio, Freyr Solutions, WNS, Vivo Biotech, IQVIA and several others. Every year 90-100% of the students get placed through campus placements. Many of the students also pursue higher studies in various national and international institutes and universities of repute.

The students of NIPER Hyderabad are provided accommodation at NIPER hostel (located at IDPL Township), around 2 Km away from NIPER campus situated in Balanagar, Hyderabad. Boys and Girls students are accommodated in two different hostels. Students live in pleasant surroundings of intellectually stimulating environment. The NIPER Hyderabad campus and hostels are Wi-Fi enabled and have various facilities like gymnasium, cafeteria, and other recreational options. Round the clock security for NIPER hostels and NIPER campus is provided and is monitored by the NIPER Hyderabad administration. (**NOTE:** Due to limited available hostel accommodation, only the non-local students from post graduate courses will be given preference. Hostel accommodation is not available to PhD students.)

NIPER Hyderabad has consistently produced excellent results and placements and its alumni can be found in distinguished organizations in India and overseas. In brief, we believe in "Think Big, Act Bold, Start Simple, and Perform to the Best...". If these goals align with yours, you are welcome to NIPER Hyderabad, and we will help you realize your dreams!

Further information about NIPER Hyderabad can be accessed through the official website of the institute (<http://www.niperhyd.ac.in/>).

1.5 NIPER KOLKATA



About NIPER Kolkata

National Institutional Ranking Framework (NIRF) by Ministry of Education (MoE) 2023 has ranked NIPER Kolkata at 32nd position amongst the Pharmacy Institutes in India. NIPER-Kolkata was established in 2007 and holds a unique position amongst other NIPERs on two counts: being located in the scientifically thriving city of Kolkata and housed in Maniktala, Kolkata. NIPER-Kolkata is in the vicinity of a number of national laboratories, institutes, and universities. Their interaction is fostered at many levels. Ever since its inception, the Institute has been fostering and nurturing leaders as pharmacists, researchers/scholars, academicians, and industry personnel who are capable of making a difference in the pharmaceutical, academic/industrial sectors. NIPER-Kolkata, in pursuit of its mission, has introduced a course curriculum on 'Rare Diseases' leading for the first time in the global context at the Master's level.

NIPER-Kolkata is committed to making a lasting impact in national and international science based on the enduring principles of integrity, excellence, accountability, and transparency. The Institute has a vibrant atmosphere of growth and progress, which motivates both student and faculty to give their very best for the growth of the Institute. The Institute is touching new horizons with the contributions from every student and faculty member.

Objectives:

- To provide the highest quality education in the areas of Pharmaceutical Sciences

- To produce leaders in the field and provide opportunities for training of future teachers and research scientists for the industry and the profession.
- To promote innovative and translational research in new and emerging areas in Pharmaceutical Sciences.
- To establish collaborations with National and International Research Centres.
- To create specialized centres to cater the needs of pharmaceuticals industries of our country and other research and teaching institutes.
- To provide scientific footing to traditional medicines and rare diseases.
- To inculcate entrepreneurship by providing industry-institute interaction

Currently the institute is offering Postgraduate and Doctoral (PhD) programs in eight departments, namely, Medicinal Chemistry, Natural Products, Pharmacoinformatics, Pharmacology & Toxicology, Pharmaceutics, Medical Devices, Biotechnology and Pharmaceutical Analysis.

The Postdoctoral Research Fellowships are also available to deserving candidates. The institute is having academic & research collaboration with various tertiary care facilities/national institutes for pharmaceutical, clinical and translational research activities

Institute Research Segments

NIPER Kolata is conducting research to advance research in specific areas of pharmaceutical sciences leading to translational research. The institution has also identified few common research areas for collaboration with other NIPERs. They are as follows.

Department of Pharmaceutics

- Nanoparticulate drug delivery systems for oral, topical, ocular drug delivery.
- Stimuli responsive drug delivery systems
- Polymeric amorphous dispersion
- 3D printing and 3D bio-printing
- Biomaterials development
- Crystal engineering

- Solubility and bioavailability improvement
- Formulation development of off - patent drugs

Department of Pharmacology and Toxicology

- Diabetes-associated neurological complications
- Non-alcoholic liver disease (NAFLD)
- Non-alcoholic stereo hepatitis (NASH)
- Irritable bowel disease (IBD)
- RNA intervention therapeutics
- Exosome mediated delivery
- Gut microbiota and CNS complications
- Mitochondrial bioenergetics in diabetic neuropathy
- Ant-dengue drug screening

Department of Natural Products

- Development of bioassays for screening plant extracts and isolated compounds
- Omics-based analysis (transcriptome, proteome, metabolome)
- Development of Phytopharmaceuticals
- Drug Metabolism and Pharmacokinetic
- Fingerprinting and standardization of marker compounds in medicinal plants
- Method development and Validation (Analytical & Bioanalytical)

Department of Pharmacoinformatics

- Machine learning based model development.
- Cheminformatics analysis.
- Molecular Docking study for understanding protein- ligand interaction
- Virtual Screening of chemical compounds from small molecule chemical databases (e.g., ChEMBL, Enamine...) against macromolecular targets of therapeutic importance.
- Identification of novel targets using reverse docking.
- Hit and Lead optimization for Drug Discovery Process.

- QSAR and Pharmacophore modelling.
- Molecular Dynamics Simulation
- Quantum chemical DFT studies of organic reactions.
- QM/MM calculation for macromolecular complexes

Department of Medicinal Chemistry and Pharmaceutical Analysis

- Process Development
- Centre for Marine Therapeutics: Affordable process for marine based FDA approved API molecules
- Centre for Nucleic acid therapeutics and rare diseases
- Target based drug discovery
- Catalysis

Medical Devices

- Fabrication and characterization of Scaffolds via 3D printing, electrospinning, CNC machining and lyophilization, for various application
- Bioinspired hydrogels for accelerated wound healing
- Surface modification of implantable devices
- Piezoelectric devices for faster bone healing
- Nanomaterials for in vitro diagnostics & live cell imaging
- Drug eluting devices

Instrumentation Facility

The institute is equipped with major instrumentation facility like NMR, LC-MS, Animal Imaging, confocal microscopy, flow reactor, ultracentrifuge, Spray dryer, Real time PCR, DSC, SEM, TGA, Zetasizer, Rheometer etc. It has its own animal house and cell culture facilities.

Center for Marine Therapeutics

The institute has established Centre for Marine Therapeutics in collaboration with other research institutions viz., CSIR-CDRI, Lucknow; JNCASR, Bangalore; IISER- Kolkata; NIPER-Guwahati; CSIR-IIIM, Jammu; CSIR-NIO, Goa to accelerate targeted drug discovery based on marine bioresources and to address the major challenges in the treatment of drug resistant cancer, bacteria and viruses with a funding support of Rs. 30 Cr from the Department

of Science & Technology, New Delhi and Department of Pharmaceuticals, New Delhi.

Centre of Excellence on Flow Chemistry and Continuous Manufacturing

NIPER Kolkata is in the process to establish "state-of-art" facility for flow chemistry and continuous manufacturing for the development of quality API and pharmaceutical formulations.

Flow chemistry facility will address the continuous flow synthesis of small molecules with improved yield, quality and better impurity profile using highly controlled pressure/exothermic reactions, biocatalysis/chemoenzymatic reactions, photocatalyzed reactions and heterogeneous reactions. Whereas, Continuous manufacturing facility will address the establishment of continuous manufacturing lines for manufacturing of oral solid dosage forms and semi solid formulations and create highly skilled manpower to cater the needs of pharmaceutical industry.

Achievements

- NIPER Kolkata is ranked 32nd place in NIRF 2023 and the Institute is continuously striving to improve its perception in India ranking.
- Since inception, **632** post graduate degree and 13 PhD degree has been awarded.
- Research output of 497 publications, 35 MoUs and 11 patents are filed and 2 patents are granted.
- Total of 16 funded extra-mural research grants have been sanctioned to our faculty by various funding bodies including, ICMR, DST-SERB, DST, DBT etc.
- Our scholars have received Best research presentations/awards at various National/International level conferences/symposiums.

Note: Institute will charge miscellaneous fees for making transportation arrangements from Hostel to Institute.

Further information about NIPER-Kolkata can be accessed through the official website of the institute (<https://www.niperkolkata.edu.in/>).

1.6 NIPER RAEBARELI



National Institute of Pharmaceutical Education and Research (NIPER) Raebareli is a national-level institute focused on pharmaceutical sciences. Its goal is to become a center of excellence for advanced studies and research in the field. The Government of India has declared NIPER-Raebareli an "Institute of National Importance." In the Ministry of Education's (MoE) 2023 National Institutional Ranking Framework (NIRF), NIPER Raebareli was ranked 14th among pharmaceutical institutes in India.

NIPER-Raebareli is an autonomous body which has been established in 2008 under the aegis of the Department of Pharmaceuticals, Ministry of Chemicals and Fertilizers, Government of India, to provide leadership in Pharmaceutical Sciences and other related interdisciplinary research areas. Since July 2018, NIPER-Raebareli has been functioning independently from the new transit campus at Bijnor-Sisendi Road, Lucknow. The transit campus of NIPER-R is spread over 5 acres of land, having academic and administrative blocks, separate hostel blocks for boys and girls, and a cafeteria.

Academic Courses

NIPER-Raebareli offers an M.S. (Pharm) program with the following specialisations: Medicinal Chemistry, Pharmaceutical Analysis, Pharmaceutics, Regulatory Affairs, Pharmacology and Toxicology, Regulatory Toxicology, and Biotechnology. It also offers Ph.D. programs in four disciplines: Medicinal Chemistry, Pharmaceutics, Pharmacology and toxicology, and Biotechnology.

Thrust Research Area

NIPER-Raebareli is actively working towards addressing the therapeutic requirements of the country, with a special focus on the locally prevalent

diseases. Tuberculosis (TB) is one of the most fatal diseases in the country that requires urgent attention, as most of the current drugs used for TB treatment are facing resistance issues. As per the mandate, NIPER-R has initiated research programs aimed towards designing, synthesizing, and developing new antitubercular agents. The research programs are also focused on developing treatments for neurodegenerative diseases like Alzheimer's disease. The Department of Pharmaceutics is actively engaged in creating nano formulations for BCS class II & IV drugs and peptides. The primary objective of developing these nanoformulations is to target the brain through nano emulsions, drug nanofibers, polymeric drug nanoparticles, pharmaceutical nanocrystals/cocrystals, mesoporous silica nanoparticles, etc. The Department of Pharmacology & Toxicology's primary research focus is to understand the mechanistic pathways associated with neurodegenerative disorders such as Alzheimer's disease. The research programs also study the mechanisms that drive the neurological consequences of arsenic, copper, and pesticide exposure. The core research area of Department of Biotechnology is focused on the identification and development of naturally derived metabolites and bioactive peptides for the treatment of diabetes and cancer etc. The department is also focused on the development of novel RNA based therapeutics interventions, understanding protein misfolding and aggregations, and development of polymer nanodrugs and antibodies targeting tumor/cancers. Nearly 287 research/review papers, including book and book chapters (Elsevier/Springer/Bentham Publishers) have been published in the last 2 years in peer-reviewed journals of international/national repute like *Cell*, *Journal of American Chemical Society*, *Drug Discovery Today*, *Organic Chemistry Frontiers*, *International Journal of Biological Macromolecules*, *Journal of Drug Targeting*, *ACS Catalysis*, *Frontiers in Pharmacology*, *European Journal of Medicinal Chemistry*, *Environment Research*, *International Journal of Pharmaceutics*, *Molecular Pharmaceutics*, *Colloids and Surfaces A*, *Journal of Physical Chemistry B*, *Medical Virology*, *Neoplasia*, *ACS Nano*, *ACS Chemical Neuroscience*, *non-coding RNA* etc. are the testimony of our recent research achievements. Various extramural projects and industry-sponsored projects are underway. So far, 29 patents have been filed by the institute since its inception.

Academic Activities

Since NIPER-Raebareli is currently functioning from the transit campus in Lucknow, several research and medical institutes of international repute are

located in its vicinity. To foster academic and research activities that benefit students, several MOUs with prestigious institutes have been signed.

- IIT-Kanpur
 - IIT-Roorkee
 - CSIR-CDRI, Lucknow
 - Novartis Healthcare Pvt.Ltd
 - IIIT-Lucknow
 - CSIR-IITR-Lucknow
 - CSIR-CIMAP-Lucknow
 - Lucknow University
 - AIIMS-Raebareli
 - CBMR, Lucknow
 - BBAU, Lucknow
 - Almelo Pharma, Hyderabad
- **Conference/Symposium/Workshops/Training Programmes:** To provide wide exposure to our students, NIPER Raebareli organizes several National/International conferences, symposiums, workshops, and training programs on regular basis.
 - **Campus Placement:** NIPER-Raebareli has a dedicated Training and Placement cell that is actively involved in providing our students with the best training and employment opportunities. In the academic year of 2022-23, the students of NIPER-R were recruited by several leading pharmaceutical companies such as Springer, BresMed, Dabur, Piramal Healthcare, Oxygen Healthcare Almelo Pharma, Jubilant Chemsys, Orthoheal, APCER Life Science and NECTAR Lifesciences. The prime campus recruiters of NIPER-R are several prominent pharmaceutical companies such as Novo Nordisk, NEC Life, Lupin, Curadev Pharma, INTAS, Piramal, and many other reputed pharmaceutical companies. Additionally, few students have also been selected in Ph. D. programs abroad in reputed universities such as University of Houston, University of Virginia etc.

Research Facilities: Major Instruments (Indicative List)

• 500 MHz NMR	• FT-IR
• Digital Plethysmometer	• Atomic Force Microscope
• Opto-Varimax -4 Digital Stereotaxic Sociability Apparatus	• T maze and Elevated Plus maze
• Multi-mode Reader Microplate/ELISA Reader	• Rodent Anesthesia System
• DSC	• Tablet coating machine
• Malvern Master Sizer (Hydro 2000)	• Freeze Dryers
• Eight station jacketed Franz Diffusion Cell Apparatus	• In Vitro cell culture facility
• Animal House Facility (CPCSEA Approved)	• 3D bioprinter
• Scanning Electron Microscope	• Confocal Microscope
• qPCR	• Biochemistry Analyzer
	• Passive/Active Avoidance Test Apparatus

Further information about NIPER Raebareli can be accessed through the institute's official website (<http://niperraebareli.edu.in/>).

1.7 NIPER S.A.S. Nagar



National Institutional Ranking Framework (NIRF) by Ministry of Education (MoE) 2023 has ranked NIPER S.A.S. Nagar at 6th position amongst the Pharma Institutes in India. The Indian pharmaceutical industry is a global leader in generic drugs. In order to acquire leadership position in drug discovery and development and to continue to excel in the formulations and Biological Sciences, the Government of India recognized that the human resources/talent pool is very critical. Thus, the Government of India set up the "National Institute of Pharmaceutical Education and Research (NIPER) at S.A.S. Nagar Mohali" in 1991 as a registered society under the Society Registered Act, 1860. Subsequently, the Institute was given statutory recognition by an Act of Parliament (NIPER Act, 1998), and NIPER has been declared an "Institute of National Importance."

NIPER, S.A.S. Nagar, an autonomous body set up under the aegis of the Department of Pharmaceuticals, Ministry of Chemicals and Fertilizers, Government of India, is the first national-level Institute in pharmaceutical sciences with a proclaimed objective of becoming a centre of excellence for advanced studies and research in pharmaceutical sciences. NIPER-SAS Nagar has secured 1st rank in India, 7th in Asia and 44th globally according to QS World University Rankings 2022 in the Pharmacy and Pharmacology subject category. NIPER has also been ranked 4th in MoE, National Institute Ranking Framework (NIRF) -2022 in the pharmacy category. NIPER S.A.S. Nagar is a member of the Association of Indian Universities. Since its inception, 3395 Master's, 744 MBA, and 404 Ph.D. students have graduated from NIPER S.A.S. Nagar. The institute is involved in cutting-edge research in various nationally recognized disease areas, very well documented and exemplified by the

publication of 2984 research papers and filing of 237 patents, out of which 131 have been granted and five trademarks.

The aim of NIPER-SAS Nagar includes:

1. Teaching activities: M.S. (Pharm.), M. Tech. (Pharm.), MBA (Pharm.) & Ph.D. courses are being offered.
2. Research and Development activities: Sponsored research projects/ consultancy / project handling/upscaling.
3. Support to industry: The Institute supports the industry through its service centres viz. Library & Information Centre, Central Instrumentation Laboratory, National Toxicology Centre, Small & Medium Pharmaceutical Industry Centre, Technical Development Centre, National Bioavailability Centre, Centre of Infectious Diseases, CPIE, etc.

NIPER-SAS Nagar provides highly trained technical manpower at both postgraduate and doctorate levels to the domestic and international pharmaceutical sectors. The merit of the students (Master's and Ph.D.) of the Institute has been recognized with many awards and distinctions. The Institute has also been awarded with Thomson Reuters Innovation Award 2011 (Govt. sector). NIPER-SAS Nagar has also licensed out some technologies developed at different centres/departments of the institute for the pharmaceutical sector.

Further information about NIPER-SAS Nagar can be accessed through the institute's official website (<http://www.niper.nic.in>).

PART 2 : Ph.D. PROGRAMMES

The NIPERs, in the upcoming academic year, offer various academic programs for doctoral studies in different specializations. The following is the list of Ph.D. Programmes offered by various NIPERs for the academic year 2024-25.

2.1 Eligibility for Ph.D. Programmes Offered by NIPERs

The NIPER's Ph.D. programmes are classified into the following four disciplines:

2.1.1 Ph.D. Programmes in Chemical Sciences
Course
<p>Medicinal Chemistry</p> <p>Eligibility: M.S.(Pharm.) (Medicinal Chemistry/ Natural Products); M.Pharm. (Pharmaceutical Chemistry); M.Tech. (Pharm.) (Bulk Drugs/Process Chemistry); M.Sc. (Organic Chemistry)</p>
<p>Natural Products</p> <p>Eligibility: M.S.(Pharm.) (Natural Products/ Medicinal Chemistry/Traditional Medicines); M.Pharm. (Pharmaceutical Chemistry/ Pharmacognosy); M.Tech. (Pharm.) (Bulk Drugs/Process Chemistry); M.Sc. (Organic Chemistry); Pharm.D</p>
<p>Pharmaco-informatics</p> <p>Eligibility: M.S. (Pharm.) (Pharmacoinformatics/ Medicinal Chemistry/Natural Products); M.Tech. (Pharm.) (Bulk Drugs/Process Chemistry); M.Tech. (Bioinformatics); M.Sc. (Organic/Physical/ Pharmaceutical Chemistry/ Biochemistry/ Biophysics/ Biotechnology/ Bioinformatics/ Microbiology)</p>
2.1.2 Ph.D. Programmes in Biological Sciences
Course
<p>Pharmacology & Toxicology</p> <p>Eligibility: M.S.(Pharm.)/ M.Pharm./ M.Tech.(Pharm.) (Medicinal Chemistry/ Pharmaceutical Chemistry, Natural Products/Pharmacology and Toxicology/ Regulatory Toxicology/ Formulation/Biotechnology/ Pharmaceutics/ Pharmaco-informatics); M.E./ M.Tech./ M.Sc. (Pharmacology/ Biotechnology/ Nanotechnology/ Computational Sciences/ Biochemistry/ Toxicology/Zoology/ Physiology/ Life Sciences/Microbiology/Organic-Chemistry/ Pharmaceutical Chemistry); M.D.(Pharmacology), M.V.Sc. (Pharmacology/ Pathology/ Biotechnology); Pharm.D</p>
<p>Biotechnology</p> <p>Eligibility: M.S. (Pharm.) /M.Pharm./ M.Tech. (Pharm.) (Medicinal Chemistry/ Pharmaceutical Chemistry/ Natural Products/ Pharmacology and Toxicology/ Formulation / Biotechnology/ Pharmaceutics/Pharmaco-informatics); M.E./M.Tech./ M.Sc.(Biotechnology/Life Sciences / Computational Sciences; Biochemistry/ Botany/ Zoology/ Physiology/ Life Sciences/ Organic Chemistry/ Pharmaceutical Chemistry); M.V.Sc.</p>

Pharmacy Practice

Eligibility: M. Pharm. (Pharmacy Practice/Community Pharmacy/ Hospital Pharmacy/ Clinical Pharmacy); Pharm.D

2.1.3 Ph.D. Programmes in Pharmaceutical Sciences

Course

Pharmaceutical Analysis

Eligibility: M.S.(Pharm.) (Pharmaceutical Analysis); M.Pharm. (Pharmaceutical Analysis or equivalent); M.Sc. (Organic/Analytical Chemistry)

Pharmaceutics

Eligibility: M.S.(Pharm.) (Pharmaceutics/ Biotechnology/Pharmacology); M.Pharm. (Pharmaceutics/Formulations); M.Tech. (Pharm.) (Biotechnology); M.Tech. (Biomedical Engineering/ Biotechnology/Chemical Engineering)

Pharmaceutical Technology (Formulations)

Eligibility: M.S.(Pharm.) (Pharmaceutics/ Biotechnology/ Pharmaceutical Analysis); M.Pharm.(Pharmaceutics/ Formulations); M.Tech.(Pharm.) (Biotechnology)

Medical Devices

Eligibility: M.B.B.S/ MD/BDS / MDS /M.V.Sc. /M.Tech (Medical devices/Biotechnology / Biomedical /Biophysics / Electronics / Instrumentation /Mechanical / Biochemical / Health Sciences or allied subjects) / M.S (Chemistry/ Mathematics & Computing/ Physics/Programming/Data Science/Medical devices) or MSc in Chemical Sciences / Life Sciences/Material Sciences /Physical Sciences / Biotechnology / Biomedical /Medical Devices /Biophysics / Electronics /Instrumentation/ Mechanical / Biochemical / Health Sciences or allied subjects as applicable in GATE/NET and Pharm.D.

2.1.4 Ph.D. Programme in Pharmaceutical Management

Course

Pharmaceutical Management

Eligibility: M.B.A. (Pharm.) or equivalent

Note:

Candidates applying for admission to a Ph.D. in Pharmaceutics may also apply for the Ph.D. admission to Pharmaceutical Technology (Formulation) and vice versa. The candidates who opt for both departments will be placed in the respective merit list based on the marks scored in the common exam under

Pharmaceutical Sciences of NIPER JEE 2024. However, the candidates must fulfil the eligibility criteria of the respective department as per the NIPER ordinance. No separate application fees need to be paid for opting for admission to both subjects.

2.2 Seat Distribution for Ph.D. Programmes

a) The seats available in various NIPERs/departments/disciplines for the Institute funded are displayed in the Table below:

SEAT MATRIX OF Ph.D. PROGRAMMES at NIPERs

S.No.	Programmes	Course / Discipline	Ahmedabad	Guwahati	Hajipur	Hyderabad	Kolkata	Raebareli	S.A.S. Nagar	Total
Biological Sciences										
1	Ph.D.	Pharmacology & Toxicology	0	03	03	0	0	01	01	08
2		Biotechnology	03	02	03	0	0	09	04	21
3		Pharmacy Practice	0	0	0	0	0	0	03	03
Pharmaceutical Sciences										
4	Ph.D.	Pharmaceutical Analysis	0	03	0	0	02	0	0	05
5		Pharmaceutics	0	04	03	0	01	02	0	10
6		Pharmaceutical Technology (Formulations)	0	03	0	0	0	0	0	03
7		Medical Devices	0	02	0	0	04	0	0	06
Chemical Sciences										
8	Ph.D.	Medicinal Chemistry	0	05	0	0	02	02	02	11
9		Natural Products	01	0	0	0	0	0	0	01
10		Pharmacoinformatics	0	0	0	0	01	0	02	03
Pharmaceutical Management										
11	Ph.D.	Pharmaceutical Management	0	0	0	0	0	0	02	02
TOTAL			04	22	09	0	10	14	14	73

Above figures include the 10% of EWS category seats against the respective disciplines.

In addition to the seat matrix of the respective NIPERs, a few supernumerary seats are available for the other candidates as per details given below:

- a) 5% of the seats over and above are reserved for candidates sponsored by the Government Departments/ Research and Development Organizations/ Public Sector Undertakings/ Reputed Private Pharmaceutical Enterprises.
- b) 5% of the seats over and above are reserved for Foreign Nationals / OCI/ PIO categories.
- c) 3% of the seats over and above are reserved for PwBD category.
- d) Seats are available for Self-Financing Foreign Nationals and Foreign Nationals under various scholarship schemes of the Ministry of Education/Ministry of External Affairs, Government of India. These seats are over and above the available seats mentioned above. Such candidates have to arrange for a Clearance Certificate from the Ministry of External Affairs, Govt. of India, before they can be admitted, if selected.
- e) Seats may be available under EMR projects sanctioned by the various funding agencies and such a list will be displayed at the time of counselling.
- f) Candidates having their own fellowship from DST, DBT, ICMR etc., are exempted from the NIPER JEE exam and those candidates may contact the respective NIPERs and forward their application to NIPER JEE 2024 for the formal registration.

Note: *The displayed seats against each department at respective NIPERs are tentative and may change at the time of counselling. The exact details of the seats will be displayed at the time of counselling.*

2.3 General Eligibility requirements for NIPER JEE 2024

The candidate should have qualified degree with a minimum of 60% marks in aggregate or CGPA of 6.75 on a 10 point scale wherever grades are awarded or equivalent as determined by Board of Studies and Research of NIPER (Percentage of marks or CGPA so calculated will be based on the norms fixed by the concerned University / Institution or aggregate marks or CGPA scored

by the candidate for all years of the qualifying degree, in case the University /Institution has not prescribed any norm for calculating such percentage or CGPA). Qualification of GPAT/GATE/NET is an essential qualification except for the following categories of candidates:

- Candidates holding M.D., M.V.Sc, MDS, Pharm.D.
- Foreign Nationals
- Sponsored candidate from Government Departments, Research and Development Organizations, Public Sector Undertakings/Reputed Pharmaceutical Enterprises

Note:

1. Candidates who have qualified GPAT/GATE/any National Fellowship and the validity of the same is expired, are also eligible to apply for Ph.D. programmes (Qualified document need to be uploaded as proof).
2. Candidates who are appearing for GPAT/GATE/any National Fellowship in the year 2024 are provisionally allowed to submit the application. However, qualified documents need to be submitted by the time of physical counselling.
3. In case of failure to submit the qualification certificate of the above at the time of counselling, such candidates are **NOT** allowed for further counselling process.

2.3.1 For students 'awaiting' final year results

1. The JCC (Joint counselling committee) of JEE 2024 recommended giving provisional admission to candidates appearing for final year exam. Such candidates are supposed to submit the required documents as specified above within the stipulated time provided by the respective NIPERs after the provisional admission.

In case of failure to submit the final degree certificates with specified percentages / credits as mentioned above within the stipulated period, the institute reserves the right to cancel his/her provisional admission.

2. Students must upload semester-wise mark sheets in a single PDF file until the last semester/ session of the qualifying exam.
3. An undertaking on Rs. 100/- stamp paper (Annexure 6) needs to be uploaded along with the marks sheets.

2.3.2 Relaxations in Eligibility Criteria

- a) Relaxation in CGPA to 6.25 (on a 10-point scale) or in marks to 55% or equivalent in the eligibility criteria is allowed for SC and ST candidates.
- b) Persons with Benchmark Disabilities (PwBD) candidates are permitted relaxation in the eligibility requirement of CGPA to 5.75 (on a 10-point scale) or to 50% marks or equivalent. No other relaxation beyond this will be allowed, even if they belong to the SC/ST category.
- c) GPAT/GATE/NET/ any other National Fellowship is relaxed for the following categories of candidates: Candidates holding B.V.Sc./M.B.B.S./B.A.M.S./B.D.S. degree/ Foreign Nationals.

2.4 Reservation

- Provisions for reservation shall be made as per the rules of the Govt. of India in force.
- Scheduled Caste (SC) and Scheduled Tribe (ST) candidates should upload the original caste certificate signed by the Tehsildar/Distt. Magistrate, when filling out the online application form.
- Reservation for Economically Weaker Sections (EWS): The benefit of reservation will be given only to those General category candidates who satisfy the conditions given in the OM No. 20013/01/2018-BC-II dated January 17, 2019, issued by the Ministry of Social Justice and Empowerment. (As per the format enclosed in **Annexure 2**)
- The criteria for EWS will be as per the prevailing norms and/or notifications of the Government of India.
- Other Backward Caste (OBC) candidates should upload the original valid caste certificate and certificate of income (showing the non-creamy status of the candidate as per OM no. 36033/3/2004-Estt. (Res) dated 9th March, 2004 of the Department of Personnel and Training, Ministry of Personnel, Public Grievances and Pension or any subsequent order issued by the Government of India in this regard) signed by Tehsildar/Distt. Magistrate. Candidates applying under this category should note that only a recent income certificate (not more than one year old) shall be valid. Also, the OBC caste certificate produced by the candidate should be valid for admission to Central Government Institutions. OBC certificate showing validity only for a particular state shall not be acceptable. Also,

the caste certificate issued before March 2004 should be duly updated with an endorsement by an authorized officer not below the rank of a Tehsildar. (As per the format enclosed in **Annexure 3**)

- Persons with Benchmark Disabilities (PwBD) candidates should furnish a medical certificate indicating a minimum of 40% of physical defect or deformity duly signed by a 'Medical Board' and countersigned by the Chief Medical and Health Officer of a Government Hospital. (As per the format enclosed in **Annexure 5**)
- **Candidates applying for admission under any reserved category shall specifically claim admission under such reserved category and upload relevant certificates supporting such claim when filling out the online application form.**

Note:

1. The required formats of the respective categories are attached as Annexures at the end of this brochure.
2. In case any candidate fails to submit valid caste certificates at the time of submission of online application, the candidate needs to submit an undertaking as per the **Annexure 4**. Such candidates need to submit a valid certificate at the time of physical counselling.
3. Failing to submit the same their candidature will be considered under General Category only and the candidate needs to pay the balance of the application fee.

2.5 Sponsored Candidates

- **Candidates must be sponsored by Government departments/research and development organizations/ public sector undertakings/ reputed private pharmaceutical enterprises as per norms.**
- Reputed Private Pharmaceutical Enterprises shall mean "Industry/ Government sponsored, a Trust, a Private Limited Company and a Partnership/ LLP Company".
- A self- employed person/small-scale entrepreneur with a drug manufacturing license and 3 years' experience of running a pharma unit (income tax returns for 3 years should be provided for their consideration under this eligibility).

- The industry sponsoring a candidate should have an annual turnover of Rs. 100 crores (for Private Limited Company); 10 crores (for Partnership/Limited Liability Partnership Company); 2 crores (for self-employed), respectively. Besides the above, candidate should be one whose provident fund is deducted by the employer.
- Candidate must submit a Sponsorship certificate from sponsoring organization in the form of an undertaking that the sponsored employee shall be treated on duty and paid his or her usual salary and allowances for the period of studies/research at either of the NIPERs. Such employees shall be fully relieved by the employer for studies/research. Certificate shall be provided in the form as provided at **Annexure-1**.
- **The candidate should have completed two years of service on the day of application/online registration in a pharmaceutical/biological/allied organization. A salary statement for the last two years shall be required.**
- Candidates seeking admission based on study leave must show proof that he/she will be/has been granted leave for the study period in the Institute.
- Where an employer wishes to withdraw the sponsorship, such employer shall be required to give genuine reasons for the withdrawal. The student will then be allowed to put forth his or her side of the issue. Where the Dean and Director are satisfied that the student has violated any terms and conditions of the agreement with the employer, such person shall cease to be a student of the Institute. Where a student has not violated any terms and conditions of the agreement with his employer, he or she shall be allowed to complete his or her studies. No fees shall be refunded in any situation.
- No placement assistance shall be provided to the candidates sponsored by public/private sector undertakings, government departments, or research and development organizations.
- Selected candidates shall be admitted to the programme based on merit in the entrance exam, after he/she deposits fee for first semesters at the time of his/her admission as per details provided under "Fees and Payments" head (Section 4.2 of the brochure).
- **Candidates should get minimum qualifying mark as per the cutoff decided by the JCC of NIPER JEE 2024.**
- **No financial assistance will be provided to the sponsored candidates.**

2.6 Admission of Foreign Nationals / Overseas Citizen of India (OCI)/ Person of Indian Origin (PIO)

Definitions:

- **Foreign Nationals:** Candidates who are NOT citizens of India (by birth or naturalized) are considered as **FOREIGN NATIONALS**.
- **Overseas Citizen of India (OCI)/ Person of Indian Origin (PIO):** (a) As notified by the Government of India. (b)) Overseas Citizens of India / Persons of Indian Origin (OCI/PIO) candidates who have secured OCI/PIO card on or after 04.03.2021
- As per the decision dated February 03, 2023, passed by the Hon'ble Supreme Court of India in Writ Petition (Civil) 891 / 2021, the OCI/PIO candidates who have secured OCI/PIO card before 04.03.2021 shall be considered as **INDIAN NATIONALS**.

Identity Proof:

Identity proof of the candidate is required in the form of Citizenship Certificate/ Foreign Passport and/or OCI/PIO Card, where applicable.

Eligibility:

- The admission of Foreign Nationals shall be based on satisfying the prescribed academic qualifications. Only those students who have qualified from "Foreign Universities" or "Boards of Higher Education recognized as equivalent by the Association of Indian Universities (AIU)" are eligible for admission. When required, a reference will be made to the AIU to check equivalence. If the University or Board or programme is not included in the equivalence list, the candidate must obtain an equivalence certificate to this effect from the AIU (www.aiu.ac.in) by paying the requisite fee. Submission of an equivalence certificate from the AIU is mandatory for Foreign Nationals/ Overseas Citizens of India (OCI)/Persons of Indian Origin (PIO) who have qualifying degrees from a foreign University.
- Foreign Nationals having qualifying degree from Indian Universities may also apply.
- On the recommendation of the Ministry of Education/ Ministry of External Affairs, Government of India, eligible Foreign Nationals/ Overseas Citizens of India (OCI)/ Persons of Indian Origin (PIO) under various scholarship schemes shall also be considered for admission.

Exemptions from NIPER JEE 2024:

- Candidates who possess citizenship of a country other than India and hold a valid passport shall be eligible to apply under the Foreign student category. They are exempted from taking NIPER JEE entrance test.
- OCI/PIO card holders who have secured OCI/PIO card before 04.03.2021, are required to qualify NIPER JEE in the Open and Open-PwBD rank lists.

Admission Process:

- The application for admission shall be made on the Study in India Portal (<https://studyinindia.gov.in>), and the offer letter will be provided after qualifying the minimum criteria of the Institute after verifying the educational qualifications and screening of received applications.
- The merit of the Foreign National/OCI/PIO Category will be drawn based on the percentage of marks/CGPA in all (examinations equivalent to Indian Class X, XII, bachelor's degree, master's degree) qualifying exam.
- All Foreign students must qualify the interview in English language by the respective NIPERs for securing admission. However, marks of the interview shall not be included in preparing the merit list for admission.

Seat Allocation Policy:

- Seats for Foreign Nationals/ Overseas Citizens of India (OCI)/ Persons of Indian Origin (PIO) shall be over and above the notified seats for Indian students.
- The unfilled seats under Foreign National and OCI/PIO categories shall not be filled with Indian students.
- At the time of seat allocation, the OCI/PIO candidates who have secured OCI/PIO card before 04.03.2021 shall be considered for the seats in the OPEN category. These OCI/PIO candidates shall be included in the Common Rank List, and/or CRL-PwBD list, subject to qualifying the NIPER JEE. These OCI/PIO candidates are NOT entitled to the benefit of reservation under the EWS, OBC (NCL), SC or ST categories for the allocation of seats.

VISA and FRRO Registration

- All applications of Foreign Nationals/ Overseas Citizens of India (OCI)/ Persons of Indian Origin (PIO) must follow the rules of VISA/FRRO mandatorily.

Fee Structure at NIPERs

Semester	Fee (USD)
Payable at the time of Admission	3250
Payable for Subsequent Semester	2075

- The above fee does not include Mess Charges.
- Any other fee, charges, or dues at the same rate as payable by the Indian students of the same academic category and level, will be payable in USD by Foreign National/OCI/PIO Category candidates.
- Financial assistance will **NOT** be provided by the NIPER to the selected Foreign Nationals/ Overseas Citizens of India (OCI)/ Persons of Indian Origin (PIO) except OCI/PIO card holders who have secured OCI/PIO card before 04.03.2021 (INDIAN NATIONAL as per Hon'ble Supreme Court of India in Writ Petition (Civil) 891 / 2021) and who will qualify NIPER JEE in the Open and Open-PwBD rank lists.

PART 3: NIPER JEE 2024 EXAMINATION**3.1 Schedule of NIPER JEE 2024**

S. No.	Event	Date(s)	Day(s)
Part A – Entrance Examination for Ph.D. Programmes			
I.	Commencement of online application	25-04-2024	Thursday
II.	Last date for online application	24-05-2024	Friday
III.	Downloading of the Hall-tickets	Will be updated on the NIPER Guwahati / NIPER JEE 2024 website.	
IV.	Online NIPER JEE 2024 Examination		
V.	Declaration of results on the website (www.niperguwahati.ac.in)		
VI.	Physical interview followed by the counselling.		

3.2 Application Procedure for Ph.D. Programmes

Applicants shall apply online on www.niperguwahati.ac.in as per instructions given on the website. The process of online application shall commence from **25th April 2024** onwards and will continue till **24th May 2024 (The proposed dates are tentative, and any changes will be updated on the NIPER Guwahati / NIPER JEE website)**. The webpage for the online application form could be accessed through the link provided on the official website of NIPER Guwahati / NIPER JEE 2024 (<https://niperguwahati.ac.in/niperjee/>). The online application process comprises of following steps:

Step 1: Payment of Application Fee

Step 2: Know your payment status

Step 3: Fill in all the details in your online Application Form

Step 4: Preview your duly filled in Application Form

Step 5: Verify your details and submit your Application Form

Step 6: Take the printout of the Application Form and to submit at the time of physical counselling.

- While filling out the online application form, please choose the email ID you access frequently, as all communications from the NIPER Guwahati JEE Office will be sent to that email ID only (do not use anybody else's email address). NIPER JEE office is no way responsible in case wrong email ID or mobile number is registered.

3.3. Application Fees

Programme	Category	Fees (₹)
1. Ph.D. (Biological Sciences, Chemical Sciences, Pharmaceutical Sciences, and Pharmaceutical Management)	Gen/OBC/PwBD/EWS	4,000/-
	SC/ST	2,000/-
2. Ph.D. (Medical Devices)	Gen/OBC/PwBD/EWS	4,000/-
	SC/ST	2,000/-

*** Transaction charges may apply as per the bank policy.**

Note:

1. A separate exam will be conducted for Ph.D. in Medical Devices programme, to give wide scope for the interdisciplinary candidates (such as engineering background) in the afternoon session at the respective centers.
2. The candidates interested in applying for both the sessions should submit a separate application subject to fulfilling the eligibility criteria as mentioned in section 2.1.

3.4 Requirements before filling online application form

Before starting the application process, please keep the following documents/information ready:

- Personal information (name, date of birth, email, mobile number etc.)
- Address for communication (including PIN code)
- Qualifying degree details (Marks, College address, Postal Code)
- GPAT/GATE/NET rank and score card (if score card is available and the candidates who are appearing in 2024 must provide the same by the time of counselling. Failing to submit the same will automatically cancel the candidature and application fee shall not be refunded)

- Scanned copy of Aadhaar card/Passport/Voter ID/Driving License (file size: < 300kb, pdf)
- Choice of examination centers
- Good quality image of your photograph (file size: < 50kb, JPG, JPEG)
- Good quality image of your signature (file size: < 30kb, JPG, JPEG)
- Your net-banking login and password to make the application fee payment via online mode. In case you are making the payment through debit card/credit card, you must have the information like debit card/credit card number, password, CVV number ready with you.

The detailed instructions for filling the online application form are provided in the "Instructions for Online Application" document available on the application web-page, which could be accessed through the link provided on the official website of NIPER Guwahati (<http://www.niperguwahati.ac.in/>). Candidates are required to read all the instructions thoroughly and carefully before filling in the online application form.

3.5 Admit Card

- The Admit Card can only be downloaded from the portal linked with NIPER Guwahati website, after logging into portal using the applicant's credentials.
- Admit Cards will NOT be sent by post. Bring a printout of the downloaded Admit Card to the examination centre along with the original and valid photo identification (No photocopy / scanned copy/ expired ID is permitted). It may be noted that the candidate may carry one of the following IDs: Driving License, Passport, Voter ID and Aadhaar card.
- Candidates applied under PwBD category need to carry proof of the same along with the admit card for providing additional time /assistance during the exam. Failing to submit at the time of examination centre will be treated under General candidate.

3.6 Important Information for NIPER JEE 2024: Ph.D. Programmes

- The login to this interface using your Application ID and password. Keep this information safe and do not disclose it to anyone.
- Applicants are advised to check the eligibility criteria thoroughly before filling the application form.

- In case if any applicant appears unintentionally at the entrance test that otherwise does not fulfil the minimum eligibility requirement. The institute reserves the right to refuse or cancel admission at any point of time if it is found that:
 - The minimum eligibility requirement is not fulfilled.
 - Suspicious documentation has been made, or evidence has been suppressed.
 - Any other reason:
- In case of any dispute arising because of any typographical mistake or otherwise, the decision of the Director, NIPER Guwahati, shall be final and binding on the candidates.
- No application fee will be refunded in any of the above case.

3.7 Venues of the NIPER JEE 2024

The online test will be conducted in the following cities and the exact details of exam centres in the respective cities will be provided in the admit card.

S.No.	Test Centre City	S.No.	Test Centre City
1	Ahmedabad	11	Kolkata
2.	Aurangabad	12.	Lucknow
3	Bangalore	13.	Mumbai
4.	Bhopal	14.	Nagpur
5.	Bhubaneswar	15.	New Delhi
6	Chandigarh	16.	Patna
7	Chennai	17	Pune
8	Guwahati	18	Ranchi
9	Hyderabad	19	Thiruvananthapuram
10	Jaipur	20	Vijayawada

Note:

1. The above centres are tentative and may change based on the number of applications received from the respective cities.

2. Candidates are requested to choose three nearest cities from the above table as the preferred centres carefully. The exam centre will be allotted based on the preference and the availability of the centres.
3. No TA/DA will be paid for attending the NIPER JEE 2024. Candidates must make their own arrangement for stay during the online test (wherever applicable).
4. **Candidates are advised to reach the allotted test centre one day before the date of exam and arrange to stay for one more day of post exam to avoid any unforeseen event like natural calamities, technical glitches etc., NIPER JEE is in no way responsible for such those unforeseen events.**

3.8 About the Entrance Test

The permission granted to the candidates to appear in online test /counselling is merely provisional. Final consideration of the candidature is subject to fulfilment of the eligibility criteria to be verified at the time of physical counselling at NIPER Guwahati.

- a. There will be an objective type of question paper containing 170 questions of 85 marks, for each of the following areas i.e. Chemical Sciences; Biological Sciences; Pharmaceutical Sciences; and Pharmaceutical Management. A separate exam for the Ph.D. admission to Medical Devices will be conducted in the afternoon session on the day of NIPER JEE 2024. The exam paper pattern will be as specified above.
- b. The standard of the question paper will be equivalent to the syllabus of M.S. (Pharm.); M.Pharm.; M.Tech. (Pharm.); M.Tech/M.E., M.V.Sc., M.D., Pharm.D., M.Sc. (in relevant discipline) and MBA level.
- c. The question paper of each discipline contains two sections. **Section A** comprised of 25% questions from general 'Pharmaceutical Sciences,' General Aptitude, General English, Aptitude and Reasoning. **Section B** is comprised of 75% questions from the respective disciplines i.e., from subjects of Chemical Sciences, Biological Sciences, Pharmaceutical Sciences, Pharmaceutical Management. Whereas for Medical Devices, 75% of the questions come from the syllabus of M.Tech. Medical Devices or its equivalent.
- d. The duration of the examination will be 2 hours.

- e. The qualified candidates in each discipline must appear for a physical interview for 15 marks at NIPER Guwahati followed by the counselling. (Note: Exact date of physical interview and counselling will be notified in the NIPER Guwahati / NIPER JEE website).

3.9 Instructions for all candidates on exam day

- Candidates **MUST** carry a printed copy of the **downloaded NIPER JEE 2024** admit card and their **valid original photo identity card** (any one of the following: Aadhaar Card, School/College/Institute ID, Driving License, Voter ID, Passport, Notarized Certificate with photograph) for attending the examination. Only candidates with valid admit cards and photo id cards will be allowed to attend the examination.
- The candidate's identity will be verified at the examination centre by invigilators as well as NIPER JEE 2024 representative officers. If the identity of the candidate is in doubt, the candidate may not be allowed to appear for the examination. However, the NIPER authorities, at their discretion, may provisionally permit the candidate to appear for the examination after completing certain formalities. No extra time will be allowed to complete the examination in lieu of the time taken to complete these formalities. In such cases where the candidate is permitted to appear for the examination provisionally, the decision of the Chairman, NIPER JEE 2024, on the issue shall be final.
- Using unfair means or impersonation in attending the examination is a serious offence and will lead to disqualification of candidature from NIPER JEE 2024 and all admission-related processes. It may also lead to legal action against such candidates.
- All candidates shall be subjected to extensive and compulsory frisking before entering the Examination Centre.
- Only pens, pencils, drinking water in transparent bottle, hardcopy of admit card and an original photo identity card are allowed to be taken inside the examination hall.
- The following items will **NOT** be allowed inside the examination centre: watches, mobile phones, Bluetooth devices, earphones, microphones, pagers, health bands or any other electronic gadgets, any printed/blank/handwritten paper, log tables, writing pads, scales, eraser,

geometry/pencil-boxes, pouches, calculators, pen drives, electronic pens/scanner, wallets, handbags, camera, goggles or similar such items.

- Candidates are advised NOT to wear items containing metals such as ring, bracelet, earrings, nose pin, chain/necklace, pendant, badge, brooch, clothes with big buttons. They are also advised to wear open footwear like chappals and sandals.
- Any other item which could be used for unfair means, or for hiding communication devices like a microchip, camera, Bluetooth device, etc., is not permitted.
- Candidates must report to the examination centres well in advance and carry out the requisite formalities which will be mentioned in the admit card.
- Candidates arriving at the examination centre after commencement of the examination in each paper will not be allowed to take the examination under any circumstances.
- Candidates are required to be present in the examination hall for the entire duration of each paper.

3.10 Marking Scheme of NIPER JEE 2024

- a. Each question carries 0.5 mark.
- b. For each incorrect response 0.125 mark will be deducted from the total score.
- c. No marks will be given for Un-answered or un-attempted questions.
- d. In case a question is dropped due to some technical error, full marks shall be given to all the candidates irrespective of the fact who have attempted it or not.

3.11 Declaration of the Results of NIPER JEE 2024

- a. The NIPER JEE 2024 results will be declared on the official website of NIPER Guwahati (www.niperguwahati.ac.in).
- b. Rules for TIE-BREAKING Policy
 - In case of tie between two or more applicants due to similar score in the written exam or final score (written exam + interview) of NIPER JEE 2024, their scores will be calculated upto four decimal points and prior

rank will be given to the candidate having the highest score. However, after calculating the score, upto four decimal points if the tie remains the below criteria will be used.

- Score in Section B of the respective exam; followed by
- Candidates with less number of attempted incorrect answers in the entire exam; followed by
- Candidate with less number of attempted incorrect answers in Section B of the respective exam; followed by
- Seniority of age; followed by
- Application number in Ascending Order.

PART 4: ADMISSION PROCEDURE FOR Ph.D. PROGRAMMES

- Admission to the Ph.D. Programme will be based on the combined merit obtained by a candidate in the NIPER JEE (85%) and interview (15%). Interview of the eligible candidates for the Ph.D. Programme will be conducted based on the marks scored in the NIPER JEE.
- The candidates should attend Physical Interview at NIPER Guwahati on the scheduled date and time notified in the NIPER Guwahati / NIPER JEE website. Candidates will be allowed to participate in Interview, only if they submit the requisite documents as mentioned in “Documents to be uploaded” head (Section 4.1) at the time of interview. Failure to submit any document at the time of counselling or later stage will automatically cancel his/her candidature.

4.1 Documents to be Uploaded Along with the Application Form

The candidates will be required to upload the following documents in original failing which, the candidature shall be summarily rejected:

- a) Matriculation Certificate as a proof of age and correct name (file size: < 300kb, pdf)
- b) Mark sheets of all the semesters/years of the qualifying degree. **Candidates who are appearing for the final qualifying degree, must upload all mark sheets up to the pre-qualifying examination in a single PDF only** (file size: up to 1MB, pdf)
- c) Certificate of reservation for SC/ST, if applicable (file size: < 300kb, pdf)
- d) Certificate of reservation for EWS category, if applicable (file size: < 300kb, pdf) : **As per the format enclosed in Annexure 2**
- e) Certificate of reservation and certificate of income (showing non-creamy layer status of the OBC candidates as provided in OM No. 36033/3/2004-Estt. (Res) dated 9th March, 2004 of the Department of Personnel and Training, Ministry of Personnel, Public Grievances and Pension or any subsequent order issued by the Government of India in this regard) (file size: < 300kb, pdf) : **As per the format enclosed in Annexure 3**
- f) UNDERTAKING from the Candidates in lieu of non-submission of any reservation document: **As per the format enclosed in Annexure 4**

- g)** Certificate of disability, if applicable (file size: < 300kb, pdf): **As per the format enclosed in Annexure 5**
- h)** UNDERTAKING from the Candidates in lieu of non-submission of the final qualifying degree certificate: **As per the format enclosed in Annexure 6**
- i)** Self-attested copy of Aadhar Card (file size: < 300kb, pdf)
- j)** Sponsorship certificate, if applicable (file size: < 300kb, pdf)
- k)** Passport size photograph (file size: < 50kb, JPG, JPEG)
- l)** Signature (file size: < 30kb, JPG, JPEG)

Note:

- 1.** Qualification of GPAT/GATE/NET/any other National Fellowship is the essential qualification for taking admission to all master's programmes at NIPERs.
- 2.** For Masters admission, validity of the above fellowship score card is must.
- 3.** Due to delay in the GPAT result declaration, all the candidates are provisionally allowed for the NIPER JEE 2024 exam. If any candidate fails to submit the scorecard at the time of physical counselling, his/her candidature will be automatically cancelled, and the application fee will not be reimbursed.
- 4.** If any candidate fails to submit the caste/PwBD certificate at the time of application, an undertaking as per the attached format in Annexure 4 needs to be submitted. Failing to submit valid caste/PwBD certificate by the time of counselling will be considered under general category by paying the remaining application fee.

4.2 Fees and Payments

4.2.1 Fees for Ph.D. Programmes

Onetime Payment of Charges	General / OBC / EWS (Rs.)	SC/ST (Rs.)	Govt./ Industry Sponsored. (Rs.) *
Admission Fee	5,000	5,000	-
Alumni Fund	9,000	9,000	-
Hostel Admission	5,162	5,162	-
Group Insurance	4,496	4,496	-
Security Amount (Refundable)	27,500	27,500	-
Placement Fee	4,000	4,000	-
Total A	55,158	55,158	83,993
CHARGES PAYABLE FOR EACH SEMESTER			
Tuition Fee	26,022	0	-
Examination / Evaluation Fees	1,150	1,150	-
Registration Fee	1,392	1,392	-
Sports	1,150	1,150	-
Computer Contingency	1,150	1,150	-
Medical Charges	1,100	1,100	-
Hostel Rent	7,654	7,654	-
Electricity Charges	3,061	3,061	-
Benevolent Fund	696	696	-
Laboratory Fee	22,960	22,960	-
Library Fee	1,531	1,531	-
Total B	67,866	41,844	1,48,056
TOTAL CHARGES PAYABLE			
Payable on Admission [Sem-1 (A+B)]	1,23,024	97,002	2,32,049
Payable for Subsequent Semesters	67,866	41,844	1,48,056

Note: In addition to the above, all the PhD students will be required to pay thesis evaluation charges of Rs. 11,500/- at the time of submission of their thesis.

As per NIPER Ordinance point nos. 11 b) (iv), (v), (vi) and (vii),

- The Fee and other charges shall be required to be paid by the notified date and time;
- The selected candidates shall be required to deposit or pay the fee and other charges by the time of counselling after the confirmation of the seat at the respective NIPER. (Note: The mode of payment will be notified in the NIPER JEE website)
- Where the candidate does not deposit fees etc. at the time of counselling, he or she shall forfeit the seat. The seat shall be offered to the next candidate on the merit list at the time of counselling.
- The candidate shall provisionally register for Ph.D. Programme at the time of admission.
- Where the student successfully completes the course work and clears the comprehensive examination, the provisional registration shall be the formal registration from the date of admission.
- Group Insurance and Security Amount in case of Govt./Industry Sponsored candidates will be same as in case of other students.
- **PhD non-hostellers:** Non-Hostellers will not be required to pay Hostel Rent and electricity charges. However, in case of Foreign Nationals category even if a student does not avail hostel facility, he/she will not be declared a non-hosteller.
- **Project cost for sponsored candidates:** Sponsored candidate from Govt. Departments, Research and Development Organizations, Public Sector Undertakings and Reputed Private Pharmaceutical Enterprises and Self-Financed candidates, shall be required to pay an additional Rs. 88,550/- p.a. (non-refundable) towards Project cost along with admission/semester fees.

4.2.2 Fee Structure for Foreign Nationals

S.NO	Period	Ph.D. Programmes
1	During admission	USD 3,250
2	Each Semester	USD 2,075

- Any other fee, charges or dues at the same rate as payable by the Indian students of the same academic category and level, will be payable in USD by such candidates.
- Foreign National candidates, even if they do not avail hostel facility, will not be declared as non-hosteller.

4.2.3 Refund of Security Amount

- If the student does not join the programme after paying the fees and leaves the Institute, the fees shall not be refunded excluding Security Amount.
- Students, in the eventuality of withdrawing/leaving a course after joining, will have to return the entire fellowship received.

4.3 Financial Assistance

- **Funded category:** The seats available for the disciplines mentioned in “Academic Programmes and Eligibility Criteria” head (Section 2.3) includes seats funded by DoP only.
- Continuation of DoP fellowship will be subject to obtaining of minimum CGPA of 6.50 in each semester. In case the CGPA is less than 6.50 but more than 6.00 the stipend of the student shall be withheld till he/she obtains the minimum CGPA of 6.50 as per the terms and conditions of the Institute.
- The tenure of the fellowship will be three years with possible extension up to a maximum tenure of five years. The fellowships are renewable every year as per Institute rules subject to satisfactory progress and good conduct. In addition to the Ph.D. research work, all the students must provide assistance of 8 hours per week to the Institute.

4.4 Registration/Orientation

- a) Before the commencement of each semester, every student shall renew registration in person in accordance with the procedure and schedule laid down by the Institute. The student shall deposit the fee and other charges at the time of renewing the registration.
- b) Late or in-absentia renewal of registration shall not be permitted. However, in special circumstances such as departmental assignment/training etc., the Dean, having been satisfied of the circumstances, shall permit late or in-absentia renewal of registration. No renewal of registration shall be permitted after 10 days of

commencement of the classes/semester. Student who fails to renew registration by the notified date shall cease to be the student of Institute.

- c) The registration shall be cancelled under any of the following conditions:
- Where the student absents for a continuous period of four weeks without prior intimation/sanction of leave.
 - Where the student fails to renew registration.
 - Where the student fails to clear the examination
 - Where the student has committed an act of misconduct/indiscipline
 - Where academic performance of the student is unsatisfactory; and
 - Where the student resigns from the programme and his or her resignation has been accepted.

4.5 Credit System for Doctoral Programs

Education in NIPERs is organized around the credit system. Each course has a certain number of credits which will describe its weightage as per the NIPER ordinance. The performance/progress of the student will be measured by the number of credits that he/she has completed satisfactorily. A minimum grade point average will be required to qualify for the degree.

Every course will be coordinated by a faculty member of the department offering the course in each semester. This faculty member will be called the course coordinator. The coordinator will have the full responsibility to conduct the course, coordinating the work of the other members of the faculty involved in teaching that course, holding tests and assignments and awarding the grades. In case of any difficulty the student is expected to approach the course coordinator for advice and clarification. However, the overall academic activities of a department will be supervised by the head of the respective department.

4.6 Conditions for the Award of Degree

4.6.1 Attendance:

Students are required to attend every lecture and practical class during the semester: provided that in the case of the late registration, sickness and other contingencies, the attendance required will be a minimum of 75% of the classes actually held. If the student falls short of 75% of mandatory attendance

in a course, he/she will not be permitted to appear in the end-semester examination of that course in that semester and the student will have to complete all requirements of that course in the subsequent year.

4.6.2 Credit requirements for Ph.D. Programmes:

M. S. (Pharm.); M.Tech. (Pharm.); M.Pharm.; M.Tech. degree holders of NIPER getting into the Ph.D. programmes will have to complete Ph.D. course work of minimum 12 credits, and all other students will have to complete minimum of 28 credits of which at least 16 credits should be from the specialization.

4.6.3 CGPA Requirements for Ph.D. Programmes:

The minimum CGPA requirement will be 6.50. If the CGPA is within 6.00 to 6.50, he/she will be asked to take more courses in order to make up the required CGPA. If CGPA is below 6.00 at the end of any semester, he/she will have to discontinue the Ph.D. programme.

If CGPA is below 5.50 in any semester, the student shall be permitted to improve his/her CGPA by repeating in a maximum of 2 theory courses irrespective of the grade earned. If a student after availing the maximum number of repeat examinations as per rules, fails to clear the course(s) or fails to secure minimum CGPA shall have to discontinue the Ph.D. programme.

4.6.4 Duration of Ph.D. Programmes:

A student will be formally registered/ admitted to the candidacy of Ph.D. degree only after clearing the comprehensive examination, which he/she will be permitted to take only after the submission of a research plan and completion of the course work. A maximum of two attempts (not in the same semester) will be allowed to any student to clear the comprehensive examination. A student must formally register for Ph.D. after completing the comprehensive examination.

The student will be required to be registered for a period of not less than three years, but in exceptional cases the minimum registration period may be reduced to two years with the approval of the Senate.

4.7 Measures Against the Menace of Ragging /Rules Governing Conduct and Maintenance of Discipline/Acts of Indiscipline

- Ragging in educational institutions is banned by Hon'ble Supreme Court of India. The Court has issued mandatory orders to curb the menace of

ragging. If a student is found to have indulged in ragging, he/she shall be awarded severe punishment, like expulsion from hostel or mess. In serious cases, student can be expelled from the Institute or FIR can be lodged against him/her with the nearest police station. The punishment shall also be in the form of fine, public apology or holding of result.

- Students who join the institute are required to submit an affidavit in the form of an undertaking when joining at the respective NIPER.
- They shall also submit an undertaking from their parents on a plain paper at the time of counselling/admission. Signature of the parents should be attested. Before commencement of classes, admitted students will be required to submit an anti-ragging affidavit in the Academic Section of the respective NIPER.

Note: The formats for rules governing conduct and maintenance of discipline and Acts of Indiscipline will be updated on the website. The candidates need to submit them during the counselling Phase.

4.8 Hostel Facility

Admitted candidates will be provided hostel accommodation based on the availability of rooms, including shared accommodation.

PART 5: LIST OF ANNEXURES

Annexure 1	Format for sponsorship certificate
Annexure 2	Format for EWS certificate
Annexure 3	Format for OBC certificate
Annexure 4	Declaration of the candidate in lieu of unable to submit valid caste/PwBD certificate
Annexure 5	Format for PwBD certificate
Annexure 6	Declaration of the candidate in lieu of unable to submit final qualifying degree certificate

Annexure 1

Format for Sponsorship Certificate

(To be submitted on letter head of the Sponsoring Organization along with duly filled in application form)

SPONSORSHIP CERTIFICATE

It is to certify that Mr./Ms. is a bonafide employee of our organization and has been working here as (designation) since(date). As per records available with our organization, Mr./Ms. has post qualification (qualifying degree) minimum relevant experience of 2 years/more than 2 years in our organization. In the event of admission of Mr./Ms. In NIPER, he/she would be treated on duty and will be paid salary and allowances for the period for pursuing his/her studies and research and that the requisite fee of the candidate will be paid by us.

I understand that in the event of our withdrawal from sponsorship to the student at any stage during the duration of the programme, Mr./Ms..... shall cease to be a student of the institute from the date of withdrawal of sponsorship.

(Authorized Signatory)

Format for EWS Certificate

Government of

(Name & Address of the authority issuing the certificate)

INCOME & ASSET CERTIFICATE TO BE PRODUCED BY ECONOMICALLY WEAKER SECTIONS

Certificate No. _____

Date _____

1. This is to certify that Shri/Smt./Kumari _____ son/daughter/wife of _____ permanent resident of _____, Village/Street _____ Post Office _____ District _____ in the State/Union Territory _____ Pin Code _____ whose photograph in attested below belongs to Economically Weaker Sections, since the gross annual income* of his/her "family"** is below Rs. 8 lakh (Rupees Eight Lakh only) for the financial year 2023-2024. His/her family does not own or possess any of the following assets***:

- I. 5 acres of agricultural land and above;
- II. Residential flat of 1000 sq. ft. and above;
- III. Residential plot of 100 sq. yards and above in notified municipalities;
- IV. Residential plot of 200 sq. yards and above in areas other than the notified municipalities.

2. Shri/Smt./Kumari _____ belongs to the _____ caste which is not recognized as a Schedule Caste, Schedule Tribe and Other Backward Classes (Central List).

Signature with seal of Officer

Name

Designation _____

* Note1: Income covered all sources i.e., salary, agricultural, business, profession, etc.

** Note2: The term "Family" for this purpose includes the person, who seeks benefit of reservation, his/her parents and siblings below the age of 18 years as also his/her spouse and children below the age of 18 years.

*** Note3: The property held by a "Family" in different locations or different places/cities have been clubbed while applying the land or property holding test to determine EWS status.

Format for OBC (NCL) Certificate

FORM OF CERTIFICATE TO BE PRODUCED BY OTHER BACKWARD CLASSES (NCL)* APPLYING FOR ADMISSION TO CENTRAL EDUCATIONAL INSTITUTIONS (CEIs), UNDER THE GOVERNMENT OF INDIA

This is to certify that Shri/Smt./Kum** _____ Son/ Daughter**
of Shri/Smt.** _____ of Village/ Town**
_____ District/Division** _____ in the
State/Union Territory _____ belongs to the
_____ community that is recognized as a backward class
under Government of India***, Ministry of Social Justice and Empowerment's
Resolution No. _____ dated _____ ****

Shri/Smt./Kum. _____ and/or _____
his/her family ordinarily reside(s) in the _____
District/Division of the _____ State/Union Territory. This is also to
certify that he/she does NOT belong to the persons/sections (Creamy Layer)
mentioned in Column 3 of the Schedule to the Government of India, Department of
Personnel & Training O.M. No. 36012/22/93- Estt. (SCT) dated 08/09/93 which is
modified vide OM No. 36033/3/2004 Estt.(Res.) dated 09/03/2004, further modified
vide OM No. 36033/3/2004-Estt. (Res.) dated 14/10/2008, again further modified vide
OM No.36036/2/2013-Estt (Res) dtd. 30/05/2014, and again further modified vide OM
No. 36033/1/2013-Estt (Res) dtd. 13/09/2017.

District Magistrate / Deputy Commissioner / Any other Competent Authority

Dated:

Seal :

* Visit <http://www.ncbc.nic.in> for latest guidelines and updates on the Central List of State-wise OBCs.

** Please delete the word(s) which are not applicable.

*** As listed in the Annexure (for FORM-OBC-NCL)

**** The authority issuing the certificate needs to mention the details of Resolution of Government of India, in which the caste of the candidate is mentioned as OBC.

NOTE:

(a) The term 'Ordinarily resides' used here will have the same meaning as in Section 20 of the Representation of the People Act, 1950.

(b) The authorities competent to issue Caste Certificates are indicated below:

(i) District Magistrate/ Additional Magistrate/ Collector/ Deputy Commissioner/ Additional Deputy Commissioner/ Deputy Collector/ Ist Class Stipendiary Magistrate/ Sub-Divisional magistrate/ Taluka Magistrate/ Executive Magistrate/ Extra Assistant Commissioner (not below the rank of Ist Class Stipendiary Magistrate).

(ii) Chief Presidency Magistrate / Additional Chief Presidency Magistrate / Presidency Magistrate.

(iii) Revenue Officer not below the rank of Tehsildar' and

(iv) Sub-Divisional Officer of the area where the candidate and/or his family resides

(v) Certificate issued by any other authority will be rejected

**Undertaking by the Candidate in Lieu of non-submission of
EWS/OBC/SC/ST/PwBD Certificate**

Name of the candidate: _____

Address: _____

Application Number of NIPER JEE 2024:

Mobile No: _____

Email:

I understand that as per the guidelines of NIPER JEE 2024 supposed to upload the valid caste/P certificate for claiming the reservation as per the Govt. norms

Since I have not been able to collect the said certificate on time, I may kindly be allowed to write NIPER JEE 2024 provisionally and that I will submit a valid certificate as per the formats at the time of reporting for seat allocation/physical counselling.

I understand that inability to upload the same by the given date and time will lead to the withdrawal of reservation benefit. I also understand that, if fail to submit the same will be adjusted accordingly in the Common Rank List/General category.

Signature of Father/Mother

Signature of Applicant

Name:

Date:

Date:

Annexure 5

Format for PwBD Certificate

Form-V
Certificate of Disability
(In cases of amputation or complete permanent paralysis of limbs or dwarfism and in case of blindness)

[See rule 18(1)]
(Name and Address of the Medical Authority issuing the Certificate)

Recent passport size attested photograph (Showing face only) of the person with disability.

Certificate No. _____ Date: _____

This is to certify that I have carefully examined Shri/Smt./Kum. _____ son/wife/daughter of Shri _____ Date of Birth (DD/MM/YY) _____ Age _____ years, male/female _____ registration No. _____ permanent resident of House No. _____ Ward/Village/Street _____ Post Office _____ District _____ State _____, whose photograph is affixed above, and am satisfied that:

(A) he/she is a case of:

- locomotor disability
- dwarfism
- blindness

(Please tick as applicable)

(B) the diagnosis in his/her case is _____

(C) he/she has _____ % (in figure) _____ percent (in words) permanent locomotor disability/dwarfism/blindness in relation to his/her _____ (part of body) as per guidelines (.....number and date of issue of the guidelines to be specified).

2. The applicant has submitted the following document as proof of residence:-

Nature of Document	Date of Issue	Details of authority issuing certificate

(Signature and Seal of Authorised Signatory of notified Medical Authority)

Signature/thumb impression of the person in whose favour certificate of disability is issued

NIPER JEE 2024 Information Brochure

(Ahmedabad; Guwahati; Hajipur; Hyderabad; Kolkata; Raebareli; S.A.S. Nagar)

Form - VI
Certificate of Disability
(In cases of multiple disabilities)
[See rule 18(1)]

(Name and Address of the Medical Authority issuing the Certificate)

Recent passport size attested
photograph
(Showing face only) of the
person with disability.

Certificate No. _____

Date: _____

This is to certify that we have carefully examined Shri/Smt./Kum.

_____ son/wife/daughter of Shri

_____ Date of Birth (DD/MM/YY) _____

Age _____ years, male/female _____.

Registration No. _____ permanent resident of House No. _____

Ward/Village/Street _____ Post Office _____ District _____ State

_____, whose photograph is affixed above, and am satisfied that:

(A) he/she is a case of Multiple Disability. His/her extent of permanent physical impairment/disability has been evaluated as per guidelines (.....number and date of issue of the guidelines to be specified) for the disabilities ticked below, and is shown against the relevant disability in the table below:

S. No	Disability	Affected part of body	Diagnosis	Permanent physical impairment/mental disability (in %)
1.	Locomotor disability	@		
2.	Muscular Dystrophy			
3.	Leprosy cured			
4.	Dwarfism			
5.	Cerebral Palsy			
6.	Acid attack Victim			
7.	Low vision	#		
8.	Blindness	#		
9.	Deaf	£		
10.	Hard of Hearing	£		
11.	Speech and Language disability			
12.	Intellectual Disability			
13.	Specific Learning Disability			
14.	Autism Spectrum Disorder			
15.	Mental illness			

16.	Chronic Neurological Conditions			
17.	Multiple sclerosis			
18.	Parkinson's disease			
19.	Haemophilia			
20.	Thalassemia			
21.	Sickle Cell disease			

(B) In the light of the above, his/her overall permanent physical impairment as per guidelines (.....number and date of issue of the guidelines to be specified), is as follows :

In figures : - ----- percent

In words :- ----- percent

2. This condition is progressive/non-progressive/likely to improve/not likely to improve.

3. Reassessment of disability is :

(i) not necessary,

or

(ii) is recommended/after years months, and therefore this certificate shall be valid till ---- ---- ----

(DD) (MM) (YY)

@ e.g. Left/right/both arms/legs

e.g. Single eye

£ e.g. Left/Right/both ears

4. The applicant has submitted the following document as proof of residence:

Nature of document	Date of issue	Details of authority issuing certificate

5. Signature and seal of the Medical Authority.

Name and Seal of Member	Name and Seal of Member	Name and Seal of the Chairperson

Signature/thumb impression of the person in
whose favour certificate of disability is issued.

NIPER JEE 2024 Information Brochure

(Ahmedabad; Guwahati; Hajipur; Hyderabad; Kolkata; Raebareli; S.A.S. Nagar)

Form – VII
Certificate of Disability
(In cases other than those mentioned in Forms V and VI)
(Name and Address of the Medical Authority issuing the Certificate)
(See rule 18(1))

Recent passport size
attested photograph
(Showing face only) of the
person with disability

Certificate No. _____

Date: _____

This is to certify that I have carefully examined

Shri/Smt/Kum _____ son/wife/daughter of Shri

_____ Date of Birth (DD/MM/YY) _____

_____ Age _____ years, male/female _____ Registration No.

_____ permanent resident of House No. _____ Ward/Village/Street

_____ Post Office _____ District _____

State _____, whose photograph is affixed above, and am satisfied that

he/she is a case of _____ disability. His/her extent of

percentage physical impairment/disability has been evaluated as per guidelines

(.....number and date of issue of the guidelines to be specified) and is shown against the

relevant disability in the table below:

S. No	Disability	Affected part of body	Diagnosis	Permanent physical impairment/mental disability (in %)
1.	Locomotor disability	@		
2.	Muscular Dystrophy			
3.	Leprosy cured			
4.	Cerebral Palsy			
5.	Acid attack Victim			
6.	Low vision	#		
7.	Deaf	€		
8.	Hard of Hearing	€		
9.	Speech and Language disability			
10.	Intellectual Disability			
11.	Specific Learning Disability			
12.	Autism Spectrum Disorder			
13.	Mental illness			
14.	Chronic Neurological Conditions			
15.	Multiple sclerosis			

16.	Parkinson's disease			
17.	Haemophilia			
18.	Thalassemia			
19.	Sickle Cell disease			

(Please strike out the disabilities which are not applicable)

2. The above condition is progressive/non-progressive/likely to improve/not likely to improve.

3. Reassessment of disability is:

(i) not necessary, or

(ii) is recommended/after _____ years _____ months, and therefore this certificate shall be valid till (DD/MM/YY) _____

@ - eg. Left/Right/both arms/legs

- eg. Single eye/both eyes

€ - eg. Left/Right/both ears

4. The applicant has submitted the following document as proof of residence:

Nature of document	Date of issue	Details of authority issuing certificate

(Authorised Signatory of notified Medical Authority)

(Name and Seal)

Countersigned
{Countersignature and seal of the
Chief Medical Officer/Medical Superintendent/
Head of Government Hospital, in case the
Certificate is issued by a medical authority who is
not a Government servant (with seal)}

Signature/thumb impression of the person in
whose favour certificate of disability is issued

Note: In case this certificate is issued by a medical authority who is not a Government servant, it shall be valid only if countersigned by the Chief Medical Officer of the District

Annexure 6

**Undertaking by the Candidate in Lieu of non-submission of final
qualifying degree Certificate**

I, S/o/D/o
..... residing (address)
.....

..... fully aware
that the NIPER JEE admission for the Academic Year 2024-25 offered to me
based on my merit in the NIPER JEE-2024 exam is PROVISIONAL subjected to
submission of valid documents.

In view of the above, I hereby submit my undertaking that I will submit all the
required documents / certificate(s) / credentials (UG/PG Degree certificate
with minimal CGPA or equivalent) as mentioned in the NIPER-JEE brochure
within the due time given by the respective NIPER after my admission.

The Institute reserves the right to cancel my admission if I fail to submit the
required documents / certificate(s) / credentials within the stipulated period
given by the institute or found ineligible in case the information/certificate
found incorrect/false at any stage.

I am aware that in the event of cancellation of my provisional registration to
the PG/Ph.D programme, I am not entitled to get the fees paid except caution
deposit as per the terms and conditions mentions in the JEE brochure.

Signature of the Applicant: Date:.....

DECLARATION BY PARENT/ GUARDIAN

I
.....
.., (Mother / Father / Guardian) hereby fully endorse the above
undertaking/declaration given by my Son/Daughter.

Place:

Signature of Mother / Father / Guardian Date:



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