

Ph.D Programme Session 2023-2024

Sister Nivedita University

7/15/2023

Areas of Expertise Available in the Departments

School	Department	Area of Research	Available Slots
School of Engineering	Computer Science and Engineering	Medical Image Processing, Computer Vision; Cloud Computing, Mobile Computing; Natural Language Processing, Pattern Recognition, Artificial Intelligence, Machine Learning; Vehicular Cloud Computing, Internet of Vehicles; Data Mining, Deep Learning; Internet of Things, Edge Computing, Data Analytics; Data Science, Soft Computing, Biometrics, Image Processing, Computer Vision; Software reliability Engineering, Data Analytics , Computer Network	15
	Electronics and Communication Engineering	Mobile communication and Network, Data Center Network; Semiconductor Optoelectronic Devices, III-Nitride Devices	04
	Robotics and Automation Engineering	Robotics: Dynamics and Control of Robotic system, Multibody Dynamics	02
School of Sciences	Department of Chemistry	Surface chemistry, catalysis Nano science and nano-biotechnology Energy materials, Nanomaterials, Supramolecular Chemistry, Self Assembly, Protein aggregation, Biophysical Chemistry, Nanotechnology Computational Chemistry, Chemosensors and their applications in materials science as well as their biological activity, Synthetic Organic Chemistry, Gas separation membrane, Water splitting	10
	Department of Physics	Experimental Quantum Optics, Storage of Light Pulses, All optical atomic magnetometry , Material physics, Solar cell, electrochemistry, Synthesis and optoelectronic device application of inorganic nanomaterials, graphene nanocomposites, 2D nanomaterials and perovskites, environmental physics, quantum computation	10
	Department of Mathematics	Mathematical Modeling on non-classical theory of Thermomechanical Problem, Fractional order thermo elastic problems and related computational Techniques, Water Waves; Biological Mathematics; Generalized Thermoelasticity; Cosmology(Dark Energy, Modified Gravity)	9
School of Business	Department of Management	Corporate Finance; Operations Management, Supply Chain Management, Decision Modelling, Sustainability Operation Management; Marketing; HR & OB; Green Marketing, Rural Marketing	08

	Economics	Econometrics and Financial Economics; Macro Economics, Public Economics, Health Economics	04
School of Law	Department of Law	Criminal Law; Environmental Law, Corporate Law, Energy Law, Human Rights Law	04
School of Health Science and Translational research	Department of Microbiology	Biomaterials Science and Applied Microbiology; Bioremediation / Plant Microbe interaction ; Microbial wastewater treatment/Bioremediation of heavy metals; Evolutionary Ecology; Medical Microbiology/ Immunology	05
	Department of Bio-technology	Development of Thermostable Nanoparticulated and liposomal delivery vehicle ; Development of Immunodiagnostic kit for different infection diseases; Lignocellulose biomass-based biofuel production; Cell and Reproductive Biotechnology; Crop Improvement; Computational Biology and Bioinformatics; Nutrient homeostasis in plants; Bioremediation of heavy metals	08
	The Dept. Of Psychology, Health science and transnational research	Clinical Psychology, Cognitive Psychology; Organizational/ industrial psychology; Human animal research; Anthrozoology; Marine social sciences; Transdisciplinary research	04
School of Media Communications, Fine Arts & Design	Department of Mass Communication and Journalism	PR & Advertising; Digital Media	03
	Department of Fine Arts & Design	Drawing/painting/traditional art/art of Bengal/ Indian art; Modern & contemporary art and its curatorial possibilities	04
School of Humanities	Department of English	Postcolonial Studies, Indian Historiography and Cultural Studies, Indian Writing in English, Indian Classical Literature in English Translation, and Indian Knowledge Traditions; 18 th century British novel, the literature of the Augustan Age, Gothic studies, Monsters and Monstrosity	02
School of Performing Arts	Department of Performing Arts	Dance, Music, Drama	02
School of Social Sciences	Department of Sociology	Sociology of gender, Sociology of science and technology, Sociology of crime deviance and harm; Sociology of religion, Sociology of Health, Medicine and illness, gerontology ; Sociology of labour; Environmental sociology; Sociology of everyday life	04
Centre for Interdisciplinary Studies & Research in Social Sciences	Social Sciences	Sociology of Childhood & Sociology of Deviance; Sociology of Gender, Childhood and Interdisciplinary Post-Colonial Studies	03

*These are only indicative areas. Research can be pursued in any other area.

Duration of Ph.D. Programme

1. Minimum duration for submission of Ph.D. thesis is three years, including coursework and a maximum of six years from the date of admissions of the Ph.D programme.
2. Extension beyond the above limits will be governed by the competent authority of University.
3. The women candidates and Persons with Disability (more than 40% disability) may be allowed a relaxation of two years for thesis submission in maximum duration. In addition, the women candidates may be provided Maternity Leave once in the entire duration of Ph. D as per the University Norms.

Classification of Applicants

1. Regular candidate: Research Scholars other than sponsored/self-financed and those in receipt of scholarship from other sources i.e. outside universities.
2. Academic staff of the university/constituent units: Regular teachers and academic staff of Departments/Constituent Units who are allowed to register for Ph. D
3. Non-academic staff of the university/constituent units: Regular members of non-academic staff of the university and its departments/constituent units who satisfy eligibility qualifications and are allowed to be registered for Ph. D programme.
4. Sponsored candidates: The candidates sponsored by an organization/institution/university, which fulfils eligibility qualifications and are allowed to register for Ph.D programme.
5. Self-financed candidates: (Indian/ Foreign National/ NRI) fulfilling eligibility qualifications/criteria as per the guidelines laid down by the Government of India.

Procedure for Submitting Applications

All applications must be submitted online. The applicant can download a copy of the submitted application form from the application submission portal and furnish hardcopy of the application form with photograph and all the documentary evidence in original (testimonials, certificates, publications, work experience and research/professional experience) at the time of interview. Incomplete applications will be rejected.

Admission Procedure

Procedure for Sister Nivedita University Research Eligibility Test [SNURET]

Admission to the programme shall be based on merit in entrance test and interview. Entrance Test is of 100 Marks, written test (70 Marks) of 90 minutes duration (MCQs) followed by Interview (30 Marks).

The written test shall comprise two sections, each with 50% weightage:

- Section A – Research Methodology and Aptitude (Logical Reasoning, Analytical Reasoning, Numerical Ability, Statistics).
- Section B – Subject Specific.

Interview (viva) of 30 marks: -

All the candidates who qualify in the Entrance Test/RET and the candidates, who are exempted from the Entrance Test under the Regulation for the Degree of Doctor of Philosophy Ph. D, Regulation 2022 will have to appear for interview, subject to equivalence clearance from the Register's office, wherever required.

The candidates who have qualified UGC- NET (including JRF)/ UGC-CSIR NET (including JRF)/ SLET/ GATE/ M. Phil. are exempted from written test and can directly apply to appear at the interview.

Publication of the final list of candidates qualified for enrolment in the Ph. D programme will be displayed at Departmental notice board and University website as and when approval is received. Appearing for the interview does not guarantee admission to the Ph. D programme and Ph. D registration.

All in-service applicants, need to attach **“No Objection Certificate”** from the employer at the time of interview.

Eligibility for Ph.D. Programmes

The admission to the Ph.D. programme would strictly be done on the basis of UGC Ph.D. Regulations 2022. An applicant possessing any of the following qualifications shall be eligible to apply for admission to a Ph.D. programme of the University:

- A 1-year/2-semester master's degree programme after a 4-year/8-semester bachelor's degree programme or a 2-year/4-semester master's degree programme after a 3-year bachelor's degree programme or qualifications declared equivalent to the master's degree by the corresponding statutory regulatory body, with at least 55% marks in aggregate or its equivalent grade in a point scale wherever grading system is followed or equivalent qualification from a foreign educational institution accredited by an assessment and accreditation agency which is approved, recognized or authorized by an authority, established or incorporated under a law in its home country or any other statutory authority in that country to assess, accredit or assure quality and standards of the educational institution.
- Candidates who have cleared the M.Phil. Course work with at least 55% marks in aggregate or its equivalent grade 'B' in the UGC 7-point scale (or an equivalent grade in a point scale wherever grading system is followed) and successfully completing the M.Phil. Relaxation of marks in minimum eligibility shall be given as per UGC Regulation, 2016.

Fees for Ph.D. Programme for Academic year 2023-24, session September 2023

Indian National: (At the time of admission) Full Time Research Scholar

Description	Amount in Rs.	Remarks
Registration Fee	XXXXXX	One time, to be paid at the time of registration
Course Work Fee for 2 Semesters	XXXXXX	
Semester Fee	XXXXXX	To be paid while registering in the beginning of every semester
Thesis Evaluation Fee	XXXXXX	One time, to be paid at the time of submission of Thesis.

Application Form for the Ph. D Programme, 2023
Sister Nivedita University

Name (in block letters) :

Date of Birth :

Father's Name :

Marital Status :

Whether SC/ST/OBC/

Physically Challenged :

Address for Communication:

Phone No. :

E-mail ID :

Academic Qualification:

Name of Examination	Year of Passing	Board/ University	Subjects taken	Div./Class	% of Marks

Whether qualified in NET/SET/SLET/GATE/Teacher Fellowship or equivalent examinations or passed the M.Phil. Examination

Present position :

Date:

Attach

- 1. Self-attested mark-sheets/certificate of Master's degree or a professional degree declared equivalent to the Master's degree by the corresponding statutory regulatory body*
- 2. Self-attested NET/SET/SLET/GATE/Teacher Fellowship or equivalent examinations Certificate or mark-sheets/certificate M.Phil. Programme for the exemption of the written examination*