

**DEPARTMENT OF CIVIL ENGINEERING,  
SCHOOL OF ENGINEERING**

**Ph.D. Admission Announcement: MONSOON – 2023**

Department of Civil Engineering, School of Engineering at Shiv Nadar University (SNU) invites applications for admissions in the Ph.D. program (Duration: 5 Years). Students admitted for full time, completely residential Ph.D. program will receive a fellowship-stipend of ₹40,000/- per month for the first two years and ₹45,000/- for the last three years, subject to candidate fulfilling the departmental and university academic requirements.

**DEPARTMENTAL FACULTY** (<https://civil.snu.edu.in/people/faculty>)

➤ **Dr. Atri Nath (Assistant Professor) PhD IIT Kharagpur.**

Specialization: Structural Engg, Computational mechanics, Steel structures, fatigue and fracture, Material modeling

➤ **Dr. Ellora Padhi (Assistant Professor), PhD IIT Kharagpur.**

Specialization: Water Resources Engineering, Turbulence in open channel flow, Sediment transport phenomena, River meandering.

➤ **Dr. Ghanshyam Pal (Associate Professor), PhD University of Mississippi, USA.**

Specialization: Structural Engineering, Building physics and sustainability, Novel cementitious composites, Multiscale numerical modelling.

➤ **Dr. Gopal Das Singhal (Associate Professor), PhD IIT Roorkee.**

Specialization: Water Resources Engineering, Hydraulic structures, River hydraulics, Smart agricultural water management.

➤ **Dr. Gurmail Benipal (Professor), PhD IIT Delhi.**

Specialization: Structural Engineering, Constitutive modelling and structural theory, Damage elasto-plasticity and Thermo-chemo-visco-elasticity of concrete, Chaos and stability of structures.

➤ **Dr. Gyan Vikash (Associate Professor), PhD IIT Kanpur.**

Specialization: Geotechnical Engineering, Computational geomechanics, Constitutive modeling of geomaterials, Physics based - data driven modeling in geomechanics.

➤ **Dr. Hitesh Upreti (Assistant Professor), PhD IIT Roorkee.**

Specialization: Water Resources Engineering, Remote sensing in agriculture and water resources, Smart agricultural water management, Irrigation hydrology.

➤ **Dr. Jagabandhu Dixit (Associate Professor), PhD IIT Bombay.**

Specialization: Earthquake Engineering and Structural Dynamics, Natural hazards and disaster risk reduction, Disaster mitigation and emergency management.

➤ **Dr. Manoj Kumar Singh (Assistant Professor), PhD IIT Delhi.**

Specialization: Structural Engg, Adaptive thermal com-fort, Occupant's behavior and built energy interaction, Building energy simulation, High-performance building envelopes

➤ **Dr. Sailesh Narayan Behera (Associate Professor), PhD IIT Kanpur.**

Specialization: Environmental Engineering, Air quality monitoring and aerosol modeling, Policy evaluation of pollution control strategies, Pollution scenarios with water-air-soil interactions.

➤ **Dr. Shalini Rankavat (Assistant Professor), PhD IIT Delhi.**

Specialization: Transportation Engineering, Transport planning and policy, Traffic safety, Public transport and NMV planning.

➤ **Dr. Sumedha Moharana (Associate Professor), PhD IIT Delhi.**

Specialization: Structural Engineering, Piezoelectric impedance based structural health monitoring, Smart materials, Building science.

➤ **Dr. Susant Kumar Padhi (Assistant Professor), PhD IIT Guwahati.**

Specialization: Environmental Engineering, Biological & physico-chemical processes in environmental engineering, Membrane technology for wastewater treatment, Solid waste management.

## ELIGIBILITY REQUIREMENTS

Education qualification	
Qualifying degree	Minimum performance in qualifying degree
M.Tech./M.E. or equivalent degree	60 % or 6.5 CGPA from a recognized technical institute or University
B.Tech./B.E./ MSc	70% or 7.5 CGPA from a recognized technical institute or University

Notes:

- The PhD admission process comprises of a written exam and technical interview for those who have cleared the written text.
- Candidates with valid GATE score (95 percentile and above) are exempted from the written test.

**Candidates who are awaiting the results of the qualifying examination are also welcome to apply.**

## SELECTION PROCESS

Eligible candidates will be called for a written test conducted by the department (online mode). Applicants with valid GATE score (95 percentile and above) are exempted from the written test. Candidates successful in the written test will be invited for technical interview (offline/online mode, subject to the prevailing circumstances). Candidates will be required to demonstrate their knowledge and preparation in Civil Engineering through the written test and interview to be held as per the timeline mentioned in table below.

## IMPORTANT DATES

Process	Round-1	Round-2
Last date for the receipt of completed application form & application fee	May 31, 2023	July 19, 2023
Written Tests	June 5 2023	July 22, 2023
Technical Interview	June 12 2023	July 26, 2023
Declaration of Results	June 30, 2023	July 30, 2023
Fee Payment Deadline	July 10, 2023	Aug 10, 2023
Monsoon 2023 First Day	Aug 18, 2023	Aug 18, 2023

\* Tentative dates. Any change in dates of written test and interview will be notified to the applicants via email.

Final selection of the candidates will be done by Departmental Selection Committee after completing the process (written test and Interview). Eligibility criteria mentioned above are the minimum requirements. Applications not meeting the same will not be called for written test and interview.

**Applicants waiting for the qualifying examination results are also eligible to apply. However, they must produce all the required proofs of eligibility at the time of admission. Failing to produce the necessary documents at the time of admission will lead to the automatic cancellation of admission.**

### **SYLLABUS FOR WRITTEN TEST**

The syllabus for the written test is same as Civil Engineering syllabus of GATE 2023 (<https://gate.iitk.ac.in/doc/Syllabus/ce.pdf>). The syllabus for the applicants with a particular area of specialization in M.Tech. in Civil Engineering may be customized based on the applicant's specialization; however, it is at the discretion of the department to provide a common/specialized syllabus for written test. The syllabus and tentative content for research methodology examination, can be found at web link given below.

[https://onlinecourses.nptel.ac.in/noc22\\_ge08/preview](https://onlinecourses.nptel.ac.in/noc22_ge08/preview)

### **TUITION FEE AND FINANCIAL ASSISTNCE**

All full-time Ph.D. students admitted into the program shall receive a **doctoral award (teaching and research assistantship) consisting of tuition-fee waiver** (50% or 100% tuition waiver as per merit of the applicant, [see fee structure here](#)) **AND monthly stipend of ₹40,000 per month for the first two years, and ₹45,000 per month for the next three years**, subject to benchmarked performance evaluated continuously. The continuation of the award is subject to satisfactory performance in the program, evaluated continuously, and compliance with all university regulations. **Support will be available for deserving Ph.D. students to disseminate their work through conferences and publications.** The hostel fees and other financial regulation are mentioned in admission website. Candidate are advised to refer the same for further clarification.

### **APPLICATION INSTRUCTIONS**

**Application Fees: ₹ 1,200.00 (one thousand two hundred only, Non-Refundable).**

Please note that the University reserves the right to accept or reject any application based on departmental screening criteria, hence all applications may not be shortlisted for written examination and/or interview. No requests for refund of the application fee shall be entertained under any circumstance.

All interested applicants must apply using our online system by clicking on "[Apply Now](#)"

button. Please follow the instructions carefully.

- Fill all the mandatory fields.
  - **Online upload** of following documents is required.
    - Passport-size color photograph
    - Current CV
    - All mark sheets/degree certificates (10<sup>th</sup> Standard onwards)
    - Valid GATE score card
    - **Statement of Purpose**
  - **The application fee can be paid online or a Demand Draft can be sent to University.**
- **Please arrange for at least one letter of recommendation** to support your application. **The referee should send the letter of recommendation through direct email** (Email subject: “Letter of Recommendation: ----Student’s Name----”) to the address [hod.civil@snu.edu.in](mailto:hod.civil@snu.edu.in). Letter of recommendation sent by applicant along with application will not be considered.
- **The applicants are required to send the PDF copy of duly filled submitted application to the address [hod.civil@snu.edu.in](mailto:hod.civil@snu.edu.in).**
- **Please note that the application is not deemed complete until we receive all the necessary documents and application fees.**

**Address for sending the documents:**

Head of the Department,  
Department of Civil Engineering  
Shiv Nadar University NH-91, Tehsil Dadri  
Gautam Buddha Nagar, Uttar Pradesh, 201314 India.

For any queries, please write to Dr. Sumedha Moharana, PG Advisor and Faculty-in-charge, PostGraduate Programs ([sumedha.maharana@snu.edu.in](mailto:sumedha.maharana@snu.edu.in)).

**APPLY NOW**