

**DEPARTMENT OF CIVIL ENGINEERING,
SCHOOL OF ENGINEERING
Ph.D. Admission Announcement: MONSOON – 2022**

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. 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 (Assistant Professor), PhD IIT Bombay.**
Specialization: Earthquake Engineering and Structural Dynamics, Natural hazards and disaster risk reduction, Disaster mitigation and emergency management.
- **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

Ph.D.

- M. Tech. / M.E. or equivalent degree in relevant discipline with a minimum of 60% marks or an equivalent grade point from a recognized technical institute or university.

INTEGRATED Ph. D (i-PhD)

- Candidates should have a bachelor's degree in Civil Engineering or equivalent with 8.0 or higher CGPA on 10-point scale.
- **Valid GATE/NET** score is **mandatory** for applicants for i-PhD.
- Undergraduate students in their final semesters are also encouraged to apply.

TOTAL NUMBERS OF SEATS AVAILABLE: 08

SELECTION PROCESS

Eligible candidates will be called for written test conducted by the department (online mode). Applicants with valid GATE/NET score 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 in July 2022 (see **Important Dates** below).

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 2022 (https://gate.iitkgp.ac.in/documents/gatesyllabus/ce_2022.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.

IMPORTANT DATES

<u>PhD admission event</u>	<u>Tentative Dates*</u>
Last date for the receipt of completed application form & application fee	03 th July 2022
Written Tests	09 th July 2022
Technical Interview	15 th /16 nd July 2022
Declaration of Results	22 th July 2022
Fee Payment Deadline	06 th Aug 2022
Monsoon 2022 First Day	18 th Aug. 2022

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

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. Please note that students with CSIR, UGC, INSPIRE, ICMR fellowships shall receive 100% tuition fee waiver.** 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 (10th Standard onwards)
- Standardized Examination certificate – CSIR, UGC, GATE, etc. (as applicable)
- **Statement of Purpose**
- **The application fee can be paid online or a Demand Draft can be sent to University.**
- After online submission, please send the following documents **by Speed post / Courier** to the Department at the address given below (you may include additional documents if required). Please write “CED - Ph.D. Application Monsoon 2022” on the top of the envelope.
 - Completed form
 - Demand Draft for application fee (if online fee payment mode is not used)
- **Please arrange for at least one letter of recommendation** to support your application. The referee should directly email the letter of recommendation (Email subject: “Letter of Recommendation: ----Student’s Name----”) to the address hod.civil@snu.edu.in. Letter of recommendation sent by applicant along with application will not be considered.
- **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).

APPLY NOW

