

DEPARTMENT OF CIVIL ENGINEERING

Ph.D. ADMISSIONS

SPRING 2023

ABOUT THE Ph.D. PROGRAM

- The Department of Civil Engineering offers full-time, residential Ph.D. program in various Civil Engineering research domains.
- All Ph.D. students will receive Tuition fee waiver (50% or 100% as per merit of the applicant, see fee structure here) and Teaching/Research Assistantship of ₹40,000/month for first 2 years and ₹45,000/month for subsequent 3 years.

AREAS OF RESEARCH

- Environmental Engineering, Geotechnical Engineering, Structural Engineering, Transportation Engineering, Water Resources Engineering.
- Multidisciplinary research areas: Disaster Management, Remote Sensing and GIS, Smart Agricultural Water Management, Building Physics/Energy Efficiency.

INTERESTED CANDIDATES CAN APPLY ONLINE USING:

<https://snu.edu.in/admissions/graduate-programs>
Please check our Information brochure available on the above webpage for "IMPORTANT DATES".

DOCUMENTS REQUIRED FOR APPLICATION:

Educational documents, updated CV, colored passport photograph, standardized examination certificate (e.g. GATE, UGC-NET, etc.), Statement of purpose and Letter of recommendation.



ELIGIBILITY

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-Ph.D.)

- Candidates should have a Bachelor's degree in Civil Engineering or equivalent degree in Engineering/Science with 8.0 or higher CGPA on 10-point scale.
- Valid GATE/NET score is mandatory for all applicants for i-Ph.D.



SELECTION PROCESS

- PG / UG students in their final semesters are encouraged to apply.
- Written test and Technical interview (Candidates with valid GATE/NET score are exempted from written test).



CONTACT

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www.civil.snu.edu.in

For queries:
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LAST DATE TO APPLY:
18 November 2022

APPLICATION LINK:
CLICK HERE
OR SCAN THE QR
TO APPLY



Faculty Profiles

Dr. Atri Nath

PhD IIT Kharagpur.

Specialization: Structural Engineering cyclic-plastic response of steel structures and the high strain rate behavior of materials

Dr. Ellora Padhi

Ph.D. IIT Kharagpur

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

Dr. Gopal Das Singhal

Ph.D. IIT Roorkee

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

Dr. Gyan Vikash

Ph.D. IIT Kanpur

Specialization: Computational geomechanics, Constitutive modeling of geomaterials, Physics based - data driven modeling

Dr. Ghanshyam Pal

Ph.D. University of Mississippi, USA

Specialization: Structural Engg, Building physics, Novel cementitious composites, Multiscale numerical modelling

Dr. Gurmail Benipal

Ph.D. IIT Delhi

Specialization: Structural Engg, Constitutive modeling, Damage plasticity and thermo-chemo-visco-elasticity, Stability of structures

Dr. Hitesh Upreti

Ph.D. IIT Roorkee

Specialization: Water Resources Engg, Remote sensing in agriculture and water resources, Irrigation water management

Dr. Jagabandhu Dixit

Ph.D. IIT Bombay

Specialization: Earthquake Engg, Natural hazards and disaster risk reduction, Disaster mitigation and emergency management

Dr. Manoj Kumar Singh

PhD IIT Delhi.

Specialization: Structural Engineering, Thermal Comfort, Occupants Behavior in Built Environment, Building Energy Simulation,

Dr. Sailesh Narayan Behera

Ph.D. IIT Kanpur

Specialization: Environmental Engg, Air quality monitoring and aerosol modeling, Pollution studies: water-air-soil inter- actions

Dr. Shalini Rankavat

Ph.D. IIT Delhi

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

Dr. Sumedha Moharana

Ph.D. IIT Delhi

Specialization: Structural Engg, Piezoelectric impedance based structural health monitoring, Smart materials, Concrete durability

Dr. Susant Kumar Padhi

Ph.D. IIT Guwahati

Specialization: Environmental Engg, Biological & physio-chemical processes, Wastewater treatment, Solid waste management

Research Laboratories and Facilities

UG Laboratories

- Concrete Technology Laboratory
- Environmental Engineering Laboratory
- Fluid Mechanics Laboratory
- Strength of Materials Laboratory
- Survey and Geology Laboratory
- Transportation Engineering Laboratory

PG-Research Laboratories

- Advance Materials and Building Energy Laboratory
- Air Quality Laboratory
- Disaster Management Laboratory
- Air Quality Sampling Laboratory
- Water Management Field Laboratory

For Faculty information, please visit:
<https://civil.snu.edu.in/people/faculty>

UG and PG-Research Laboratories

- Civil Engineering Software Laboratory
- Hydraulic Engineering Laboratory
- Experimental Soil Mechanics Laboratory
- Theoretical Geomechanics Laboratory

For Laboratories information, please visit:
<https://civil.snu.edu.in/research/laboratories>

Research Highlights

Active and recently completed externally funded research projects

Faculty Name (PI of project)	Project Area	Funding Agency
Dr. Gopal Das Singhal	AI-based DSS for Improved Crop Water Use Efficiency using Regulated Drip Irrigation in the Backdrop of Climate Change	DST*
Dr. Ghanshyam Pal	Innovative Approach to Energy Savings in New and Existing Indian Habitats	DST*
Dr. Sailesh Behera	Physicochemical Characterization, Formation Mechanism and Human Health Risk Assessment of Size Fractionated Particulate Matter Emitted from Stationary Engine Exhausts	DST*
Dr. Sumedha Moharana	Study of Adhesive Bond/Debond Effect on Electro- Mechanical Behavior of Coupled- Piezo Structural System	DST*
Dr. Susant Kumar Padhi	Simultaneous Treatment of Gaseous BTEX and Wastewater Containing Nitrate and Sulphate by Using an Anaerobic Hybrid Bioreactor for Methane Production	DST*

*DST is Department of Science and Technology, Government of India.