



Admissions 2021-22

M.Sc. Program (2 years)

P.G. Diploma Program (1 year)

Certificate Program (1 Month)

SHIV NADAR UNIVERSITY
DELHI NCR

Centre for Public Affairs and Critical Theory
School of Humanities and Social Sciences

Purpose and Design

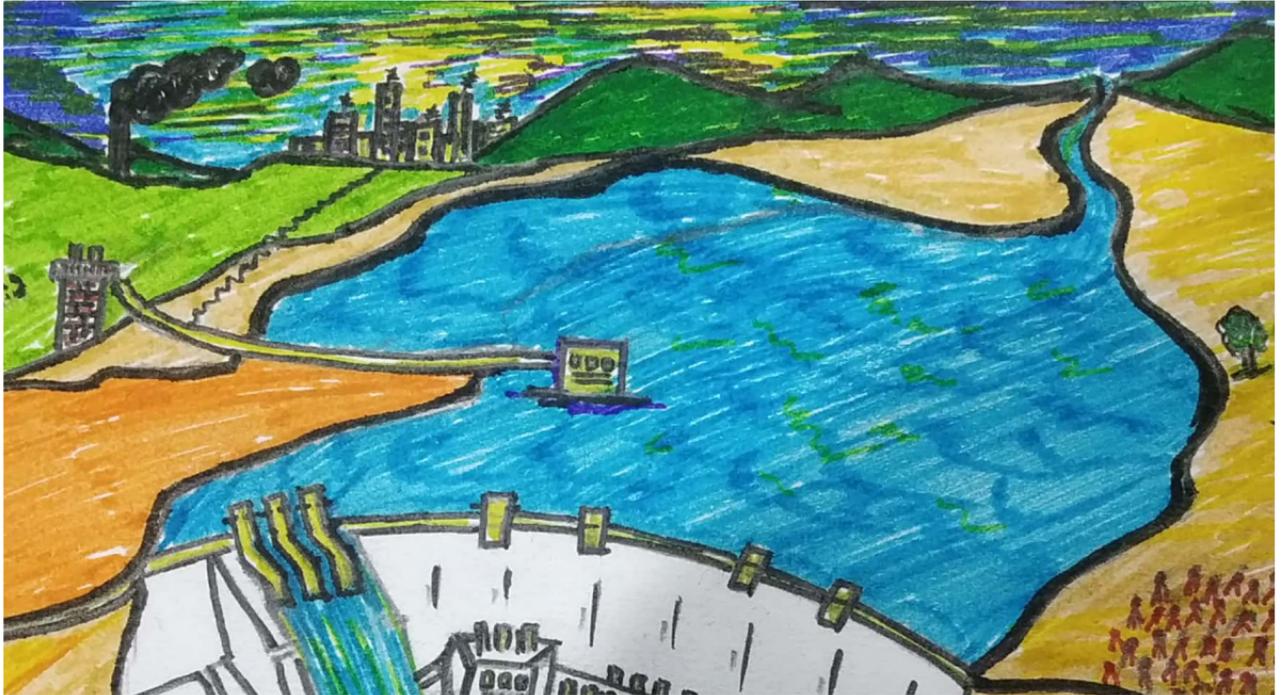


The M.Sc. course on Water Science and Policy was launched by C-PACT in 2017. It is anchored in the School of Humanities and Social Sciences (SHSS), and is part of C-PACT's multi-disciplinary research on knowledge, governance and policy reforms on water.

The course responds to the felt-need for research that questions the nature of knowledge and policy, and builds upon the need for deeper and richer understanding of the meanings and processes of water policies made by state, farms, factories and ordinary people. A unique course that combines fundamental theoretical and field-level practical learning, this M.Sc. programme is today a timely and truly necessary knowledge engagement to build a cadre of water professionals with multi-disciplinary, historically and socially contextualised understanding of the complexity and multiple dimensions of water. Rigorous and incisive problem statements, multiple community based, national and international solutions, and appropriate polycentric decision making capacities are necessary for sustainable and just water futures in the 21st century.

Candidates with the M.Sc. and P.G. Diploma degree in WSP are sought for placements by public and private water management organizations in India and abroad. Work choices on different dimensions of and issues in water, include higher education/research organizations, NGOs, donor agencies, State/Union government, and private firms/consultancies.

Faculty



The WSP courses are taught by faculty who have the best expertise and practical experience in the water sector, within India and globally. Ten core faculty members in C-PACT and SHSS, along with School of Engineering Sciences in SNU, and select nationally and internationally reputed experts will teach the course, present seminars and engage with the pedagogic innovations that this course includes. The Adjunct and Guest Faculty members are part of the research programs within C-PACT, and will also support the supervision of select M.Sc. dissertations.

Core faculty in SNU

Dr. Mihir Shah (Distinguished Professor, C-PACT)

Dr. Ajay Dandekar (Professor and Director, SHSS and Director, C-PACT)

Dr. Rajeswari Raina (Professor, Department of IRGS, SHSS, and Associate Director, C-PACT)

Dr. Kaveri Gill (Associate Professor, Department of IRGS, SHSS)

Dr. Sudeshna Guha (Associate Professor, Department of History, SHSS)

Dr. Moumita Karmakar (Assistant Professor, C-PACT)

Dr. Sailesh Behera (Associate Professor, and Head of the Department of Department of Civil Engineering, SoES)

Dr. Gopal Das Singhal (Assistant Professor, Department of Civil Engineering, SoES)

Adjunct Faculty in SNU

Dr. Himanshu Kulkarni (Director, Advanced Centre For Water Resources Development And Management, Pune)

Mr. P S Vijayshankar (Director Research, Samaj Pragati Sahyog, Bagli)

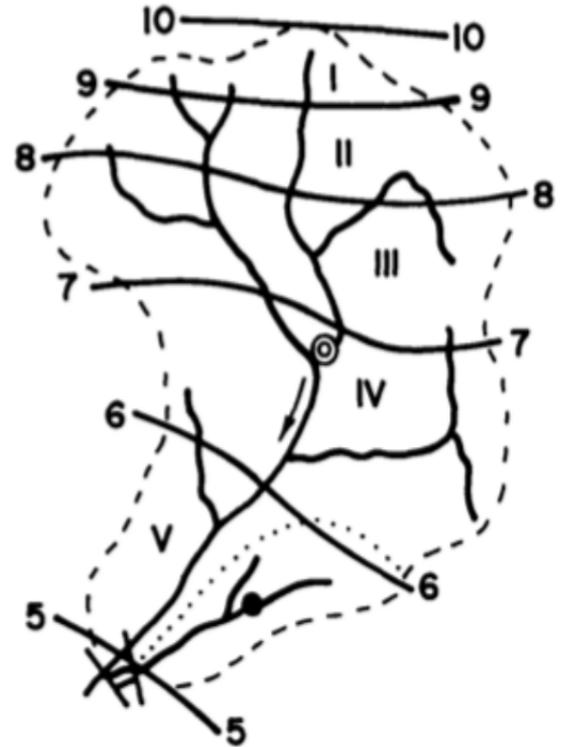


Faculty

Guest Faculty and Distinguished Speakers from:

Berkeley Water Centre, University of California, Berkeley
UNESCO-IHE Institute for Water Education, Delft, Netherlands
Centre for Water, Agroecology and Resilience, Coventry, UK
DTU Nutech, Technical University of Denmark, Risø, Denmark
ANU Crawford School of Public Policy, Canberra, Australia
Stockholm Resilience Centre, Sweden
Law, Environment & Development Centre, University of London
Indian Institute of Technology, Bombay, Gandhinagar
Indian Institute of Science, Bangalore
National Institute of Hydrology, Roorkee
Jawaharlal Nehru University, Delhi
International Water Management Institute, Anand
Water Resources Group 2030
Central Ground Water Board
Institute of Economic Growth, Delhi
Centre for Policy Research, New Delhi

Azim Premji University, Bengaluru
Madras Institute of Development Studies, Chennai
Indian Institute of Science Education and Research, Bhopal
Advanced Center for Water Resources Development & Management, Pune
Development Support Centre, Ahmedabad
Samaj Pragati Sahyog, Bagli
Centre for Sustainable Agriculture, Hyderabad
Aga Khan Rural Support Program
Shrishti Eco-Research Institute, Pune
Society for Promoting Participative Ecosystem Management, Pune
Ashoka Trust for Research in Ecology and the Environment, Bangalore



Duration and Structure



The M.Sc. programme includes four semesters (two years).

Semester One–Basic Concepts: Multi-disciplinary introduction to the water cycle, organised around rivers, aquifers, watersheds, lakes & wetlands, ecosystem services and the historical, social, legal and institutional aspects of water.

Semester Two–Problems and Applications: A critical assessment of programs and policies on water in India since independence, covering large dams, groundwater extraction, watershed development, flood management, drinking water and sanitation, urban and industrial water, legal & institutional aspects of water in India, water conflicts, climate change and SDGs.

Semester Three–21st Century Solutions in Water: Students will move into the field to learn how India's best water practitioners have evolved innovative, sustainable and equitable approaches to managing water across the country. Students will choose courses from a range of options, including traditional water harvesting & watershed management, participatory irrigation management, participatory groundwater management, rural drinking water & sanitation, sustainable non-chemical agriculture and water quality, nutrition & health.

Semester Four–Dissertation: The dissertation will be a mandatory part of the two-year post-graduate program. The dissertation will generally be field-based, with each student hosted at one of the field partners who are a part of the faculty.

In addition to the M.Sc. programme, the WSP P.G. Diploma, a one year programme, is also open to students. Here, the students completing 2 semesters of course work (Semesters 1 and 2 or Semesters 2 and 3 or Semesters 1 and 3), satisfactorily, will be awarded a P.G. Diploma in Water Science and Policy.

Course Requirements



The course work is intense and multi-disciplinary. Support will be available for students requesting additional reading or analytical skills in the physical, natural or social science components of the course work.

In the first year (August 2021-May 2022) in Semester 1 and 2, the M.Sc. and P.G. Diploma students will complete 16 core courses, accounting for 16 credits in each semester. In the second year, Semester 3 involving field immersion of 16 credits and Semester 4 completing the dissertation of 16 credits, are compulsory for all M.Sc. students.

The P.G. Diploma students will do Semester 3 if they have chosen the practical learning in the field, with contextualised courses on the evolution and implementation of particular interventions, technological and institutional innovations involved, and practical learning about the solution visible, including lessons on outreach and scalability of the intervention.

Academic Life at SNU



All the M.Sc. and P.G. Diploma students will participate in C-PACT activities, supporting research in SHSS and C-PACT, and any other School or Department that ignites an academic interest in them. The students will participate and help organize a wide range of intellectual activities, like academic seminars, exhibitions, on-going research projects, library, publication and other outreach activities. The students are encouraged to participate in all intellectual and performing arts and sports activities promoted in the University.

The University focuses on Research in its broadest sense: basic and applied research, interdisciplinary research, scholarly publications and creative expression. Shiv Nadar University is a comprehensive, multidisciplinary, research-focused and student-centric University. Built on 286 acres, it has 5 schools. Music, sports, literary and cinematic engagements, arts and performing arts, are central to the extra-curricular activities in the university. What illuminates these activities is the co-evolution of the learning experience with these activities. For instance a jazz club that not only listens to and plays its all time favourites, but also discusses the history and evolution of each piece, innovations in style and rhythm in different performances, and shares in jamming sessions, the sheer joy of immersion and improvisation.

The students are from 27 States and UTs in India and selected through rigorous admission process. The student body reflects diversity in culture, talent and perspective. As a fully residential campus, Shiv Nadar University continuously provides learning avenues outside the classroom.

Courses

FOUR SEMESTERS of 16+16+16+16 CREDITS



SEMESTER 1

16 CREDITS

SEMESTER 1: BASIC CONCEPTS

Semester	Module	Course	Course Title	Weeks
1A	I	1	Water Cycle	4
		2	River Systems	
	II	3	Watersheds	4
		4	Aquifers	
1B	III	5	<u>Lakes and</u> Wetlands	4
		6	Water and Ecosystem Services	
	IV	7	Historical, Social, Institutional and Legal Dimensions I	4
		8	Historical, Social, Institutional and Legal Dimensions II	
			TOTAL	16

Courses



SEMESTER 2

16 CREDITS

SEMESTER 2: PROBLEMS AND APPLICATIONS

Semester	Module	Course	Course Title	Weeks
2A	V	1	Research Methodology	4
		2	India's Experience with Large Dams	
	VI	3	Research Methodology	4
		4	India's Groundwater: Problems and Solutions	
2B	VII	5	Issues in India's Water Policy	4
		6	Discrimination, Exclusion and Conflict	
	VIII	7	Urban and Industrial Water	4
		8	Climate Change and SDGs	
			TOTAL	16

Courses



SEMESTER 3

16 CREDITS: 4 out of 5 courses listed

SEMESTER 3: 21ST CENTURY SOLUTIONS IN WATER (FIELD-BASED)

No	Course Title (choose any 4)	Sequential - Weeks
1	Watershed Management	4
2	Sustainable Groundwater Management	4
3	Participatory Irrigation Management	4
4	Sustainable Agriculture	4
5	Rural Drinking Water and Sanitation	4

Courses



SEMESTER 4

DISSERTATION

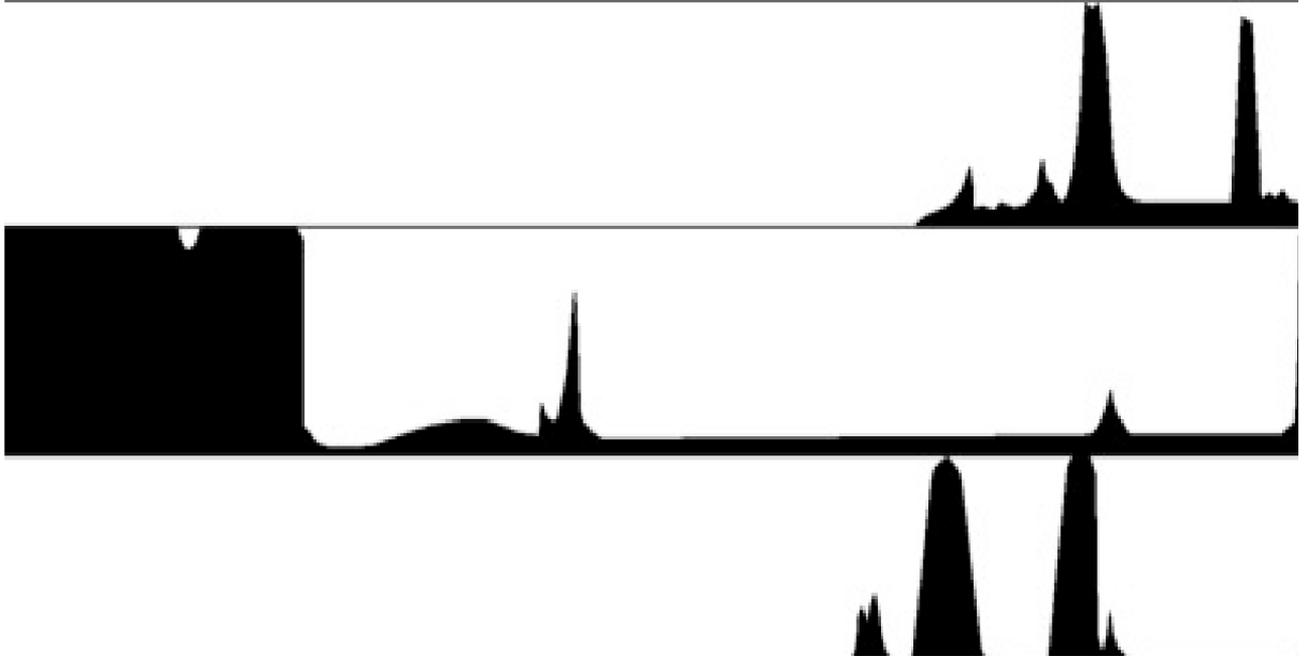
16 CREDITS

Students spend time developing a research question, analyzing, and writing a thesis. Students are encouraged to combine empirical evidence that they have gathered from their field-work experiences with the conceptual tools that they have learnt from the course work, readings and class-room engagements.

The dissertation topic can range from questions about how we know water through the natural and social science disciplines and other forms of knowledge, to questions about how we make decisions about water. These in turn may analyse what we do with water as users in the government, consumers, local urban bodies, industry or farmers, and how we make these decisions, policies and programs, technologies, norms and regulations to use or conserve water.

Fee Structure

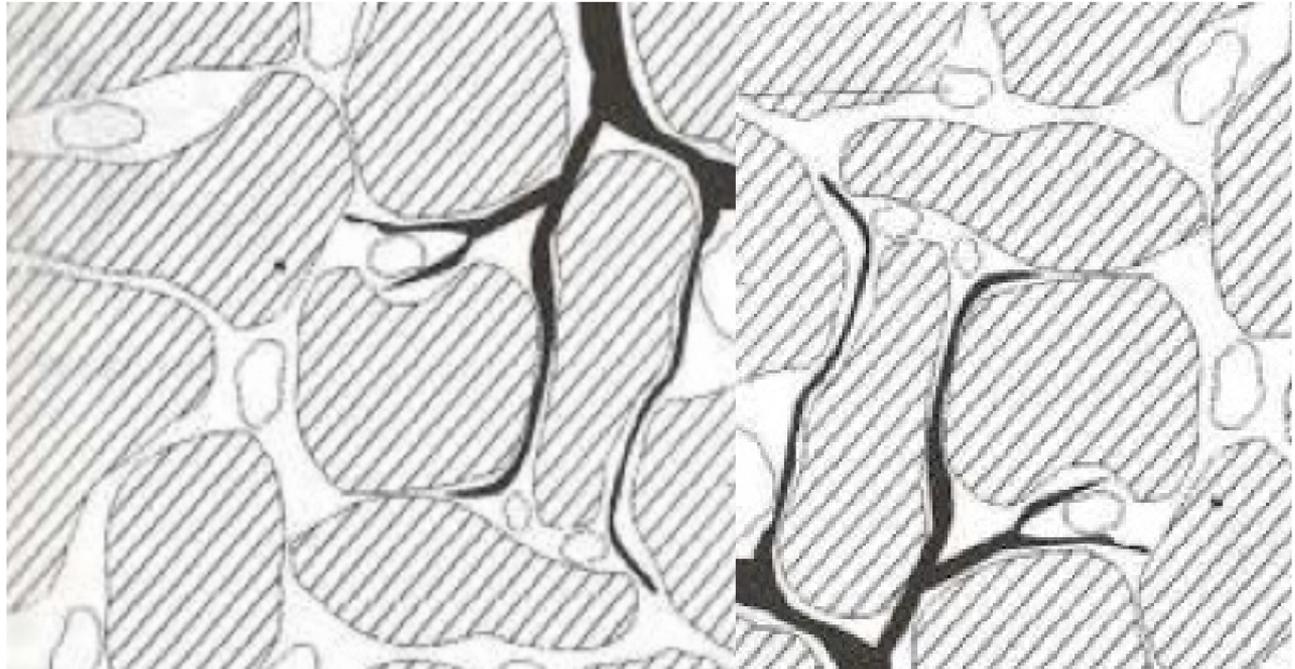
Scholarships will be available for deserving candidates



Fees for the M.Sc. Program (all figures in INR) - 2021-23

Academic Fees			
	Year 1	Year 2	Total Payable
Tuition Fees - Actual	₹ 1,00,000	₹ 1,00,000	₹ 2,00,000
After 75% Waiver	₹ 25,000	₹ 25,000	₹ 50,000
Hostel Fees			
	Year 1	Year 2	Total Payable
Hostel Fees	₹ 1,10,000	₹ 1,10,000	₹ 2,20,000
After 25% waiver	₹ 82,500	₹ 82,500	₹ 1,65,000
Refundable Security Deposit			
Security Deposit	₹ 25,000		
Other Fees			
One Time Admission Fees	₹ 25,000		

Fee Structure



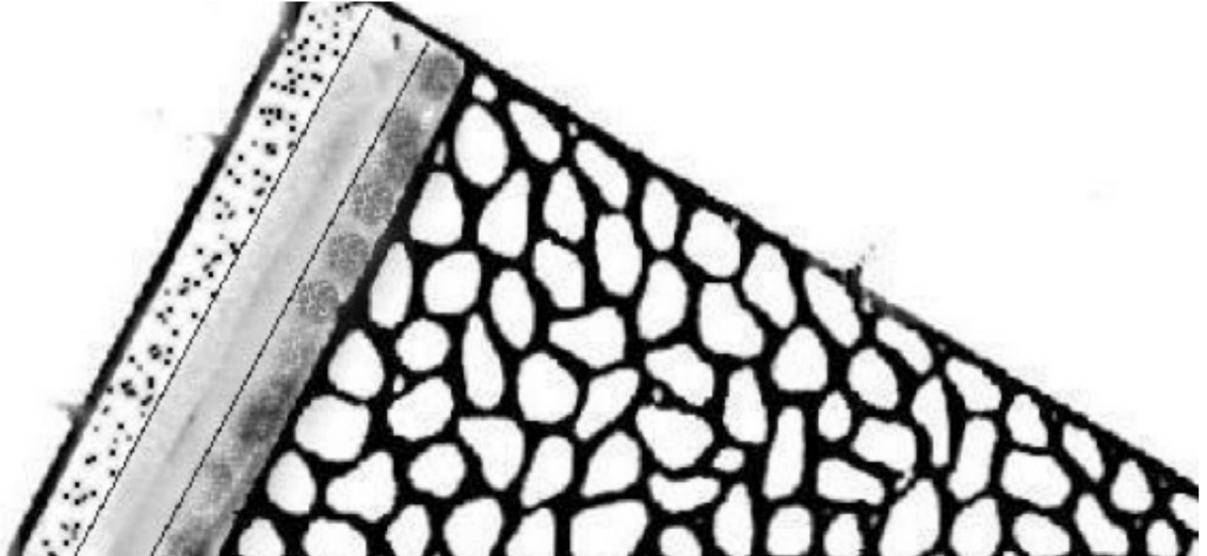
Fees for the M.Sc. Program–Note:

1. Tuition Fee Waiver is for 4 semesters only.
2. Failure to maintain a CGPA of 7.00 at the end of second semester will result in loss of tuition fee waiver for the rest of the program (i.e. 3rd and 4th Semesters). Tuition fee waiver once lost, will not be restored.
3. Tuition Fee Waiver is not applicable for Sponsored Candidates
4. All charges are payable at the beginning of the Academic Year as per schedule announced separately
5. The program requires all the students to spend 4 months in the 3rd Semester on fieldwork. The University has tie ups with competent organizations across India. These organizations have requisite technical and practical competencies and they will facilitate the field trip. The living expenses during field trip will be borne by the student. The field expenses are expected to be approximately Rs 80,000 per person but it may vary as per the actual expenses made by the students.
6. The use of mess and laundry services from the University authorized vendor is mandatory for all students. Advances for Mess and Laundry are Rs 27,500 and Rs 2,100 per semester, respectively. These charges are subject to change and shall be communicated by Dean-Student Affairs. Food and Laundry Charges not applicable for 3rd semester.
7. Security deposit is refunded on Graduation after deduction of any recoveries.

Fee Structure

P.G. DIPLOMA IN WATER SCIENCE AND POLICY (32 credits)

For all the courses listed in SEMESTERS 1 and 2 or SEMESTERS 2 and 3 or SEMESTERS 1 and 3



Fees for the P.G. Diploma Program (all figures in INR)

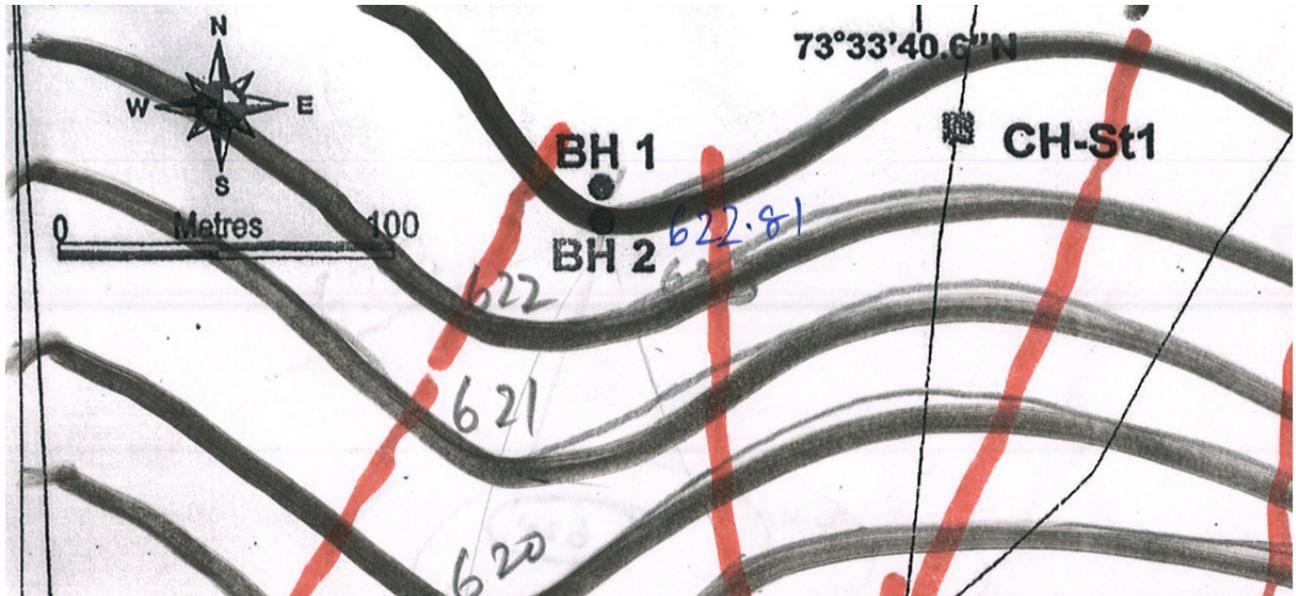
Academic Fees	
	Full Program
Tuition Fees - Actual	₹ 1,00,000
After 75% Waiver	₹ 25,000
Hostel Fees	
	Year 1
Hostel Fees	₹ 1,10,000
Refundable Security Deposit	
Security Deposit	₹ 25,000
Other Fees	
One Time Admission Fees	₹ 25,000

Fees for the P.G. Diploma Program–Note:

1. Tuition Fee Waiver is for 2 semesters only
2. Tuition Fee Waiver not applicable for Sponsored Candidates
3. All charges are payable at the beginning of the program as per schedule announced separately
4. The use of mess and laundry services from the University authorized vendor is mandatory for all students. Advances for Mess and Laundry are Rs 27,500 and Rs 2,100 per semester, respectively. These charges are subject to change and shall be communicated by Dean-Student Welfare.
5. Security deposit is refunded on Graduation after deduction of any recoveries.

Fee Structure

Fees for One Month Certificate Program



Fees Plan 1: Fees for Certificate program is Rs 61,360 (Rs 52,000 + 18 % GST for a Module.

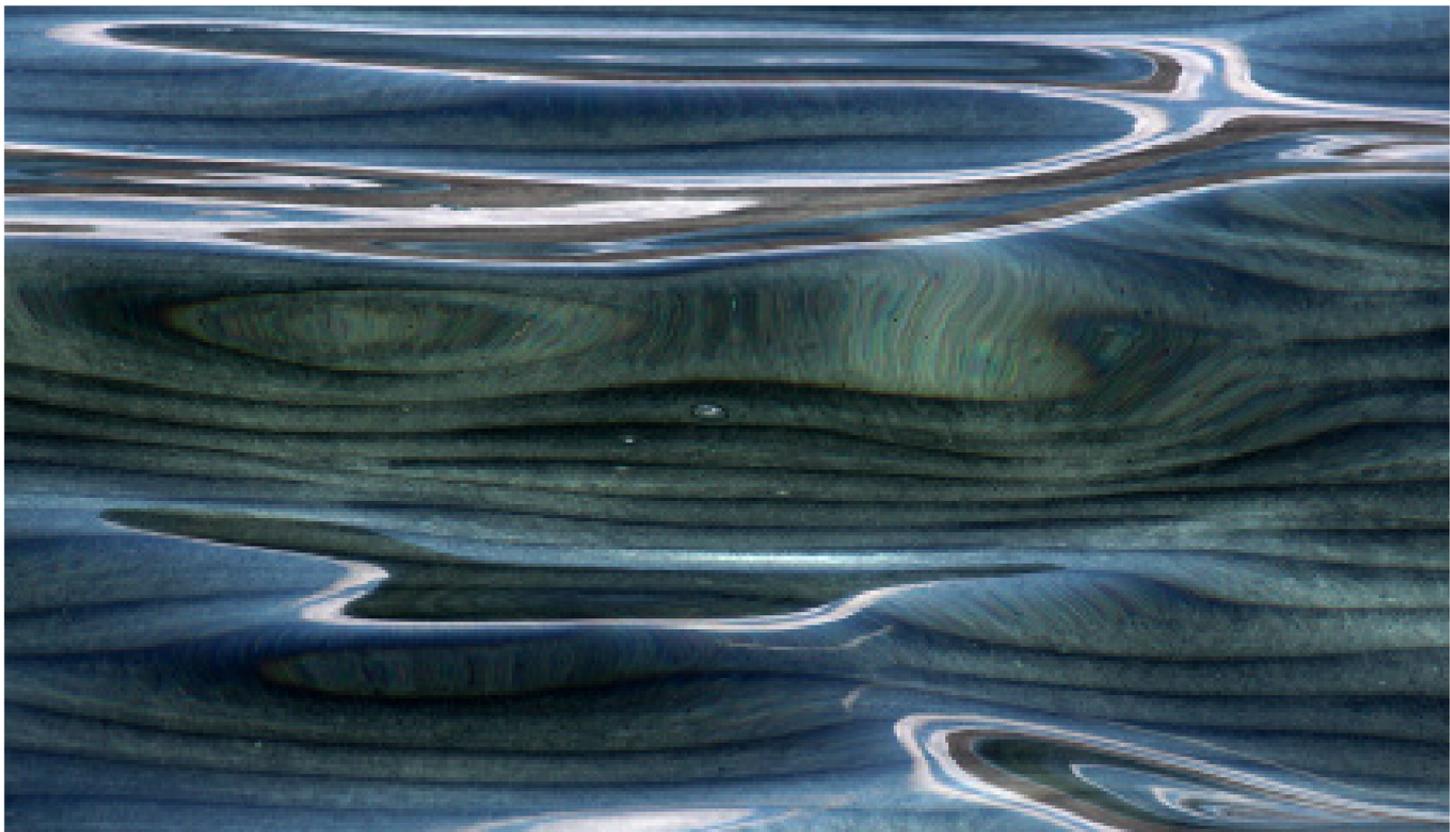
Under Plan 1: Accommodation will be provided at the Visitors Hostel (Guest House) in single AC room with attached toilet

Fees Plan 2: Fees for the Certificate program is Rs 41,300 (Rs 35,000 + 18 % GST) for a Module.

Under Plan 2: Accommodation will be provided at the Students Hostel in twin sharing room with shared toilet.

Note:

1. Each Certificate program will run for 4 weeks, starting on Monday and ending on Friday.
2. Food and Laundry charges to be paid separately, on actual basis.
3. This program is strictly residential.



Eligibility

C-PACT and SHSS invite applications for the M.Sc., P.G. Diploma, and Certificate courses starting August 2021. The SNU Water Science and Policy program is open to candidates within India and abroad. For the M.Sc. program, and the P.G. Diploma program, the minimum qualification required is a B.Sc./ B.A. /B.Tech. or equivalent under-graduate degree.

Application Fees

Applicants will be required to pay a non-refundable application fees of Rs. 1,200 (One Thousand Two Hundred Only) by credit/debit card or Demand Draft drawn in favor of Shiv Nadar University payable at NOIDA. Candidates may note that the University reserves the right to accept or reject any application based on its departmental screening criteria, hence all applicants may not be shortlisted for the interview. Therefore, no requests for refund of the application fee shall be entertained whether or not the candidates are called for the interview.

Application Instructions



All interested applicants shall apply online. Please follow the instructions carefully

- Fill all the mandatory fields given in the online application form: cpact.snu.edu.in
- Choose one option – the M.Sc. Program or the P.G. Diploma Program
- Applicants for the P.G.Diploma course must specify the semesters for which they seek admission.
- Applicants for the Certificate programs must specify the module and month for which they seek admission.

Online upload of the following documents are required:

- Passport size color photograph
- Current CV
- All Mark sheets/Degree Certificates (10th Standard onwards)
- Standardized Examination certificate- CSIR, UGC, GATE etc. (If applicable)
- A Statement of Purpose (1500 words)–stating why you are interested in this Program, your strengths as a student for this multi-disciplinary program, what you expect to gain from it, and your future career plans.
- The application fee can be paid online or a Demand Draft can be sent to the University. All the applicants to the M.Sc. and P.G. Diploma courses must send the hard copy of the application to SNU, after completing the online application.

Submission and Contact



After online submission, print the completed form and send by speed post to the University at the address given below with following document (You may add additional documents if required).

- Completed form
- Demand Draft for application fee (If online fee payment mode is not used)

Please note that the application is not deemed complete until we receive all the necessary prescribed documents and application fees.

Address for sending in hard copy of the application via speed post:

Mr. Prashant Shishodia

B-022, C-PACT

Shiv Nadar University

NH-91, Tehsil Dadri, District Gautam Buddha Nagar,

UP 201314

India.

For further queries, please write to waterprog@snu.edu.in

Selection Process: M.Sc. & P. G. Diploma



After the screening of applications based on the minimum qualifications, all eligible candidates will be shortlisted. They will be invited to an interview. International candidates will be interviewed online.

Stage one involves screening of received applications for completeness, accuracy and authenticity. Screening is done to ensure that the applicant has met the minimum eligibility criteria for applying and that an application is complete in all respects, including the Statement of Purpose (SoP). Applications that are found to be incomplete are rejected at this stage.

Stage two consists of an interview. Those applicants whose applications pass the first stage are invited to appear before the C-PACT Selection Committee for an interview.

The marked components are 20 marks for the SoP, and 30 marks for the interview.

Stage three involves evaluation of the SoP and interview performance, creation of a merit list, and declaration of result.

The interview (30 marks) will involve conversations about the candidate's academic trajectory, domain knowledge, and academic or practice ideas as articulated in the Statement of Purpose. The domain knowledge will cover select themes and issues in water science and policy, such as: Water Policy; Governance and management issues; Water Cycle; Rivers and river basins; Watersheds; Groundwater/Aquifers; International and national water issues; Water and the environment; Climate change; Agriculture; Urban and industrial water; Water in history and politics.

Key Dates



Publication of advertisement: 9 March 2021

Last for applying online: 17 June 2021

Intimation to shortlisted candidates: 30 June 2021

Interview for shortlisted candidates: 10 July 2021

Intimation to selected candidates: 15 July 2021

Acceptance of offer by selected candidates: 22 July 2021

Coursework commencement: late July/early August 2021

Key Outcomes



- Water professionals with multidisciplinary knowledge and skills.
- Perspectives derived from international experiences blended with the local water context.
- Adept in theoretical and empirical analysis, policy intelligence and policy processes
- Skilled human resource ready to effectively contribute to the water sector through their work in government, civil society, industry, and communities.



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