

[Post-doc position – Mathematics]

Location	Sonipat, Haryana (Delhi-NCR)
Department	Mathematics department
Reports To	Kumarjit Saha, Associate Professor, Mathematics department
Role Type	Post-doc position
Experience	Ph.D. in Mathematics, area of research: probability

ABOUT THE ROLE

This is a postdoctoral position funded by the CEFIPRA Indo-french collaborative research grant. The selected candidate will work on cutting edge research problems in the area of “directed random networks and their scaling limits” with a team of Indian and French researchers consisting of the following four:

- Kumarjit Saha, Assistant Professor, Ashoka University, Indian PI
- Anish Sarkar, Professor, Indian Statistical Institute Delhi Centre
- David Coupier, Professor, Institute of Mines Telecom Nord Europe (Lille), French PI
- Viet Chi Tran, Professor, University Gustave Eiffel (Paris).

Initially the contract will be for six months.

ROLES AND RESPONSIBILITIES

- The postdoc is expected to work in the research project “Understanding scaling limit(s) of modifications of drainage networks”.
- This involves working with a team of Indo-French research collaborators under the proposed theme.
- The candidate should be willing to explore and study related literature, broadly in the area of Brownian web and its variants.
- The candidate should be willing to take part actively in research discussions and group meetings as and when applicable.

WHAT WE ARE LOOKING FOR

Qualifications

- Ph.D. in mathematics
- Prior research experience in probability
- Candidates who have submitted their thesis and are awaiting their degree may also apply.

Who You Are

- Research-oriented: You are intellectually curious and motivated to pursue high-quality, rigorous research, with the ability to independently plan, execute, and analyse research projects.
- Collaborative: You work effectively with faculty, researchers, students, and other stakeholders, and can communicate complex scientific ideas clearly in both written and verbal formats.
- Proactive and problem-solving: You take ownership of your research, anticipate challenges, and approach problems with creativity, persistence, and a solution-oriented mindset.
- Rigorous and detail-oriented: You maintain high standards of scientific integrity and attention to detail in experimental design, data collection, analysis, documentation, and interpretation.

- Growth mindset: You are open to learning new methodologies, tools, and approaches, and actively seek opportunities to expand your research skills and contribute to the broader research community.
- Context fit: You are comfortable working in a dynamic, interdisciplinary academic environment, can manage competing research priorities, and are able to work independently while seeking guidance when needed.

Application process: Please submit your resume along with the cover letter to Kumarjit Saha <kumarjit.saha@ashoka.edu.in>. The last date for receiving applications is September 15, 2026. Please mention “Post-doc position” in the subject line of the email.

ABOUT ASHOKA UNIVERSITY

Ashoka University is India's premier interdisciplinary higher education and research-focused institution, offering world-class opportunities in the natural sciences, social sciences, and humanities. Established in 2014 by leaders, thinkers, academics, and philanthropists from diverse fields, it operates on a unique model of collective philanthropy, integrating exemplary governance standards with cutting-edge pedagogy and a faculty body of international acclaim.

Today, the University has a community of 3000+ students and operates seven Schools imparting industry-oriented education, professional skills, and values-based learning to prepare students for global careers. The University espouses principles of inclusivity and diversity, having more than 57% women, 4% international scholars, 100+ students with disabilities, and over 47% students on scholarships. Since its inception, Rs 723 crores have been awarded in scholarships with over 2,000 students receiving full-tuition fee waivers cumulatively and 5400+ students being supported through scholarships. In addition, nearly 5500 of Ashoka's alumni are pursuing careers of their choice in reputed organisations and leading universities across the world.

Ashoka University continues to reaffirm its commitment to building an inclusive institution of excellence in teaching and research, nurturing responsible leaders for India and the world. In 2025, Ashoka University was honoured with the 'University of the Year (Emerging)' award at the 20th FICCI Higher Education Summit 2025 - one of India's notable industry platforms celebrating excellence in academia and innovation. The University also secured the first position in the Indian Institutional Ranking Framework (IIRF) 2025 in two prestigious categories.

The Ashoka advantage will continue to equip its students with the skills to see the big picture - to critically analyse, question, interpret, craft compelling arguments, and find sustainable solutions. It is a collective effort towards nation-building. This is where tomorrow's leaders are born.

Check out the Ashoka Website to know more : <https://www.ashoka.edu.in/>
