

Faculty positions open at Atria University, Bengaluru

Name of Subject: Mathematics

About the University:

Atria University is innovating an education framework focused on empowering students to “Learn how to Learn”, combining interdisciplinarity, project based learning and innovative pedagogies towards making the problem solvers of tomorrow. We are accepting our first class of students in October, 2021, at the heart of Bengaluru, India - a vibrant metropolis and hub of research, technology, art and enterprise in India. Courses will be 1-3 week full-time immersive modules, with students working on fundamentals in the context of real-world problems. Students take courses sequentially, completing an entire course before moving on to the next one. First year courses will be common to all incoming students and will emphasize foundational skills in ethics, inquiry, mathematics, physics, chemistry, biology and computation, to prepare the students to choose and specialize in the majors of their choice after the first year.

We are seeking faculty to teach courses in basic mathematics for the foundational year program. These courses will involve teaching the following topics in an activity-driven or project based manner-

Basic topics - an intuition of calculus; certainty, uncertainty and the concept of proof in mathematics; the role of algorithmic thinking in mathematics; an intuition of probability and statistical thinking
Advanced topics - symbolic computation in algebra and calculus; approximating complex functions; probability, causality and real life applications; basic hypothesis testing in statistics.

Faculty will also have the opportunity to teach more advanced courses in year 2 onwards, and to devise interdisciplinary and transdisciplinary course offerings combining learning goals from other fields.

We seek applicants with a strong grounding in technology, an appreciation for real-world applications in engineering and applied sciences, and hands-on learning

Apply here if you are excited by –

- Student centered teaching - We will combine the best of traditional teaching methods with the new where they exist and innovate where they don't, in order to enable the best learning for our students.
- Institution building - Being part of the founding team, you will be setting in place a culture of innovative pedagogy and developing projects for students to learn concepts in context.
- Interdisciplinarity - Faculty will be facilitated and encouraged to work together in developing teaching modules, projects and courses that engage

Work expectations:

70% of time: Design and teach undergraduate courses in collaboration with other faculty

20% of time: Conduct original research

10% of time: Commit to University service

Location: Close to a major highway in the northern part of **Bengaluru, India**, Atria University is a short distance from major centres of research and excellence such as the Indian Institute of Science, the National Center for Biological Sciences, the Raman Research Institute, the Central Power Research Institute, the Srishti School of Design. We have easy access to the airport, train stations and public transit.

Qualifications:

Required Qualifications-

- Masters or equivalent postgraduate degree in a relevant field. PhD is preferred
- Undergraduate level teaching and/or mentoring experience
- Demonstrated passion and commitment to student-centered teaching
- Capacity/experience for working with unconventional pedagogies
- Real-world design, engineering consulting/ industrial experience is valued
- Demonstrated interest in Mathematics
- Desire to conduct active research/consulting/performance in addition to teaching in your chosen field

Desired Qualifications-

- Interdisciplinary teaching/learning
- Curriculum development and design experience
- Student-centered learning
- Experience in integrative learning environments
- Experience in leading learning programs

Please note, we welcome PhD students in their final year of completion

Core Competencies:

We seek candidates who embrace experiential and hands-on learning and want to be a part of this exciting shift in higher education. We value innovation and collaboration in our faculty and staff, offering them resources and support.

We seek candidates with interesting life experiences and unique viewpoints. We are an inclusive university that values individuals from a wide range of personal, cultural and professional backgrounds, skills, and talents.

When considering candidates, we look for indicators of a number of main competencies, including being inclusive, respectful, collaborative, sustainable, and goal oriented. Successful candidates demonstrate leadership, communicate effectively, display integrity and concern for ethics, value personal and professional development, take initiative and exhibit that they will engage in the growth and development of the university.

Compensation:

Compensation is commensurate with experience. Hired faculty are entitled to assistance for relocation. Our dedicated administrators are here to answer questions related to taxation, visa, transportation, childcare, and accommodations.

Application Process:

Step 1: Fill the quick expression of interest form at this link <https://www.atriauniversity.org/faculty-positions/>

Step 2: Fill in the two part application form that you download from our website

Please respond to the questions in Part 1 within the next 3 days of your form submission , and send it to us with your CV. We will then schedule a call with you and a member of our academic team within a week of receiving Part 1, to share our vision and clarify any questions that you may have. This is not a technical interview.

Step 3: Post the call, we invite you to complete part 2 of the application which needs to be filled within a week. If your application is shortlisted, we will get in touch with you regarding the next steps of the interview.

Step 4: Expert interview, a technical interview in your applied field. If you are an interdisciplinary scholar, this might be 2-3 interviews with various experts.

Step 5: Active Learning Demonstration

Step 6: Interview with our management

Step 7: HR Procedure

We also request that you arrange to send a minimum of two letters of recommendation. These letters have to be emailed directly to facultyhiring@atria.edu with the subject line [Reference - <Your Name> for faculty position]. Please solicit at least one from a colleague/peer/team member and one from a supervisor/mentor. You can submit the reference letter post you submit part-2 of the application.

If you need assistance or have queries, feel free to respond to this email as well. We are happy to answer your queries.

For more details and to apply please visit [atriauniversity.org/faculty-positions/](https://www.atriauniversity.org/faculty-positions/)

For any queries, please contact us on facultyhiring@atria.edu