

## Faculties profile

**Sayali Tamane:** Sayali has an engineering degree from the Pune Institute of Computer Technology and a Masters in EdTech from the University of British Columbia. She has more than 15 years of experience in facilitation, curriculum development and training teachers and educators. She has also served as a member of the committee for textbook development for the Maharashtra State Board of Education. She has also collaborated with the Maharashtra State Education and Research Council (MSCERT) on developing a hybrid program for teacher training which was rolled out to 40,000 high school teachers. She has worked as an academic consultant for multiple schools and organisations across Maharashtra, Bharat Vidyalay (Wai), Urja Gurukul (Ahmednagar), Sondara Gurukulam (Beed), Mil ke Chalo Association (Amalner), Melghat Mitra (Amravati), to name a few. She is part of the ThinQ collective which focuses on developing the capabilities for deep understanding of concepts, inquiry, critical and transdisciplinary thinking in students. She is passionate about helping students from marginalized communities develop the aforementioned abilities. Sayali is an expert in developing scientific temperament and research aptitude in people of all ages.

**Rashmi:** Rashmi was trained as a biologist and pursued research in Neuroscience at NCBS, Bangalore. She later got interested in school education and the neuroscience of how we learn. Rashmi worked as a curriculum and program developer at Agastya International Foundation, an NGO working in the space of hands-on science education for underprivileged children in rural India. She believes that her association with ThinQ was a transformative experience for her as it helped her overcome fear and insecurity associated with open exploration and begin to see learning as an exciting journey. She has also taught middle and high school science at Farm Hill Learning, Krishnagiri, where she has tried to incorporate inquiry and critical thinking into her teaching practice.

**Nikhil Kulkarni:** Nikhil is a Tata scholar at Cornell University, studying Computer Science and Operations Research Engineering. He was a recipient of the prestigious The Spirit of Ramanujan Fellowship in 2021 from University of Virginia. He has worked on original research in biostatistics and data analysis, and also presented expository papers at Chennai Mathematical Institute. He has been part of various camps organized by Raising a Mathematician (RAM) Foundation since 2021, and has also been a teaching assistant for Epsilon India and Program for Algorithmic and Combinatorial Thinking (PACT) that happens at Princeton University. He loves working with school students who are curious about Mathematics, Science and allied areas.

**Shreya Walavalkar:** Having completed her Masters in Material Science, Shreya is about to pursue Master of Engineering in Material Science and Engineering at UC Berkely. She has received student awards and meritorious scholarships for excelling in her batch. She has also been involved with Raising A Mathematician Foundation as a student, volunteer, and teacher assistant. Recently, she completed a 4-month internship at Bhabha Atomic Research Center in Nuclear Physics under the guidance of highly experienced and amazing scientists. Shreya is deeply interested in research-oriented learning. She loves exploring concepts and phenomena in depth and keeps experimenting with whatever is possible. She believes that every student

is an inquisitive and budding scientist- if the method of teaching involves experiential learning coupled with scientific temperament.

**Sanvi Gupta:** Sanvi is currently pursuing an undergraduate degree in BTech Mechatronics engineering (an interdisciplinary degree combining mechanical, electrical, electronics and computer science engineering) at MIT Manipal. Sanvi completed her high school with PCM and economics as her primary subjects where she also started a club for space enthusiasts. She is an alumna of science and research camps such as YIPs (Intl Youth in Physics) and IASC Asteroid Search Camp in collaboration with ISRO and NASA. Some of her achievements include podiums at competitions such as INSSDC, Aeross National, BL4S CERN, CSO and Techfests working majorly with but not exclusive to space settlement, rocket and drone design. Sanvi worked with RAM for the first time as a teaching assistant at Math.Biz Camp. She is currently exploring student projects that work with solar transportation, defense technology and underwater navigation and is always thrilled to share her passions