



# Mathematics & Mathematics Education Seminar



25 FEBRUARY 2026 (WED)

1.30 to 2.30 pm



MATH JOURNAL ROOM

NIE7-03-16

## Culturally Inclusive Noticing: Comparing Geometry and Teaching Discourses of the Preservice Teachers from India and Sweden

How does cultural background shape what a teacher notices in a mathematics classroom? This talk presents findings from a cross-cultural study involving pre-service teachers (PSTs) from India and Sweden. Using a Japanese geometry video vignette as a common “unfamiliar” stimulus, the study explores how familiar mathematics and teaching discourses influence teacher noticing. The analysis shows that familiarity with specific mathematical content, such as geometric reasoning, facilitates more detailed noticing of Japanese students’ mathematical thinking, while encounters with unfamiliar teaching strategies create powerful opportunities for reflection on one’s own assumptions. The talk will discuss the implications of these findings for mathematics teacher education, particularly the value of using “unfamiliar” classroom examples to surface and challenge taken-for-granted cultural practices in teaching and learning.



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## Speaker’s Biography

Harita Raval is a doctoral researcher in the ReMath research school at Stockholm University, Sweden. Her research focuses on culturally inclusive approaches to teacher noticing in mathematics teacher education, with a particular emphasis on comparing the teaching and learning practices of pre-service teachers in India and Sweden. After completing her master’s degree in mathematics in 2011, she worked as a secondary mathematics teacher in schools under the Ministry of Education and later as a Scientific Assistant at the Homi Bhabha Centre for Science Education (HBCSE), TIFR, from 2015. In these roles, she collaborated with schools, teachers, and teacher educators across several Indian states, contributing to the development of mathematics laboratories in schools and the design of teaching-learning materials for both in-service and pre-service teachers. She is currently a visiting researcher at the National Institute of Education (NIE), Singapore.