



**Theoretical Statistics and Mathematics Unit, Kolkata**  
**INDIAN STATISTICAL INSTITUTE**

**SEMINAR**

**Date: February 10, 2026**

**Time: 03:00 PM**

**VENUE:**

**L- 1**

**(3<sup>rd</sup> Floor, A.N. Kolmogorov Bhavan), ISI Kolkata**

**TITLE:**

**Lecture-2: Perfectoid Spaces and Direct Summand Conjecture**

**SPEAKER:**

**Om Sai**

ISI Kolkata

**ABSTRACT:**

*We will continue our discussion on Almost Mathematics. I will start by discussing the proof of the adjunction discussed at the end of the first lecture. After that, I shall discuss about commutative algebra objects in the almost category and then move on to talk about almost versions of flat, projective, finitely generated (presented) and etale algebras.*

*<https://arxiv.org/pdf/math/0201175>*

**ALL ARE CORDIALLY INVITED**