



INDIAN STATISTICAL INSTITUTE
Theoretical Statistics and Mathematics Unit, Kolkata

SEMINAR

Date: November 25, 2022, Friday
Time: 04:15 PM

VENUE:

L- 2

(4th Floor, A.N. Kolmogorov Bhavan), ISI Kolkata

TITLE:

**A CRITERION FOR SPLITTING OF A PROJECTIVE MODULE IN
TERMS OF ITS GENERIC SECTIONS**

SPEAKER:

Subarna Mondal
Stat-Math Unit, ISI Kolkata

ABSTRACT:

Let R be a smooth affine domain of dimension $d \geq 3$ over algebraic closure of F_p when p is not 2. Let P be a projective R -module of rank $d - 1$ with trivial determinant. We prove that P splits off a free summand of rank one if and only if P surjects onto a complete intersection ideal of height $d - 1$.

ALL ARE CORDIALLY INVITED