



**S N BOSE NATIONAL CENTRE
FOR BASIC SCIENCES**

Block JD, Sector III, Salt Lake, Kolkata 700 106

DEPARTMENTAL SEMINAR

Theoretical Sciences

21st JUNE, 2022

4.00PM

ONLINE / FERMION

SPEAKER



Dr. SHRADDHA MISHRA,
Assistant Professor: IIT, BHU

TITLE OF THE TALK

Role of intrinsic and extrinsic inhomogeneities in active systems

ABSTRACT

In this talk we will explore the effect of both extrinsic and intrinsic inhomogeneities in collection of self-propelled particles. Inhomogeneities or disorder can affect the collective behaviour of self-propelled particles in positive as well as negative manner.

In some cases extrinsic inhomogeneity disturb the ordering on the other hand intrinsic inhomogeneity can increase the information transfer in moving flock.

HOST FACULTY

Prof. Punyabrata Pradhan
DEPT. OF THEORETICAL SCIENCES
