

Seminar Title	: Characterization of the family of lines meeting a Hermitian variety of $PG(3, q^2)$ in $q + 1$ point
Speaker	: Stuti Mohanty ( Rollno : 521ma6014)
Supervisor	: Dr. Bikramaditya Sahu
Venue	: Seminar Room (Department of Mathematics)
Date and Time	: 26 Sep 2024 (05:00 pm)
Abstract	: The study of characterization of subspaces defined with respect to a quadric has been a topic of interest in the field of finite geometry. Hermitian varieties, defined over finite fields, are of great interest to study because of their special algebraic and geometric features. This seminar presents an intricate characterization of secant lines associated with a Hermitian variety in the projective space $PG(3, q^2)$ , by examining their intersection properties with both points and planes.