



ICTS Postdoc/Graduate Student Seminar

Title : Certain curves, minimal surfaces, statistical and finite type of submanifolds.

Speaker : Mohamd Saleem Lone, International Centre for Theoretical Sciences, Bangalore

Date : Tuesday, February 4, 2020

Time : 11:00 AM

Venue : Chern Lecture Hall, ICTS Campus, Bangalore

Abstract : Firstly, I will explain geometric invariant properties of some special curves lying on smooth immersed surfaces under isometric (or conformal) transformations. (2) A submanifold is said to be of finite type if its position vector admits a finite spectral decomposition. These include an important class of all minimal submanifolds of Euclidean spaces. In this connection, I will explain certain existence and non-existence results (3) Various relations between Ramanujan identities and minimal surfaces will be explained, and lastly if the time permits, I will present some inequalities for statistical manifolds.