



INDIAN STATISTICAL INSTITUTE

Theoretical Statistics and Mathematics Unit, Kolkata

LECTURE

Date: June 15, 2023, Thursday
Time: 12:00 Noon

VENUE:

L-1

(3rd Floor, A.N. Kolmogorov Bhavan), ISI Kolkata

TITLE:

A proof of structure theorem for unital finite dimensional C^* -algebras.

SPEAKER:

Utsabraaj Sarkar

Stat-Math Unit, ISI Kolkata

ABSTRACT:

In this seminar we are going to give a proof of structure theorem of unital finite dimensional C^ -algebras. We will use basic representation theory and Von-Neumann double commutant theorem to prove that all unital finite dimensional C^* -algebras are $*$ -isomorphic with direct sum of matrix algebras in a "unique" way, thus characterising all unital finite dimensional C^* -algebras.*

ALL ARE CORDIALLY INVITED