

B.K. Birla College, Kalyan

(Empowered Autonomous Status)

Department of Mathematics

&

Science Association

organises

Theorem A Month

A seminar series for UG and PG students

Open Mapping Theorem of Functional Analysis

By

Dr. Akshay Rane

(UGC Assistant Professor)

ICT Mumbai

Abstract

The open mapping theorem is a fundamental theorem in functional analysis that provides a strong connection between continuous linear operators and the structure of open sets in Banach spaces. The theorem asserts that under certain conditions, a continuous linear operator between Banach spaces not only preserves the openness of sets. Specifically, it tells us that surjective continuous linear maps between Banach spaces are open maps; they map open sets in the domain to open sets in the codomain.

- ✓ Date: 20th September, 2025
- ✓ Time: 11.45 AM to 12.45 PM
- ✓ Venue: NR – 123
- ✓ Registration is mandatory



Scan/click the QR code to register: