**SRM UNIVERSITY AP**
——Andhra Pradesh

**DEPARTMENT OF MATHEMATICS**

# FACULTY DEVELOPMENT PROGRAMME

# Algebra, Analysis, and Number Theory

## DECEMBER 16-20, 2024

## ONLINE MODE

### About SRM University-AP

SRM University-*AP*, Andhra Pradesh, is a new-age multi-disciplinary, research-intensive institute combining academic rigour, an evolving research ecosystem, entrepreneurial heritage, and pioneering faculty. As a leading tertiary education institution, SRM University-AP has been challenging the conventional learning ecosystem since its inception to create a novel avenue where passion for wisdom meets purpose and excellence. The university strives to be globally connected, nationally relevant, and regionally transformative, honing the country's higher education standard.
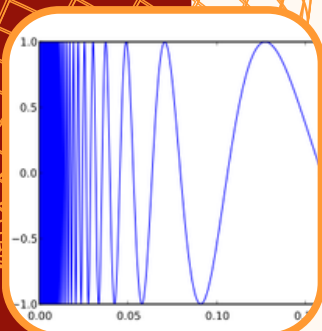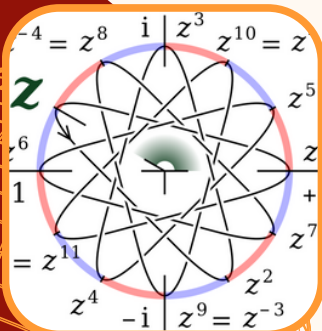
### About the Department

The Department of Mathematics strives to create future powerhouses through pure and applied mathematics learning and cutting-edge interdisciplinary scientific research. It is a vibrant community where curiosity, creativity, and critical thinking converge. The department's commitment to educational excellence is demonstrated through its expert faculty, advanced seminars, research opportunities, and a supportive learning environment encouraging exploration and discovery. The Department is also committed to building on the solid foundations of mathematics through research and interdisciplinary collaboration.

### About the FDP

The Faculty Development Programme aims to enhance the pedagogical skills required for teaching mathematics at the tertiary level of education. An extensive range of topics from Algebra, Analysis, and Number Theory will be covered and discussed by the expert faculty of SRM University-*AP*, familiarising participants from other disciplines with various areas of mathematics.

## RESOURCE PERSONS

**Prof. V Kannan**
Professor
Department of Mathematics

**Prof. Kalyan Chakraborty**
Professor and Head
Department of Mathematics

**Dr Repaka Subha Sandeep**
Assistant Professor
Department of Mathematics

## MAIN COURSE CONTENTS

**Algebra:** ✓
Structure of Cyclic Groups, Lagrange's Theorem and Sylow Theorems

**Analysis:** ✓
Bolzano-Weierstrass Theorem, Intermediate Value Theorem and Heine Borel Theorem

**Number Theory:** ✓
Plane Curves, Rational Points and Elliptic Curves

## TARGET AUDIENCE

College/University Teachers, Research Scholars, UG & PG Students

## REGISTRATION

Last Date to Register

▶ **December 14, 2024**

**Registration Link:** https://bit.ly/fdp-mathematics

## PROGRAMME COMMITTEE

**Convenor** - Dr Sandeep Kumar Verma
**Co-convenor** - Dr Radhakrishnan M
**Co-convenor** - Dr Gaanutula Damodar Reddy

## ORGANISING COMMITTEE

Department of Mathematics, SRM University-*AP*, Andhra Pradesh
**For more details**, contact- mat.office@srmap.edu.in