



## AUXILIUM COLLEGE (Autonomous)

(Accredited by NAAC with A<sup>+</sup> Grade in the 4<sup>th</sup> cycle)

Gandhi Nagar, Vellore – 632 006, Tamil Nadu, India

### PG & Research Department of Mathematics

Offers

### VALUE ADDED COURSE

on

### APPLICATIONS OF DATA ANALYTICS

(Course Code: VACMAAD25)



**Semester: Odd Semester**

**2025 - 2026**

#### Course Objectives:

- To develop the skills necessary for practicing Data Science, including bivariate and multivariate techniques, real-time projects, and case studies.
- To deepen students' understanding of methods for collecting, analyzing, and summarizing data relevant to solving data-related problems, augmented with lectures, research notes, and additional case studies.
- To enhance students' proficiency in the R programming language and train them in the R software environment for statistical computing and graphics, developed by the R Foundation.

#### Course Outcomes:

The Learners will be able to

- Build their career in Data Science and related fields.
- Work as freelancers by undertaking Data Analysis and Data Science projects.
- Develop skills in R Programming using an interactive environment.
- Design and implement simple sorting algorithms.

#### Topics Covered:

- Data Science Introduction
- Data Visualization Using Tableau
- Data Science Introduction Using R Software
- Data Visualization Using R Software
- Time Series & Correlation Analysis Using R software

**Course Duration:** 30 Hours

**Course fee:** Rs. 500/-

**Email Id:** [mathsdept2@auxiliumcollege.edu.in](mailto:mathsdept2@auxiliumcollege.edu.in)

#### Course Coordinator

**Ms. V. Sandhiya**

Assistant Professor

PG & Research Dept. of Mathematics

#### Course Instructor

**Ms. A. Kokila**

Assistant Professor

Dept. of Computer Applications