



Faculty Development Program



VIT[®]
Vellore Institute of Technology
(Deemed to be University under section 3 of UGC Act, 1956)

Title : Time Series Analytics for Industrial Applications using R

Date : 2026-03-25 - 2026-03-25

Time : 10:00 - 11:30

Venue : TT 728

Event Outcome

- Understand key time series concepts such as trend



Resource Person 1 - Details

Name : Kalpana Priya D

Designation : Associate Professor Grade 1, School of Advanced Sciences

University/ Company : VIT, Vellore

Address : India, 632014.

Resource Person's Profile :

1. Profile of Kalpana Priya D

Dr D Kalpanapriya is an accomplished academician and researcher serving as an Associate Professor in the Department of Mathematics, School of Advanced Sciences. With a strong commitment to teaching, research, and academic leadership, she has made notable contributions to both theoretical and applied statistics. Her core research areas include Mediation and Moderation Analysis, Probability Distributions, and Fuzzy Sampling and Distributions, where she has developed innovative methodologies .

In today's data driven industrial environment, understanding time-based patterns is essential for effective decision making. This workshop introduces the fundamentals of time series analytics with a practical focus using R. Participants will explore key concepts such as trend and seasonal decomposition, basic forecasting techniques, and visualization of time-dependent data

Through quick demonstrations and hands-on examples in R, the session highlights applications in demand forecasting, process monitoring, and quality control. The workshop is designed to provide immediate, practical insights that participants can apply in real industrial scenarios. By the end of the session, participants will gain a foundational understanding of time-series methods and the ability to implement basic analyses and forecasts in R to improve operational decision making.

R Studio

Coordinator's: Prof. KALPANA PRIYA D 11624 - Associate Professor Grade 1 - SAS
Prof. SHOBANA DEVI N 11794 - Assistant Professor Sr. Grade 2 - SAS