



TKM INSTITUTE OF MANAGEMENT



Faculty Development Programme

TIME SERIES ANALYSIS FOR BUSINESS APPLICATIONS

1st August
2026

Hands on session

GRET

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Musaliar Hills,
Karuvelil P.O.
Kollam - 691 505
www.tkmim.ac.in



TKM INSTITUTE OF MANAGEMENT

TKM Institute of Management (TIM), located at Musaliar Hills, Ezhukone, near Kollam, is one of Kerala's premier B-schools. For over three decades, TIM has built a distinct reputation in management education through strong academics, industry linkages, placements, research, and community initiatives. Its MBA program, affiliated with the University of Kerala and approved by AICTE, has earned continuous NBA accreditation for three cycles. TIM has consistently nurtured competent professionals who hold key positions in leading organizations across India and abroad. The institute is one among the eight prestigious institutes coming under the Thangal Kunju Musaliar Trust established in the year 1956.



CENTRE FOR PROFESSIONAL DEVELOPMENT AND CONTINUING STUDIES

The Centre for Professional Development and Continuing Studies at TKM Institute of Management is a vibrant platform for continuous learning, professional excellence, and industry engagement. It offers Faculty and Management Development Programs on emerging topics for professionals across regions, along with certificate programs delivered independently or through collaborations with centres of excellence. By forging MOUs with institutes and professional bodies, it enables joint initiatives of mutual benefit. Its activities—guest lectures, TIM Talks, seminars, workshops, and applied projects—foster industry interaction, skill enhancement, and networking. With expert guidance and strong partnerships, the Centre empowers professionals to thrive in a dynamic world.

Brief Overview of the Programme :

Time series analysis is a powerful tool for understanding patterns in data that evolve over time. In today's business environment, decision-making often depends on interpreting such temporal data—whether it is stock prices, sales forecasts, demand planning, or economic indicators. This FDP/MDP aims to bridge the gap between theoretical knowledge and practical applications, enabling participants to apply modern time series techniques to real-world business problems using industry-relevant tools.

Programme Objectives:

The key objectives of the programme are:

- To provide participants with foundational and advanced knowledge of time series data and models.
- To introduce statistical and econometric techniques for forecasting and decision-making.
- To demonstrate the application of time series methods in finance, operations, and business analytics.
- To equip participants with practical skills in software tools such as , Python, and Excel for time series analysis.
- To enable participants to interpret results effectively and translate them into actionable business insights.

Time Series Analysis

Contents of the Programme (Topics covered):

- Introduction to Time Series Data and its Characteristics
- Stationarity, Trend, and Seasonality
- Autoregressive (AR), Moving Average (MA), and ARIMA Models
- Vector Autoregression (VAR) and Cointegration
- Volatility Modelling: ARCH & GARCH Models
- Forecasting Methods and Accuracy Measures
- Applications in Financial Markets, Macroeconomics, and Business Forecasting
- Hands-on Practice using GRET, Python, and Excel



Brief Profile of the Resource Person (Faculty profile) :

Prof. Milan Sam Mathew currently Assistant Professor at TKM Institute of Management, has 12 years of combined academic and industry experience. He holds a B.Tech in Applied Electronics & Instrumentation, an MBA in Finance & Operations, an M.A. in Economics, and is currently pursuing his Ph.D. in Management focusing on Quantitative Finance at APJ Abdul Kalam Technological University. He qualified UGC NET in Management in 2017. His areas of interest include Quantitative Finance, Econometrics, Operations Research, and Predictive Analytics. He is proficient in tools such as GRET, Python, Smart PLS, and Tableau.

Target Audience:

- Faculty members from management and related disciplines
- Research scholars in finance, economics, and data science
- Professionals interested in applying time series techniques in business contexts

Date & Time :

1st August 2026 9:30 am to 4:30 pm

Registration Fees :

Rs.1500/- (Academicians & Research Scholars)

Rs.2500/- (Corporate Professionals / Government Officials)

Contact Details :

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FDP & MDP CALENDAR 2025 - 2026



1	UNLOCK YOUR POTENTIAL: AN INTRODUCTION TO NEURO LINGUISTIC PROGRAMMING DR. SANTHOSH V. A
2	BRAND BUILDING: THE MANTRA OF SURVIVAL DR. THOMAS MICHAEL
3	FUTURE READY SCHOOLS: FOSTERING ENTREPRENEURSHIP AND INNOVATION PROF. AZHAR BASHEER
4	PROCESS INNOVATIONS FOR BUSINESS EXCELLENCE IN A RAPIDLY CHANGING ENVIRONMENT DR. A. VISWANATHAN
5	BUILDING COMMUNICATION COMPETENCY: FDP ON INTERPERSONAL COMMUNICATION & NON-VERBAL CUES PROF. KARTHIKA. M
6	QUANTITATIVE DATA ANALYSIS TECHNIQUES USING IBM-SPSS STATISTICS PROF. ALEX KOSHY
7	ENHANCING SALES SKILLS IN MODERN ERA PROF. ANIL KUMAR. R
8	FINTECH INNOVATIONS & BEHAVIOURAL SHIFTS: THE FUTURE OF FINANCE PROF. NISHA. S
9	EFFECTIVE TEACHING USING CASE METHODOLOGY PROF. T. ABDUL KARIM MUSALIAR
10	TIME SERIES ANALYSIS FOR BUSINESS APPLICATIONS PROF. MILAN SAM MATHEW
11	MASTERING PERSONAL FINANCE; BUDGETING, SAVING & SPENDING SMART PROF. RINCY RAJU
12	SG INTELLIGENCE: THE FUTURE OF RESPONSIBLE FINANCIAL RESEARCH. DR. ANJALY. H
13	GAMIFICATION IN EDUCATION: TRANSFORMING TEACHING INTO AN ENGAGING EXPERIENCE PROF. CHANDINI DEV
14	PROGRAMMING AND POWER BI PROF. ARATHY. A
15	REDESIGNING CLASSROOMS: A HANDS-ON FDP ON DESIGN THINKING & EXPERIENTIAL TEACHING PROF. SHAJIN. P

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Co-ordinator**

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For more details & Registration scan

