



SACRED
HEART
COLLEGE
Autonomous



Sacred Heart College

Thevara, Kochi

(Re-accredited by NAAC with 3.50 Score)

Kerala, India- 682013

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Data Analysis for Research and Practice

A Five-Day National Workshop on
Primary and Secondary Data Analysis

11th -15th September 2023

Resource Person

Dr. R. Kasilingam

Professor, Department of Management Studies,
Pondicherry University

Organised by

**RESEARCH AND POST GRADUATE
DEPARTMENT OF COMMERCE**

Sacred Heart College (Autonomous), Thevara

Dear Sir/Madam,

The Research and Post Graduate Department of Commerce, Sacred Heart College (Autonomous), Thevara is organizing a five day national workshop on "Data Analysis for Research and Practice" from 11 -15 September 2023. We cordially invite the faculty members, research scholars and PG students of your institutions to participate in the workshop.

Dr. Fr. Jose John CMI
Principal

Dr. Sanu Varghese
HoD, Dept. of Commerce

James V George
Organising Secretary

About the College

Sacred Heart College, located in Kochi, Kerala is a distinguished institution for higher education and is affiliated with Mahatma Gandhi University in Kerala, India. The college was founded in 1944 under the guidance of the Carmelites of Mary Immaculate (CMI). Throughout its history, Sacred Heart College has emerged as a leader in the pursuit of excellence, excelling in both academic and co-curricular domains. Notably, the college achieved autonomous status in 2014. It was among the pioneering institutions to actively seek evaluation and accreditation from the National Assessment and Accreditation Council (NAAC). This commitment to quality led to the college being awarded a Five-Star status during its initial accreditation in 2000. In subsequent accreditation cycles, the college was granted the grades A+, A, and A+ in 2007, 2013, and 2022, respectively.

About the Department

The Commerce department at Sacred Heart College pioneered Commerce education in Kerala. It was among three institutions under Madras University to start the B.Com program in 1944. It launched the Master's program in 1961 and became an approved research center in 1998 under MG University Kottayam. Now, it ranks among the top 25 Commerce departments nationwide, offering undergrad, postgrad, M. Phil, and Ph.D. programs.

About the Workshop

- **Comprehensive Training:** Learn data analysis techniques from basic to advanced levels, suitable for research projects and practical scenarios.
- **Hands-on Experience:** Gain practical exposure through interactive sessions and guided hands-on exercises using cutting-edge tools.
- **Primary Data Analysis:** Understand the intricacies of collecting and analyzing your own data, ensuring accuracy and reliability.
- **Secondary Data Utilization:** Learn how to effectively extract insights from existing datasets, expanding your research horizons.
- **Statistical Methods:** Master various statistical methods and techniques to interpret data patterns and make informed decisions.
- **Software Proficiency:** Get proficient with popular data analysis tools and software used in academia and industry.
- **Data Visualization:** Discover the art of presenting data through visual representations for impactful communication.
- **Project Guidance:** Receive expert guidance in crafting and completing a data analysis project during the workshop.
- **Networking:** Connect with fellow participants, fostering collaboration and idea exchange.
- **Certificate:** Earn a nationally recognized certificate showcasing your newfound data analysis skills.

WORKSHOP SCHEDULE Venue: Fr. Melesius Seminar Hall

DAY 1 11-09-2023

9:00 AM - 10:00 AM	Registration and Welcome
10:00 AM - 11:30 AM	Introduction to Workshop and Data Analysis Fundamentals
11:30 AM - 11:45 AM	Tea & Networking
11:45 AM - 1:00 PM	Data Collection and Cleaning for Primary Analysis
1:00 PM - 2:00 PM	Lunch Break
2:00 PM - 3:30 PM	Introduction to SPSS and Data Entry
3:30 PM - 3:45 PM	Tea & Networking
3:45 PM - 5:00 PM	Basic Descriptive Statistics and Data Visualization using SPSS

DAY 2 12-09-2023

9:00 AM - 10:00 AM	Recap of Day 1
10:00 AM - 11:30 AM	Inferential Statistics and Hypothesis Testing with SPSS
11:30 AM - 11:45 AM	Tea & Networking
11:45 AM - 1:00 PM	Regression Analysis and Model Building using SPSS
1:00 PM - 2:00 PM	Lunch Break
2:00 PM - 3:30 PM	Multivariate Analysis Techniques with SPSS
3:30 PM - 3:45 PM	Tea & Networking
3:45 PM - 5:00 PM	Advanced Topics in SPSS. Logistic Regression, Cluster Analysis, Survival Analysis

DAY 3 13-09-2023

9:00 AM - 10:00 AM	Recap of Day 2
10:00 AM - 11:30 AM	Introduction to Structural Equation Modelling (SEM)
11:30 AM - 11:45 AM	Tea & Networking
11:45 AM - 1:00 PM	Formulating and Testing SEM Models
1:00 PM - 2:00 PM	Lunch Break
2:00 PM - 3:30 PM	Practical SEM Implementation
3:30 PM - 3:45 PM	Tea & Networking
3:45 PM - 5:00 PM	Interpreting SEM Results and Applications

DAY 4 14-09-2023

9:00 AM - 10:00 AM	Recap of Day 3
10:00 AM - 11:30 AM	Introduction to Secondary Data Analysis and Econometrics
11:30 AM - 11:45 AM	Tea & Networking
11:45 AM - 1:00 PM	Econometric Models. Linear Regression in Econometrics
	Assumptions and Model Diagnostics
1:00 PM - 2:00 PM	Lunch Break
2:00 PM - 3:30 PM	Time Series Analysis and Forecasting: - ARIMA Models and Forecasting Techniques
3:30 PM - 3:45 PM	Tea & Networking
3:45 PM - 5:00 PM	Panel Data Analysis. Fixed Effects and Random Effects Models, Dynamic Panel Data Models

DAY 5 15-09-2023

9:00 AM - 10:00 AM	Recap of Day 4
10:00 AM - 11:30 AM	Causal Inference and Program Evaluation - Instrumental Variables (IV) Regression - Difference-in-Differences (DID) Analysis
11:30 AM - 11:45 AM	Tea & Networking
11:45 AM - 1:00 PM	Multilevel Modeling - Panel Data Models (Heteroscedasticity, Autocorrelation and Endogeneity)
1:00 PM - 2:00 PM	Lunch Break
2:00 PM - 3:30 PM	Participant Presentations and Discussion
3:30 PM - 3:45 PM	Tea & Networking
3:45 PM - 5:00 PM	Certificates Distribution, Workshop Conclusion and Workshop Feedback

- Seats are limited and will be allocated on a first-come, first-serve basis.
- Dear participants, we kindly request you to bring your laptop for the workshop.
- Accommodation is available upon request for the participants. The participants are expected to cover their own accommodation charges.
- MG University and SH College, Thevara will jointly issue duty certificates to the participants.
- This five day workshop is eligible for CAS for teachers as per UGC guidelines.

Intended Participants

- Faculty Members • Research Scholars • Students
 • Practitioners • Professionals and consultants • Policy Makers



About the Resource Person

Dr. R. Kasilingam

M.B.A., M.Phil, B.L., M.C.A., I.C.W.A, Ph.D., A.C.S, M.L.

Dr. R. Kasilingam is the professor of finance, business analytics and business law, Department of Management Studies, Pondicherry University. Prof. Kasilingam has a blend of industry and teaching experience spanning more than three decades. He has more than 183 research publications with a citation index of 225, H index of 9, i10 index of 8 and 4 books. He has produced eight PhDs, completed two research projects funded by NHRC and ICSSR, evaluated more than 100 PhD theses and serves in the reviewer panel of leading international journals. He has organized 30+ data analysis/model building workshops, MDPs & EDPs and has been a resource person to 138+ workshops, delivered key note addresses and chaired sessions in programs organized by universities and institutes across South India.

Registration Form: <https://forms.gle/5xcG3SF1PiJuasd4A>

Last Date of Registration: 09-09-2023
 Mode of Payment :
 NEFT / RTGS / IMPS/ Online payment
Account Name: Department of Commerce
A/C No: 0653053000005340
IFSC: SIBL0000653, Branch: Thevara

QR Code for Payment



Registration Fee

Faculty Members/ Professionals/
 Data Enthusiasts: **Rs 2600**
 Research Scholars: **Rs. 1500**
 PG Students: **Rs. 1000**
 (Workshop kit, Lunch, Refreshment
 will be provided)

James V George

Organising Secretary

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Workshop Organising Committee

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