

**DEPARTMENT OF
ECONOMICS**



**MALABAR
CHRISTIAN
COLLEGE**

Calicut 673 001, Kerala



**TWO WEEKS
NATIONAL ONLINE
WORKSHOP
BASIC ECONOMETRICS**

01st September 2021- 04th October 2021

In collaboration with



**GULATI INSTITUTE OF FINANCE AND
TAXATION (GIFT)**

Thiruvananthapuram, Kerala

Concept

Data based decisions have acquired great significance in an era of volatility and complexity. One of the pivotal aspects of contemporary research is the outcome orientation for societal development. Policymakers and strategic thinkers look to researchers for employing authentic data analysis techniques, which help in predictive analysis based on historical data.

Econometrics, as a branch of Economics is concerned with the empirical estimation of economic relationships. It was developed for the quantitative analysis of theoretical inter-relationships between economic variables. Econometrics is widely used by most disciplines as modern academic and corporate research necessitates quantification of inter-relationships between the variables under investigation. Econometrics tests economic models through statistical trials. The results are then compared and contrasted against real-life examples.

The econometric methods and tools are instrumental in finding the stochastic relationship in a mathematical format. Econometric methods are used in multidisciplinary research involving business, commerce, engineering, physical sciences, biological sciences, medical sciences, geosciences and agricultural sciences. Thus, the present workshop is designed with a view to equipping the students, researchers and faculty members with the tools of econometric analysis.

In the first part of this work shop, participants are taken through all the necessary statistical techniques required for an understanding of the theory of Econometrics. This preliminary is followed by an exposition of the basics of Econometrics.

Details of the workshop

Target participants	Registration fees
P.G. students	200
Research scholars	350
Faculty members	600

Mode of registration fee payment

Online transfer to:

A/C Name: Principal, Malabar Christian College

A/C No: **4257000103513474**

Name of Bank: Punjab National Bank

IFSC: PUNB0425700

(Please add remarks 'Workshop in Econometrics')

Dates to remember

Registration commences: **25.08.2021**

Registration closes: **31.08.2021**

Date of commencement
of the workshop **01.09.2021**

Days of online live classes **Mondays, Wednesdays & Fridays**

Timing of online live classes **3.00 pm to 4.30 pm**

Date of closure
of the workshop **04.10.2021**

Workshop schedule

Day	Session
01/09/2021	Inauguration; Introduction to basic statistics required for Econometrics
03/09/2021	Sampling and statistical distribution
06/09/2021	Hypothesis testing
08/09/2021	Introduction to Econometrics and its applications
10/09/2021	Correlation and basics of regression
13/09/2021	Introduction to classical linear regression model
15/09/2021	OLS Method of estimation
17/09/2021	Multiple Linear Regression Model Estimation of parameters
20/09/2021	Multicollinearity
22/09/2021	Heteroscedasticity
24/09/2021	Auto correlation
27/09/2021	Elementary concepts in time series analysis- stationary processes
29/09/2021	Non-stationarity, unit- roots and co integration
01/10/2021	Dummy variable regression model
04/10/2021	Principal Component Analysis; Valedictory session

Certificate

Certificates will be issued to the participants who meet all the requirements of the workshop, including one hundred percent attendance, completion of daily quizzes and assignments.

The Malabar Christian College (MCC), Kozhikode

The Malabar Christian College, Kozhikode, re-accredited with A grade by the NAAC, is one of the oldest educational institutions in South India. Established in 1909 by the Basel Evangelical Missionaries from Basel, Switzerland, the College is a Heritage Institution situated in the heart of the city of Kozhikode. At a time when education was the right of the elite sections of the society, the German missionaries, who were the founding fathers of this institution, threw open its doors of learning to all sections including women, the lower castes and the less privileged and since then the College has been in the forefront of imparting education without discrimination.

Gulati Institute of Finance and Taxation (GIFT)

The Gulati Institute of Finance and Taxation (GIFT), Thiruvananthapuram, Kerala, formerly Centre for Taxation Studies, was conceived as a premier national institute to promote theoretically grounded and empirically based research within an interdisciplinary perspective to aid policy making at the national and sub-national level. Affiliated to the Cochin University of Science and Technology, GIFT is also mandated to facilitate research leading to Ph.D., apart from being a highly acclaimed institute undertaking training programs for capacity building of different stakeholders. It also offers a Post Graduate Diploma in Goods and Service Tax.

Department of Economics, MCC

The Department of Economics of Malabar Christian College takes pride in its long history and achievements. The undergraduate course in Economics commenced in the year 1956. Presently, the Malabar Christian College runs a B.A. Economics, M.A. Econometrics and an M.A. (self-financing) course in Economics. The Department of Economics has the fortune of hosting several luminaries as faculty and students. The alumnae of the Department have rendered exemplary service to different walks of life across our great nation.

About the Resource Person



Dr. Vijayamohan Pillai N is an Honorary Fellow in the GIFT. He is a distinguished scholar in theoretical and applied Econometrics and has many years of teaching and research experience in the Centre for Development Studies (CDS), Thiruvananthapuram.

Organizing Committee

Patrons:

Ms. Pavamani Mary Gladys

Manager, MCC

Dr. K.J. Joseph

Director, GIFT

Chairman:

Dr. Godwin Samraj D.P

Principal, MCC

Convener:

Dr. Biju Mathew

HOD, Dept. of Economics, MCC

Co-ordinator:

Dr. Nishitha Pankan

Assistant Professor (on contract)

Members:

Dr. Sreejith M. Nair

Associate Professor and Coordinator, IQAC, MCC

Dr. Anoop S. Kumar

Assistant Professor, GIFT

Ms. Rajeswari P.V.

Assistant Professor, Dept. of Political Science, MCC

Dr. Rajkumar R.

Assistant Professor (on contract)

Ms. Shika Ramesh

Assistant Professor (on contract)

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