

UNION CHRISTIAN COLLEGE, ALUVA



RESEARCH & POST GRADUATE DEPARTMENT OF
ECONOMICS

&



CENTRE FOR SOCIO-ECONOMIC & ENVIRONMENT
STUDIES, KOCHI

Jointly Organizes

THREE DAY TRAINING WORKSHOP ON BASIC ECONOMETRICS

Resource Person : Dr. Vijayamohanan Pillai N
Associate Professor
Centre for Development Studies

20th March to 22nd March 2019

Time : 9.30 am to 3.30 pm

Venue : Department of Economics, UC College, Aluva

Department of Economics, Union Christian College

Union Christian College, re-accredited with A grade (NAAC 4th cycle) is a very prestigious institution of higher education in Kerala, South India. Founded in 1921, the college is affiliated to Mahatma Gandhi University and is one of the top colleges in the state known for its academic excellence and social commitment. The college has been graced by the visits of great luminaries like Mahatma Gandhi, Nobel Laureate Rabindra Nath Tagore and former President Dr. A. P. J. Abdul Kalam.

The department of Economics is one of the departments with which the college started functioning in 1921. The department believes in developing competent and committed professionals, by giving students exposure to invigorating academic environment supported by diverse co- curricular activities. It is a recognized (Ph. D) Research Centre in Economics of Mahatma Gandhi University, Kottayam. Thrust areas of research include Environmental Economics, Local Finance, Capital Market and Industrial Economics.

The department is organizing a Three day workshop on Basic Econometrics in the context of introduction of the same in both under graduate and Post Graduate syllabus of MG University. The workshop is meant as training to the faculty as well as students.

Centre for Socio-economic and Environmental Studies (CSES)

Centre for Socio-economic and Environmental Studies (CSES), established in 1996, is an independent, non-profit organization for promoting policy and action oriented research, consultancy and training programmes. The Centre seeks to fill a critical gap between the academic world on the one hand and the policy makers, opinion shapers and the general public on the other. It positions itself as non-partisan think tank and strives to sensitise public opinion and policy makers through working papers, issue briefs, fact sheets, seminars/workshops/conferences and the print and broadcast media. The Centre and its library serve as a Resource Centre for students, researchers, teachers, journalists and the general public.

CSES undertakes interdisciplinary, applied research that addresses social and economic issues. The Centre has been engaged in research in the areas of public finance, decentralisation, governance and service delivery, education, health, demography/migration, gender studies, industry and natural resource management for more than two decades. CSES organises seminars, workshops, and talk for research scholars and grass root level organisations. The Unit also aims to conduct capacity building programmes for research scholars and students to equip them to undertake gender research.

About the Resource Person



Dr. Vijayamohanan Pillai N is currently an Associate Professor in the Department of Economics, Centre for Development Studies. He is a First Rank holder in M. A. Economics from the University of Kerala. Dr. Vijayamohanan obtained his Ph. D. in Economics from the University of Madras. He is specialized in Applied Statistics/Econometrics, Development Studies, Marxian Economics and Energy Economics. He is a member, Quantitative Research Methods Group, Human Development and Capability Association (HDCA) and World Economics Association (WEA). He has several notable publications to his credit.

Programme Schedule

Date : 20th March 2019

Inauguration 9.30 am

Technical Session I : 10.00 am to 11.30 pm

Introduction to Econometrics, Sample Regression Function, Population Regression Function

Tea Break

11.45 am to 12 .30pm

Classical Linear Regression Model & Modern interpretation of Econometrics

Lunch Break

Technical Session II : 1. 30 am to 3.30 pm

Concept of Linearity in econometrics, Stochastic Re-interpretation

Date : 21st March 2019

Technical Session III : 9. 30 am to 11.30 pm

Estimation of PRF, Method of OLS, Assumptions of Classical Linear Regression Model

Tea Break

11.45am to 12 .30pm

Gauss-Markov Theorem

Lunch Break

Technical Session IV : 1. 30 am to 3.30 pm

Goodness of Fit, R^2 , OLS Estimators

Date : 22nd March 2019

Technical Session V : 9. 30 am to 11.30 pm

Hypothesis testing of OLS Estimators, Introduction to Multiple Regression

Tea Break

11.45am to 12 .30pm

Heteroscedasticity, Autocorrelation, Multicollinearity

Lunch Break

Technical Session VI : 1. 30 am to 3.00 pm

Introduction to Time Series and Panel data analysis

Valedictory session 3.00 pm

Contact:

Head of the Department , Department of Economics, UC College – Dr. Sunil Abraham Thomas (9895391919)
Workshop Co ordinator - Dr. Ann George, Department of Economics, UC College (9946260877/04842604140)