

**University Post Graduate College, Osmania University, Secunderabad  
Three Day National Level Workshop**

**on**

**Application of Quantitative Techniques in Social Science Research  
(20 to 22 March, 2020)**

**Organised by Dept. of Economics, UPGC-OU, Sec'bad.**

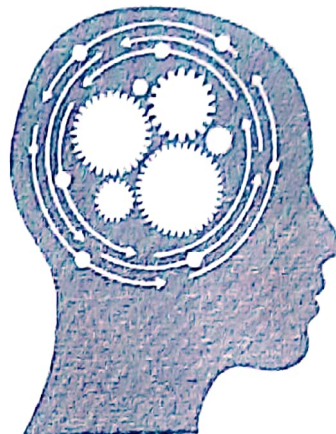
*Venue: Seminar Hall, UG Block, UPGC-OU, Sec'bad.*

**Workshop Overview:**

The Department of Economics, University Post Graduate College-Osmania University, Sec'bad, is organizing a *Three Day National Level Workshop on "Application of Quantitative Techniques in Social Science Research"* for M.Phil / PhD/ PDF Scholars and Faculty Members in Social Sciences from 20<sup>th</sup> to 22<sup>nd</sup> March, 2020. The purpose of this research methodology workshop is three fold. First, we will discuss the relationship between the universe of economic theory and economic data. Second, we will discuss research methodology tools for specific areas of statistics and econometrics. Third, we will discuss applications of statistical and econometrics techniques and analysis of results to some specific areas of Economics like Economic Growth, Education and Public Finance etc. The emphasis is on the practical mode of teaching which will help the participants to learn the technicalities for handling softwares (SPSS, Eviews and STATA) for data analysis in a systematic manner. Thus the schedule aims to have a topic-wise brief discussion on theory followed by thorough practical sessions. The workshop proposes to give a thorough exposure to the Cross Sectional, Time Series and Panel data analysis and the related econometric tools. The participants will get a good training on three important softwares SPSS, Eviews and STATA and will learn how to conduct data analysis using them. By the end of the programme they will be able to develop their conceptual clarity and practical knowledge to run the software for analysis and interpreting the data for their research.

Any systematic investigation towards increasing the sum of knowledge can be termed as research papers. Writing of organized analysis of a subject to record and disseminate information or knowledge or to present a point of view on a selected topic is research paper. One of the major purposes of basic research is to create new knowledge. It is the purpose of scientific research to go beyond experience and common sense, which frequently are quite limited and inadequate. The workshop intends to advance a framework, a process, and compositional approaches for designing

qualitative, quantitative, and mixed methods research in the human and social sciences. Increased interest in and use of qualitative research, the emergence of mixed methods approaches, and continuing use of traditional forms of quantitative designs have created a need for this workshop.



### **Objectives:**

An understanding of basic statistics and econometrics principles and their uses in estimating economic relationships is crucial. The emphasis will be on applications using SPSS, Eviews and STATA. Thus, the primary objective is to impart training on how to carry out simple but valid data analysis on economic data i.e., how to choose the right method and how to arrive at the right conclusion.

### **Workshop Outline:**

1. Steps in Research
2. Types of Data and Sampling Methods
3. Descriptive Statistics
4. Correlation Analysis
5. Regression Analysis with Cross section data and Time series data
6. Time Series Analysis (Dynamic Econometric Models-ARDL & ARIMA, ARMA, ARCH, GARCH, Stationary, Cointegration, ECM, Granger Causality)
7. Other Applied Econometrics Models

*(Resource Persons from CESS, Central Univ. of Hyderabad, IFCAI, Gitam Univ., and OU)*

### **Who should apply?**

The course is open to Students, Research Scholars (MPhil/PhD/PDF) and Faculty members in Economics and other Social Science disciplines of the Universities and Colleges in India. Interested students from Economics and other Social Science discipline background may apply.

**Intake:** The maximum intake for the workshop shall be 50. The selection committee will select the participants for the workshop as per the guidelines. The selected candidates would be informed 3-5 days before the commencement of the workshop through the registered email.

**Note:** Attendance for all the sessions is mandatory, otherwise the certificate will not be issued.



**Application Procedure:** Interested candidates can apply to the Workshop-Director/Convenor along with duly filled registration form on or before 17<sup>th</sup> March 2020. Registration form is enclosed with this notification. Registration form can also be downloaded from the college and university website (<http://www.upgs.ac.in/> and <https://www.osmania.ac.in/>). The Candidates are required to send the filled in registration form to the Workshop Convenor ([kondal1988@gmail.com](mailto:kondal1988@gmail.com) or [kkphdou@gmail.com](mailto:kkphdou@gmail.com)) by soft copy duly forwarded by the MPhil/PhD/PDF supervisor and Head of the Department/Institution.

**Food and Accommodation:**

Lunch and Tea for all participants will be provided during the sessions. *We are not providing accommodation facilities. However, accommodation at OU Guest House can be obtained on the basis of payment. Contact OU Guest House: 040-27682330 (Sri Shankaraiah: 9493391543)*

**Registration Fee:**

*Students: Rs. 400/-*

*Research Scholars: Rs 500/-*

*Faculty Members: Rs 700/-*

*Note: All the selected participants should pay the fee at Registration Counter between 9:00 am and 10:00 am on 20<sup>th</sup> March, 2020. Registration is on first come first served basis, so kindly register early. The registration fee includes workshop kit, lunch and tea.*

**Important Dates:**

- Last date for receipt of Application form: **March, 17<sup>th</sup> 2020.**
- Selected candidates will be intimated by Evening of **March, 17<sup>th</sup> 2020.**

**Advisory Committee**

Prof. J. Narasimha Rao (Head of the Dept. of Eco, OU)  
Prof. B. Sudhakar Reddy (Chairman BoS, Dept. of Eco, OU)  
Prof. A. Nakula Reddy (Senior Professor, Dept. of Eco, OU)  
Prof. I. Daisy (Professor of Eco, UPGC-OU, Sec'bad)  
Dr. Parimala Kulkarni (Vice-Principal, UPGC-OU, Sec'bad)  
Dr. A. Laxmi (I/c Head, Dept. of Eco, Koti Women's College)  
Dr. M. Savitri (I/c Head, Dept. of Eco, Nizam College)

**Organising Committee**

Prof. I. Daisy (Faculty Member)  
Mr. D. Hema Sunder (Faculty Member)  
Dr. Sandra Sthuthi (Faculty Member)  
Mrs. P. Bala Padma (Faculty Member)

**For any further details, contact:**

**Dr. Kappa Kondal**  
**Workshop Convenor**  
Faculty Member  
Dept. of Economics, UPGC-OU, Sec'bad.  
Call: 7893950302  
Email: [kondal1988@gmail.com](mailto:kondal1988@gmail.com)

**Prof. B. Narayana**  
**Workshop Director**  
Head, Dept. of Economics and  
Principal, UPGC-OU, Sec'bad.  
Call: 9849672900



**University Post Graduate College, Osmania University, Secunderabad**

**Three Day National Level Workshop**

**on**

**Application of Quantitative Techniques in Social Science Research  
(20 to 22 March, 2020)**

**Organised by Dept. of Economics, UPGC-OU, Sec'bad.**

*Venue: Seminar Hall, UG Block, UPGC-OU, Sec'bad.*

**Application Form**

Name :

Department :

Institution :

Designation :

Date of Birth :

Gender (Male/Female) :

Address for Communication:

Mobile/Tel No :

Email :

Educational Qualifications :

Whether Student/Phil/PhD or Faculty Member /Professional:

Research Topic:

Name and contact number of person in case of emergency:

Supervisor/ Head

(With office seal)

Signature of the applicant

Photo

**Note: Send the soft copy to [kondal1988@gmail.com](mailto:kondal1988@gmail.com) or [kkphdou@gmail.com](mailto:kkphdou@gmail.com).**

If the mail is not working, you can send application through whatsapp: 7893950302.