



Ten Days Research Methodology Workshop cum quality improvement program for Ph.D Scholars Organized

By

Department of Commerce

Sponsored By

Indian Council of Social Science Research (ICSSR) Delhi

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Chief Patron

Prof. Gurmeet Singh

Vice-Chancellor, Pondicherry University

Patron

Prof. Malabika Deo

Head of the Department of Commerce

Course Director

Dr. (Lt Cdr.) G Shanmugasundaram

Associate Professor, Department of Commerce

Dr. P Natarajan, Professor, Department of Commerce

Other Committee Members

Dr. Lazar, Professor Department of Commerce

Dr. Kavida, Associate Professor, Department of Commerce

Dr. K.B Nidheesh, Assistant Professor, Dept. of Commerce

Dr. S.Shijin, Assistant Professor, Department of Commerce

ABOUT THE HOST INSTITUTION

The Pondicherry University was established in 1985 by the Government of India through an Act of Parliament. It is an outstanding institution among Central Universities in India, with teaching and research as primary functions. The University has several unique features such as to dissemination and promotion of knowledge by providing instructional and research facilities. The campus is located in a sprawling area spread over seven hundred and eighty acres of land facing Bay of Bengal. The University is a member of the Association of Commonwealth Universities and has signed MOU with several foreign Universities and Institutions. A recent survey report by the UGC and ICSSR, the NAAC has ranked the institution as one of the best in the country.

About the Campus

The main campus of the University has lush green area of 780 acres spread on either side of the East Coast Road with the large chunk on the landward side of the road. The land is an invaluable gift from the people and the Government of Puducherry for the establishment of the University. The land gently rolls down to the beaches and is interspersed with lovely woods. Cut by a picturesque and deep ravine, this idyllic campus is on the fast track to developing into an ideal breeding ground for innovation and creativity.

Department of Commerce

The Department is presently assisted by the UGC at DRS-II level of SAP, to carry out research in the field of “Derivatives and Risk Management” for 5 years and several of the faculty members of the department have undertaken minor and major projects assisted by UGC & ICSSR. The Department offers M.Com (Business Finance), M.Com (Accounting and Taxation) & Ph.D programs with a total placement focus. The curriculum of the department is attracting the attention of companies which are involved in Banking, Foreign Trade, Capital Market, Stock Broking and Forex Dealings. Continuous research activities are also going on in the department in the above areas. It is a constituent of the School of Management, which is one of the popular Schools of Excellence in the Campus primarily focusing in the business related courses since the very inception of the University.

OVER VIEW OF THE WORKSHOP

Keeping in perspective the need for quality research and utilizing modern statistical tools for handling research data in most efficient manner the proposed Course aims to provide the resources and expertise for the benefit of the researchers pursuing research. **The theme of the workshop is what is there beyond significance level** and how to improve the quality of research based on primary data research studies. The greater number of researchers are doing and concluding their research at the level of significance. Many researchers get very excited when they have discovered a "significant" finding, without really understanding what it means. Do you think that getting significant level is an end point in their research? Is it a quality of research at the MPhil or PhD level? When a statistics is significant, it simply means that you are very sure that the statistic is reliable. It doesn't mean the finding is important.

What is beyond significant?

Significance is a statistical term that tells how sure you are that a differences or relationships exists. To say that a significant differences or relationships exists only tells half the story. What is the rest? We might be very sure that a relationship exists with significant level, but is it a strong, moderate, or weak relationship? After finding a significant relationship, it is important to evaluate its strength. Significant relationships can be strong or weak. Significant differences can be large or small. It just depends on your sample size or something else.

Do we need to go beyond significant?

Do you think that failure to reject null hypothesis is accepting of research hypothesis! Significant level is not destination of the researchers in their research work, many of the researcher assuming that the Chi-square test is treated as very simple one in statistical analysis. Why? The researcher never go in depth of the chi-square test analysis. They will see only the outer layer of the chi-square test and complete their MPhil or PhD. They never go to middle layer of the analysis such as post hoc test in chi-square test, and then how they will go to inner layer of the chi-square statistic such as effect size. These are the reasons Indian research are not at par with international standard. Our workshop will go in depth of the statistical analysis and there by a researcher can develop a quality of research and not quantitative research and moreover you can prepare your research at par with international standard

Two-way ANOVA is often understood as an extended version of one way ANOVA. There are a number of advantages, due to which two way ANOVA (factorial ANOVA) and ANCOVA are preferred over one way ANOVA, but our researchers are not moving from ANOVA. Why? Then how to improve the quality of research work, at par with other developed countries. The chi-square test is used by majority of the researcher by taking into categorical variables. How many of the researchers know there are three sub-division in that head? What is post-hoc test in chi-square? Why? What is there beyond significant level in chi square test to improve the quality of my research? On the basis of above information the following objectives are framed:

Objectives

- How the sample selection improves the quality of research.
- Whether the review of literature chapter is an independent or dependent.
- Developing newer techniques in research methodology so as to improve the quality of research work.
- Is significance level, the most important parameter in the study?
- Is there anything beyond significant level?
- How the research is measured?
- How to improve the quality of the research while applying “t” test and “ANOVA”, “Factorial ANOVA” and “ANCOVA.”
- How to reduce type-1 error and there by improve the quality of research, while applying MANOVA, Factorial MANOVA and MANCOVA.

Brief Summary of Course Content

1. Types of Research: Historical, Analytical, Interdisciplinary, Evaluative, Participatory and Action Research
2. Research Process: Research Problem and its identification, guidelines and format for writing research proposal
3. Research Design, its types and formulation
4. Sampling: Concept, methods and Determination of sampling size
5. Methods of data collection: Survey Research: Questionnaire, schedule preparation and designing methods, participatory and observational research,

coding of questions and relevance of pilot testing of questionnaire, measurement and scaling techniques

6. Nature of data: Qualitative- Nominal, Ordinal and quantitative- meaning and choice of statistical tools

7. Hypothesis: Meaning, formulation, testing of hypothesis, understanding various concepts for clarifying hypothesis testing

8. Measures of central tendency, Dispersion, Skewness, Kurtosis; Correlation and regression analysis; Parametric and Non-Parametric tests

9. Guidelines for Report writing, ethical issues in research and plagiarism, literature review, and how to write research based on books or papers

10. SPSS usage in research: Hands on experience & its usage, data and variable entry. how to apply various statistical tests and how to interpret the tests results

Eligibility

All registered Ph.D scholars in recognized Indian university/research institute from any branch of Social Sciences may send their application for this Research Methodology cum quality improvement program. The candidates should have basic knowledge of statistics and computer application. Selected candidates would be informed 15 days in advance of commencing the workshop.

Intake

The maximum intake for the Course shall be 30 seats (20 for out station and 10 for local). Those who have attended any such type of program sponsored by either UGC or ICSSR should not apply. Leave is not allowed during the training period. The selection committee will select the participants for the Course based on the stage of their research work, write-up in 500 words about your research and CV. The supervisor of the participant should certify that applicant has not attended any such kind of workshop during his/ her research tenure. The selected participants are requested to bring their own Laptops to get hands-on experience on the statistical software during the Course.

Application Procedure

Interested candidates may apply to Course Director along with the duly printed filled registration form and a write-up on their PhD/research area in 500 words on or before 31 December 2017. Registration form is enclosed with the

brochure. Registration form can also be downloaded from the university website www.pondiuni.edu.ac.in. The candidates are required to send the registration form to Course Director both in hard and soft copies duly forwarded by their PhD supervisor and Head of the Department with following enclosures:

1. Duly filled in prescribed Registration Form
2. A write-up on your PhD / research area in 500 words
3. Brief CV of the applicant
4. PhD registration/supportive documents

Registration Fee, TA and Accommodation

There is no registration fee for the Course. Boarding and lodging are also free for the participants. Accommodation to out station participants will be provided on twin sharing basis. Travelling allowances (TA) is payable only for sleeper class/ Normal Bus fare as per ICSSR rules and Guide Lines. The participants, to claim TA should present original tickets.

Duration of the course, important dates & venue

- The workshop is planned to be completed in ten days' starting from 29 January to 7 February 2018.
- Last date for submission of application form is 31st, December 2017
- Notification for selected candidates will be on 5th January, 2018 through the registered email
- Venue: Department of Commerce, Pondicherry University, Pondicherry.

Contacts:

For any information / clarification, please contact:

Dr. (Lt Cdr) G. Shanmugasundaram

Course director of the workshop & Associate professor, Department of Commerce, Pondicherry University, Pondicherry. Mobile: 9843953698

Email. Puicssrworkshop2018@gmail.com