

**BHARATI VIDYAPEETH'S
INSTITUTE OF MANAGEMENT STUDIES & RESEARCH
NAVI MUMBAI**

IN ASSOCIATION WITH

**Department of Lifelong Learning and Extension [DLLE],
UNIVERSITY OF MUMBAI**



Organizes

Two Days Online Faculty Development Program

On

**A BRIEF TREATISE ON
RESEARCH METHODS AND DATA ANALYSIS**

Date: 4th & 5th May 2020, Time: 11:00 a.m to 1:00 p.m.

Patron

Dr. Vilasrao Kadam

Director, Bharati Vidyapeeth's Educational Complex, Navi Mumbai

Chairpersons

Dr. Anjali Kalse

I/c Director, BVIMSR,
Navi Mumbai

Dr. Dilip S. Patil

Director, DLLE,
University of Mumbai

Dear Educator,
Warm Greetings from
**Bharati Vidyapeeth's Institute of Management Studies and Research &
Department of Lifelong Learning and Extension [DLLE]**

This quarantine creates an opportunity to nurture our skills, enhance our knowledge and prominently explore new horizons in the education field. To bring more feathers to your wings, BVIMSR is proudly announcing an online FDP program on "Statistical Techniques for Research Methodology". Research methods and data analytics have become an integral part of almost all areas of management, social sciences, humanities research. Advancement in computing technology has further raised the importance of statistical techniques and placed great demands on its applications to complex decision making problems in various fields. Statistical Techniques are usually very complex and confusing for beginners and intermediate researchers. The programme will address issues in research methods like selection of appropriate analytical tools, right software, interpretation of outputs and effective report writing. The objective of this programme is to emphasize on broad range of techniques available in research methods for academicians, practitioners and researchers from interdisciplinary domains.

About BVIMSR:

BVIMSR has been consistently ranked amongst the top B Schools in Navi Mumbai & Western India. With a world class infrastructure at a serene location BVIMSR provides a holistic environment for all around learning and development.

BVIMSR prides itself on being a student-centric institute. Students here are entrusted with resources and responsibilities early on. They are encouraged to take important administrative and policy decisions that sculpt their future and that of the Institute. This facilitates their all-round development, over and above academic performance. The Students' Council at BVIMSR is the student body responsible and accountable for all activities on the Campus throughout the year.

BVIMSR has developed unique learning initiatives which have come to be the hallmark of the institute. These initiatives are the outcome of three decades of experience in the field of management education. They have been developed with the help of faculty, who are in touch with the industry's current needs and the active participation of the students themselves.



About DLLE:

The Department of Lifelong Learning and Extension [DLLE] (known earlier as Department of Adult and Continuing Education and Extension) established on October 12, in the Year 1978 and has been recognized as a statutory Department of the University of Mumbai since 1994 to promote a meaningful and sustained rapport between the Universities and the community. The DLLE offers flexible Continuing Education opportunities for the people.

Introduction:

Applied Research is a systematic process of defining and redefining problems, formulating hypotheses; collecting, organising and evaluating data; making inferences and reaching conclusions; and at last testing conclusions to see if they fit the formulating hypothesis. Analysis of data and making inferences requires use of appropriate statistical techniques. The present Online FDP envisages to equip researchers with the appropriate tools for hypothesis testing and data analysis at the beginners' level.

Targeted Audience:

Faculty Members and Research Scholars from Universities, Institutions and colleges, any faculty member who wants to get knowledge about statistical tools useful in research.

About the Trainer :

Prof. J.C Sharma born in 1941, holds M. Sc. Degree in statistics and M. Phil. Degree in social Sciences. He has worked at University of Rajasthan, Jaipur (1965-1970 as Research Assistant), Tata Institute of Social Sciences, Mumbai (1970-1994 as Lecturer, Reader and Professor), Institute of Technology and Management, Navi Mumbai (1994-1997 as professor) and Bharati Vidyapeeth's Institute of Management Studies and Research, Navi Mumbai (2005-2011 as Professor). He has also worked as United Nations Consultant (1979) posted at the Economic Commission for Africa. He specializes in Statistics and Research Methodology. He has published many research papers and has conducted more than thirty research projects sponsored by ILO, World Bank, UNICEF, Government of India, Municipal Corporation of Greater Mumbai, Aga Khan Education Services, Commission of European Community and many other organizations. He has worked as consultant to many research projects. He is also member of Ethical Committees. He has been conducting (since 1980) training programmes in statistical data analysis using SPSS package at several institutions.

Training Guidelines:

- Mode of training is instructor led through online mode.
- Topics are sequential; hence trainees are strongly advised to attend the training without any gap.
- Training path traversed is Conceptual Explanation >>> Illustrations >>> Discussions>>>Practical Exercise.

Training Mode - Live Online-Classroom:

- Online Via Cisco Webex (Participants need to have Cisco webex app on their laptops/ PC/ mobile)

Registration, fees & Schedule:

- The Program is free of cost and there is no registration fees.
- Registration on first come first serve basis.
- Limited Seats
- The live online link will be shared with the selected participants through their email.
- The FDP will be conducted on Monday 4th May and Tuesday 5th May 2020 from 11.00 am to 1.00 pm.

Course Contents:

- Definition of research and types of research.
- The Research Process - Defining the research problem, literature survey, formulation of objectives and hypotheses, research design, sample design, tools of data collection.
- Theory and Models.
- Measurement of concepts - Constructs, independent, intervening / mediating and dependent variables.
- Confidence interval, significance level and p-value.
- Testing of Hypothesis- Parametric and non-parametric tests with applications and where to use.

Course Co-ordinators**Dr. Manisha Shukla**

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