



SYMBIOSIS COLLEGE OF ARTS & COMMERCE
 An Autonomous College | Under Savitribai Phule Pune University
 Reaccredited 'A+' with 3.51 CGPA For Third Cycle By NAAC | College with Potential for Excellence

COURSE TITLE	Tools & Techniques of Research Methodology Banking - Honours	
Course Learning Outcomes: On successful completion of the course students will be able to: <ol style="list-style-type: none"> 1. Develop understanding of the basic framework of research process. 2. Develop an understanding of various research designs and techniques. 3. Identify various sources of information for literature review and data collection. 4. Develop an understanding of the ethical dimensions of conducting applied research. 		
Gist of this course in maximum 3 to 4 lines	The primary objective of this course is to develop a research orientation among the students and to acquaint them with fundamentals of research methods. Specifically, the course aims at introducing them to the basic concepts used in research and the various approaches. It includes discussions on sampling techniques, research designs and techniques of analysis.	
Unit	CONTENTS OF THE COURSE	No. of Lectures
1.	Foundations of Research 1.1 Meaning, Objectives and Motivation of Research 1.2 Types of Research and Research Approaches 1.3 Research Methods versus Methodology 1.4 Research Process and Criteria of Good Research 1.5 Ethics in Research – Copy right, Intellectual Property Rights, Plagiarism, Citation & Acknowledgement	08
2.	Stages of a Research Process 2.1 Selection of a Research Topic 2.2 Writing a Research Proposal – Title, Abstract 2.3 Literature Survey 2.4 Formulation of Hypotheses 2.5 Research Design – Sampling techniques 2.6 Data Analysis 2.7 Interpretation of Result 2.8 Report Writing- Types, Layout, Guidelines for Presenting Tabular Data & Visual Representations 2.9 Writing a Bibliography – Different Styles	10

3.	Defining the Research Problem and Research Design 3.1 Understanding & Selection of Research Problem 3.2 Necessity of Defining the Problem 3.3 Technique Involved in Defining a Problem 3.4 Meaning of Research Design and Need for Research Design 3.5 Important Concepts Relating to Research Design 3.6 Different Research Designs	06
4.	Methods of Data Collection 4.1 Collection of Primary Data - Observation, Interview Method, Questionnaires & Schedules 4.2 Difference between Questionnaires and Schedules 4.3 Techniques of Developing Data Collection Tools – Questionnaires, Rating Scales 4.4 Collection of Secondary Data 4.5 Selection of Appropriate Method for Data Collection 4.6 Case Study Method	12
5.	Processing and Analysis of Data 5.1 Processing Operations 5.2 Use of Microsoft Excel for Classification & Tabulation 5.3 Univariate and Bivariate Data Analysis – Frequency tables, bar graphs, pie charts, Cross tabulation 5.4 Statistics in Research 5.5 Measures of Central Tendency 5.6 Measures of Dispersion, Asymmetry 5.7 Correlation (Karl Pearson’s Correlation Coefficient & Rank Correlation) 5.8 Simple Regression Analysis	10
	Total Number of Lectures	45
Teaching Methodology :	1.Lectures 2.Class Discussions and Presentations 3.Audio Visuals 4. Quizzes 5. Guest Lectures	
Recommended Reading: <ul style="list-style-type: none"> • Kothari C. R (2019): ‘Research Methodology: Methods and Techniques’ (Fourth Revised Edition), New Age International Publishers. • Ranjit Kumar (2014): ‘Research Methodology: A Step-by-Step Guide for Beginners’, SAGE Publications Ltd; Fourth edition • J. David Creswell and John W. Creswell (2013): Research Design: Qualitative, Quantitative, and Mixed Methods Approaches, SAGE Publications Inc; Fourth edition • Chawla, Deepak & Sondhi, Neena (2011). Research methodology: Concepts and cases, Vikas Publishing House Pvt. Ltd. Delhi. 		

- Sinha, S.C. and Dhiman, A.K., 2002. Research Methodology, Ess Ess Publications. 2 volumes.

Suggested Reading:

- M., Graziano, A.M. and Raulin, M.L., 2009. Research Methods: A Process of Inquiry, Allyn and Bacon.
- Fink, A., 2009. Conducting Research Literature Reviews: From the Internet to Paper. Sage Publications
- Leedy, P.D. and Ormrod, J.E., 2004 Practical Research: Planning and Design,
- Carlos, C.M., 2000. Intellectual property rights, the WTO and developing countries: the TRIPS agreement and policy options. Zed Books, New York.
- Satarkar, S.V., 2000. Intellectual property rights and Copy right. Ess Ess Publications