

**Course-Research Methodology**  
**Research Methodology**

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| <b>Semester I</b> | <b>Credits: 4</b> | <b>Subject Code: ARMECO123505</b> | <b>Lectures : 60</b> |
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**Course Objectives:**

At the end of the course, the Learner will be able to

- CO1- Recognize the broad elements of research process in Economics
- CO 2- Review and demonstrate various stages of research in the field of Economics
- CO 3- Describe methodology for data collection and data classification
- CO 4- Outline various techniques of data analysis and report writing
- CO 5- Identify and apply the principles of ethics in research.
- CO 6- Formulate a research proposal

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| <b>Unit 1: Introduction To Research</b>  | <b>15</b> |
| <ul style="list-style-type: none"> <li>● Research: Definition and Meaning, Characteristics</li> <li>● Features of Good Research &amp; Characteristics of Research Questions</li> <li>● Types of Research</li> <li>● Research in Economics- Meaning, Scope and Limitations</li> <li>● <b>Writing a Research Proposal</b></li> <li>● Ethics in Research</li> </ul> |           |

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| <b>Unit 2: Stages of Research</b>  | <b>15</b> |
| <ul style="list-style-type: none"> <li>● Research Design- Definition &amp; Classification, Steps and Phases in Research Design</li> <li>● E-Research: Design, sampling, Access &amp; Precautions</li> <li>● Review of Literature-Need, Search Procedure and Sources; References &amp; Citations</li> <li>● Research Problem- Formulating The Research Problem; Types of Research Problem</li> <li>● Hypotheses- Definition &amp; Types; Formulation of the Hypothesis</li> </ul> |           |

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| <b>Unit 3: Data Collection &amp; Classification</b>  | <b>15</b> |
| <ul style="list-style-type: none"> <li>● Methods of Data Collection - Primary data- Sources &amp; Methods, Secondary data- Sources &amp; Methods</li> <li>● Sampling: Concept of Sampling</li> <li>● Types of Sampling Methods</li> <li>● Data Classification</li> </ul> |           |



| Board of Studies  | Department | Name                    | Signature                             |
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| Chairperson (HoD) | Economics  | Dr. Manisha Pimpalkhare | <i>Manisha Pimpalkhare</i><br>14/7/23 |

**Unit 4: Data Analysis & Report Writing**

15

- Measurement Techniques: Types of Scales
- Data Analysis- Types of Analysis-Univariate, Bivariate and Multivariate
- Hypothesis Testing
- Research Report- Types of Reports, Planning & Layout

**Recommended Text Books**

- Ahuja Ram (2001), "Research Methods", Rawat Publications, Jaipur
- Flick Uwe (2011) 'Introducing Research Methodology' Sage Publications
- Kothari C. R, Gaurau Garg (2019) 'Research Methodology, Methods and Techniques', New Age International Publications, 4<sup>th</sup> Edition
- Kumar Ranjit, (2012), "Research Methodology" 2<sup>nd</sup> Ed, Pearson Education
- Salkind Neil J. (2018) "Exploring Research" Pearson
- Wilkinson and Bhandarkar (2016) 'Methodology and Techniques of Social Science Research; HPH
- Willson Jonathan (2017) 'Essentials of Business Research: A Guide to Doing Your Research Project' Sage Publications

**Recommended Books**

- Bajpai Naval, (2011) "Business Research Methods", Pearson Education.
- Basotia G.R. Sharma K.K. (1999) 'Research Methodology' Mangal Deep Publications
- Bhandarkar P.L, Wilkinson T.S, (2010). "Methodology and Techniques of Social Research" 23<sup>rd</sup> Ed, Mumbai, Himalaya Publishing House
- Don E. Ehridge (2004) 'Research Methodology in Applied Economics: Organizing Planning and Conducting Economics Research', John Wiley and Sons
- Donald R. Cooper & Pamela S. Schindler (1999), "Business Research Methods", Tata McGraw-Hill Edition, New Delhi
- Gopal M.H. (1971) 'An Introduction to Research Procedure in Social Sciences', Asia Publishing House
- Kothari S. R (2012) 'Research Methodology, Methods and Techniques', Pragnu Publications
- Krishnaswamy, O.R. (1993) 'Methodology of Research In Social Sciences, HPH
- Kurein C. T. (1973) 'A Guide to Research in Economics' Sangam Publishers for Madras Institute of Development Studies
- Sadhu AN, Amarjit Singh (2007) 'Research Methodology in Social Sciences' HPH
- Sharma Kapil, (2011), "Statistical Methods", ABD Publishers, " 2<sup>nd</sup> Ed, Jaipur
- Thakur Devendra (2009) 'Research Methodology in Social Sciences' Deep and Deep Publications



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| Chairperson (HoD)                | Dr. Manisha Pimpalkhare | <i>Manisha Pimpalkhare</i><br>14/7/23 |
| Faculty                          | Dr. Meenal Sumant       | <i>Meenal Sumant</i><br>14/7/23       |
| Subject Expert<br>(Outside SPPU) | Dr. Saili Belsare       | <i>Saili Belsare</i><br>14/7/23       |
| Subject Expert<br>(Outside SPPU) | Dr. Subhash Patil       | <i>Subhash Patil</i><br>14/7/23       |
| VC Nominee (SPPU)                | Dr. Mahendra Agale      | <i>Mahendra Agale</i><br>14/7/23      |
| Industry Expert                  | Ms. Gauri Kulkarni      | <i>Gauri Kulkarni</i><br>14/7/23      |
| Alumni                           | Ms. Aishwarya Rathore   | <i>Aishwarya Rathore</i>              |



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