

ST. MIRA'S COLLEGE FOR GIRLS, PUNE
(Autonomous - Affiliated to Savitribai Phule Pune University)

CLASS: SYBA

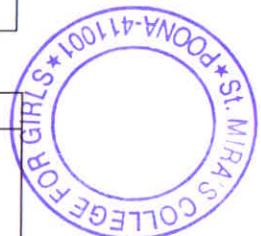
SUBJECT: BASIC RESEARCH SKILLS FOR ECONOMICS
TITLE: INTRODUCTION TO RESEARCH IN ECONOMICS
SKILL ENHANCEMENT COURSE

Semester: III	Subject Code: EC32120	Lectures: 30	Credits: 2
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Course Outcomes:

At the end of the course, the learner will be able to:

- Classify the types of research
- Identify research questions in economics
- Demonstrate the use of appropriate research design
- Construct research hypothesis in accordance with the research question
- Identify the purpose and style of review of literature
- Assemble existing Literature and examine possibilities for future research



Sr. No.	Unit	Pedagogy	Evaluation & Assessment	Skills to be imparted
1	1. Introduction to Research in Economics 1.1 Meaning 1.2 Types of Research –	Classroom Lectures Discussions Illustrations/Examples	MCQ Testing Presentations- PPTs/Posters	Skill-based assignment

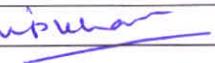
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	Scientific and Social Research; Theoretical Research and Applied Research; Exploratory Research and Descriptive Research; Quantitative Research and Qualitative Research 1.3 Significance and Objectives of Economic Research	Audio-visual aids	Library work	
2	2. Research Design 2.1 Meaning and Need of Research Design 2.2 Types of Research Design - Exploratory Design; Descriptive Design; Experimental Design and Case Study 2.3 Characteristics of Ideal Research Design	Classroom Lectures Discussions Audio-visual aids Library Work	Assignment – Creating a research design Library work	<ul style="list-style-type: none"> • Analytical Skills • Evaluation Skill
3	3. Research Problem, Hypothesis Formulation and Review of Literature 3.1 Research Problem– Meaning and Formulation 3.2 Hypothesis- Meaning and Types 3.3 Steps to Hypothesis Formulation 3.4 Review of Literature - Meaning and Purpose 3.5 Writing Literature Review	Classroom Lectures Discussions Audio-visual aids Library Work	Practical Exercises on – <ul style="list-style-type: none"> • Explore a research problem • Formulate Hypothesis • Mini-Paper on Review of Literature on subject of Choice 	<ul style="list-style-type: none"> • Research Skills • Writing Skills • Literature Review Skills

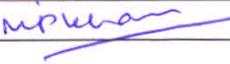
References:

- Bethlehem, J. (2009), “*Applied Survey Methods: A Statistical Perspective*”, Wiley.
- C.R. Kothari (2004), “*Research Methodology – Methods and Techniques*”, 2nd revised edition, New Age International Publications; N. Delhi.
- Cochran, William, G. (2008), “*Sampling Techniques*”, Third Edition, WileyIndia, ISBN 978 -81-265-1524-0. Reprint: 2008.
- D.C. Sancheti & V.K. Kapoor (2009), “*Statistics: Theory, Method and Applications*”; S. Chand, Publications; N. Delhi, seventh revised edition.
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- डॉ बि एम कहाडे (2007) “शास्त्रीय संशोधन पद्धती” पिंपळापुरे पब्लिशर



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CLASS: SYBA
SUBJECT: BASIC DATA SKILLS FOR ECONOMICS
TITLE: INTRODUCTION TO DATA ANALYSIS IN ECONOMICS
SKILL ENHANCEMENT COURSE

Semester: IV	Subject Code: EC42120	Lectures: 30	Credits: 2
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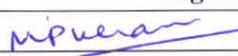
Course Outcomes:

At the end of the course, the learner will be able to:

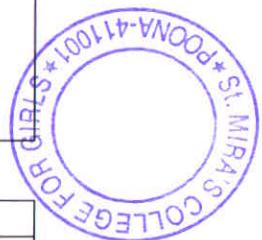
- Identify and apply the types of data and sources of data
- Demonstrate the use of appropriate data collection technique
- Examine research problem and design questionnaire
- Demonstrate the skill of coding, tabulation and analysis
- Illustrate appropriate data visualization methods
- Use appropriate method of Referencing



Sr. No.	Unit	Pedagogy	Evaluation & Assessment	Skills to be imparted
1	<p>1. Data Collection</p> <p>1.1 Meaning and Types of Data- primary, secondary, quantitative, qualitative data</p> <p>1.2 Methods to collect Primary Data</p> <ul style="list-style-type: none"> • Observation • Questionnaire • Interview 	<p>Classroom Lectures</p> <p>Discussions</p> <p>Audio-visual aids</p>	<p>MCQ Testing</p> <p>Practical exercises</p>	<ul style="list-style-type: none"> • Research Skill • Coding & Tabulation Skills • Research Design Skills – Questionnaire; Interview; Schedule; Case Study (any one)

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	<ul style="list-style-type: none"> • Schedule • Case Study <p>1.3 Sources and Significance of Primary and Secondary Data</p>			
2	<p>2. Data Analysis</p> <p>2.1 Importance of Data Analysis</p> <p>2.2 Data Analysis Techniques -</p> <ul style="list-style-type: none"> • Coding • Tabulation • Data Visualization <p>2.3 Excel for Data Analysis</p>	<p>Classroom Lectures Discussions Audio-visual aids</p>	<p>Practical Exercises</p>	<ul style="list-style-type: none"> • Coding • Tabulation • Data presentation using excel
3	<p>3 Referencing</p> <p>3.1 Meaning and Importance of Referencing</p> <p>3.2 Concept – Bibliography; APA and MLA styles</p> <p>3.3 Referencing and Bibliography</p> <p>3.4 Plagiarism and Research Ethics</p>	<p>Classroom Lectures Discussions Audio-visual aids</p>	<p>Practical Exercises</p>	<ul style="list-style-type: none"> • Research Ethics



References:

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Faculty	Dr. Meenal Sumant	<i>Minal S16121</i>
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Industry Expert	Dr. Girija Lagad	<i>Girija S16121</i>
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