



# ST. ALOYSIUS COLLEGE(AUTONOMOUS), JABALPUR

Reaccredited 'A+ 'Grade by NAAC(CGPA:3.68/4.00)

College with Potential for Excellence by UGC

DST-FIST Supported & STAR College Scheme by DBT

## Faculty of Arts

### SUBJECT: ECONOMICS

#### B.A. VIII Semester

### Research Techniques in Economics

#### Course Outcomes

CO. No.	Course Outcomes	Cognitive Level
CO 1	Students will acquire a solid understanding of research fundamentals, theory, and its application in Economics	U and App
CO 2	Students will develop skill in formulating research problems and constructing research design	App and create
CO 3	Enabling students to understand the construction of effective questionnaires and employing diverse data collection and sampling methods.	U and An
CO 4	Students will successfully understand gain proficiency in data analysis techniques, utilizing regression, drawing inference and reporting findings	App and An
CO 5	Students will acquire practical knowledge of computer applications including EXCEL, for statistical analysis and presentation of economic data.	App and An

#### Credit and Marking Scheme

	Credits	Marks		Total Marks
		Internal	External	
Theory	4	40	60	100
Practical	-	-	-	-
Total	4			

#### Evaluation Scheme

	Marks	
	Internal	External
Theory	4 Internal Exams of 10 Marks (During the Semester) (Best 3 will be taken)	1 External Exams (At the End of Semester)



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## Content of the Course

No. of Lectures (in hours per week): 3 Hrs. per week

Total No. of Lectures: 45 Hrs.

Maximum Marks: 60

Units	Topics	No. of Lectures
I	<b>Introduction to Economic Research:</b> 1. Research - Meaning, Definition, Purpose, Relation between Theory and Research 2. Types of Research- Scientific Vs. Social Research, Pure and Applied Research 3. Special Feature of Economics Research- Different Approaches in Economic Research, Importance of Academic Research in Economics, Positive Science, and Normative science.	12
II	<b>Formulation of Research Problem and Design:</b> 1. Formulation of Research Problem- Null and Alternative Hypothesis 2. Research Design- Exploratory, Diagnostic and Experimental Studies 3. Research Methods in Economics- Deductive and Inductive Methods, Static and Dynamic Methods, Historical and Dialectical Methods, Case Study Method	12
III	<b>Data Collection Techniques:</b> 1. Source of Data- Primary and Secondary Data, Time Series and Cross-Sectional Data, Pooled Data and Panel Data and Categorical Data 2. Sample Survey Methods- Observation, Interview, Questionnaire, Construction of Questionnaire	12
IV	<b>Sampling Methods and Data Analysis:</b> 1. Sampling Methods- Random Stratified Multistage, Systematic, Cluster, Quota and Judgment Samples 2. Data Analysis Techniques- Simple and Multiple Regression, Drawing Inference from Analysis Scaling- Problems and Techniques, Report writing Procedures	12
V	<b>Computer Applications in Economics Research:</b> 1. Estimation of Descriptive Statistics, Mean, Median, Mode, Standard Deviation, Coefficient of Variation. 2. Presentation of Graphs- Line, Subdivided, Multiple, Pie Graphs 3. Estimation of Growth Rates and Trend Equations, Introduction to Regression Equations Computer Applications- Introduction to EXCEL	12



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## **Suggested Readings:**

1. Good, C and Hatt, P.(date):” Methods in Social Research,” McGraw Hill.
2. Panel, P(date): “Social Research Methods,” Prentice Hall
3. Oliver, P.(date) “Writing your thesis,” Vistaar Publication, New Delhi.
4. Panneerselvam, R(date): “Research Methods for Business,” PHI, New Delhi.
5. Cooper, D and Schindler, P.S(2009): “Business Research Methods,” 9<sup>th</sup> edition, Tata McGraw
6. Sekaran, U. (2010): “Research Methods for Business,” 4<sup>th</sup> edition, Wiley.
7. Kumar, R. (2009) “Research Methodology,” 2<sup>nd</sup> edition, Pearson Education.
8. Malhotra, N. and Dash, S.(2009): “Marketing Research,”5<sup>th</sup> edition, Pearson Prentice Hall.
9. Michael, V.P: “Research Methodology”
10. Kerlinger, F.N “Foundations of Behavioral Research.”
11. Premi, G.S: “Shodh Pravidhi (Anusandhan): ResearchMethodology,”Ppaerback,2019, Sahitya Sarowar
12. त्रिवेदी आर एन एवं शुक्ल डी.पी, रिसर्च विधि कॉलेज डिपो , जयपुर