

SHAILABALA WOMEN'S AUTONOMOUS COLLEGE, CUTTACK



CERTIFICATE COURSE FOR PG

OFFERED BY

P.G. DEPARTMENT OF PSYCHOLOGY

ON

RESEARCH METHODOLOGY

FOR

POST-GRADUATE STUDENTS

Y. Panda
29/9/22

[Signature]
29/9/22

K. S.
29.09.22

[Signature]
29/9/22

B. K. Deb
29/9/22

**SYLLABUS OF CERTIFICATE IN RESEARCH METHODOLOGY
(CRSM)**

For Academic Session 2022-23

Learning Objectives:

This certificate course will provide students with:

- A concrete understanding of the methods of doing research, data collection and analysis, report writing
- An understanding to identify the research gaps by reviewing the existing literatures on the concerned topic and state the research questions
- Identifying the difference between qualitative and quantitative data collection methods and analysis strategies

Learning Outcomes:

- To demonstrate the ability to choose methods appropriate to research aims and objectives.
- To understand the limitations of particular research methods.
- To develop skills in qualitative and quantitative data analysis and presentation.
- To develop advanced critical thinking skills pertaining to writing the research proposal and project report.

Course Structure: Total Mark-50 No of Hours -36

CRSM – 01	Foundations of Research
Unit-1: BKD Introduction to Research AN	Meaning, Objectives, Motivation, Utility of Research Types and Methods of Research, Scientific Method and Its Characteristics, Theory Building and Understanding the Language of Research (Concept, Construct, Definition, Variable), Research Ethics and Empiricism, Types of Data: Qualitative and Quantitative data and its Approaches
Unit-2 Data Measurements and Scaling Techniques & Research Design N	Social Research Process, Literature Review Process and Formulation of Research Questions, Hypothesis-Characteristics and Types, Hypothesis Testing –Logic and Importance, Concept and Importance of Research Design Types and Uses of Research Design Scaling Techniques: Comparative (Rank Order, Paired Comparison and q-sort) and Non-comparative (Likert Scale, Thurston Scale, Semantic Differential Scale)
Unit-3 JP Tools and Techniques of Data collection and Field BB	Sources of Data Collection: Primary and Secondary, Interview Schedule and Questionnaire, Interview Method- Types; Selecting Respondents; Rapport; the Interview Guide; the Interview situation; recording, Participant Observation and Ways of Interviewing, Ethnographic Field Research

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Work Practices & Sampling Techniques	Introduction to Sampling: Concepts of Population, Sample, Sampling Frame, Sampling Error, Sample Size, Characteristics of a good sample, Types of Sampling-Probability and Non-Probability, Determining size of the sample- Practical considerations in sampling and sample size.
Project Work	
Unit-1:	How to write a research proposal or report
Unit-2:	Alternative Ways to Present Research
	Project Report/Case Study

Assessment

Mid-Term-10

Objective – 5

Subjective - 5

End Term- 40 marks

Project – 10 (Presentation -5, Viva – 5)

Written- 20

Report - 10

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Dr. Nehru
29/9/24
Y. Pandey
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Dr. Mohan
29/9/22
 Certificate Design
