

**VEER NARMAD SOUTH GUJARAT UNIVERSITY, SURAT.  
M.R.S.  
SEMESTER - III**

Paper No : 1  
Paper Title : **Participatory Rural Research Techniques**

**Objectives :**

This paper is designed to equip the students with basic elements of research methodology which may be useful to study and analyze the rural issues in the setting of rural environment.

**Unit 1 : Introduction**

- Research concept, types of research and research design
- Elements of research design objects, hypothesis, variables etc.
- Steps in preparing a research design
- Application and choices of alternatives research designs.

**Unit 2 : Techniques of data collection**

- Questionnaire, Interviews, Observations, Projective techniques, sociometry etc.
- Primary data and secondary data, sources and their limitations.

**Unit 3 : Data Processing and its Analysis**

- Editing, Classification and Tabulation
- Statistical measures for single, Bi and multi-variate analysis

**Unit 4 : Report Writing**

- Introduction
- Research Methodology
- Results / Findings
- Discussion
- Summary and conclusion
- References and Appendix

**Unit 5 : Participatory Rural Appraisal**

- Concept, Meaning
- Principles of PRA
- Major methods of PRA
- Limitations of PRA as a Methodology
- PRA application in Rural Research in India

## References

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4. Vimal P. Shah  
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5. Jennifer A. Macracken Jules- N - Pretty and Rder Conway  
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7. V.P. Shah  
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8. S. Srinivas Rao  
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Paper No : 2  
Paper Title : **Computer Application in Rural Studies**

**Objectives :**

This course is designed to impart the knowledge about computer and its application in Rural Studies. It will also help students for operating computer and do their statistical analysis effectively by using appropriate statistical methods.

**Unit 1 : Fundamentals of Computers**

- Computer Block Diagram
- I/O Devices
- Memory :
  - Primary Memory
  - Secondary Memory
- Peripherals
- Classification of Computers
- Software :
  - What is Software?, Types of Software, Classification of Software, Network Fundamentals

**Unit 2 : Operating Systems**

- What is Systems ?
- Why OS is required ?
- Classification of OS
- Tasks of OS

**Unit 3 : Windows World**

- Creating Document
- Formatting Document
- Spellchecker
- Tables and Table formatting
- Working with Charts
- Working with Functions
- Drawing, Graphics and Word art
- Mail Merge
- Printing of Document

**Unit 4 : Excel**

- Introduction to Excel
- Creating Workbook
- Worksheet and Functions
- Working with Charts
- Data Handling in Excel

## **Unit 5 : SPSS ( Statistical Package for Social Sciences )**

1. Summary Statistics using Frequencies
  - Using frequencies to study nominal, ordinal and scale data
  - Summarizing transformed data
  
2. Summary Statistics using Descriptive
  - Using descriptive to study quantitative data
  - Descriptive statistical tables
  
3. Cross-tabulation and Cross-Classification
  - Using Cross-Tabs to study Nominal-by-Nominal Relationships
  - Chi-Square Test
  - Symmetric and Directional Measures