

## MEC-201\_Research Methodology-2

### Objectives :

To enable:

- Familiarize the students with Sampling techniques for data collection.
- Enable students to understand methods of qualitative research in the field of education.
- Train the students to use appropriate data analysis technique for quantitative and qualitative methods.
- Enable the students to prepare their research report in APA style.
- Familiarize the students with the entire research process.

Paper	Research Methodology-2	Credit
<b>Unit-1</b>	<b>Sampling</b>	<b>1</b>
A	Population and Sampling	
B	Importance of Sample	
C	Characteristics of Good Sample	
D	Types of Sampling- Random, Stratified, Systematic, Cluster, Purposive, Incidental	
<b>Unit-2</b>	<b>Qualitative Method of Research</b>	<b>1</b>
A	Qualitative Research: Meaning, steps and characteristics	
B	Phenomenology and Ethno-methodology	
C	Naturalistic inquiry and grounded theory	
D	Mixed Research- Meaning, Fundamentals principles, strength and weaknesses, types and limitations	
<b>Unit-3</b>	<b>Data Analysis Techniques</b>	<b>1</b>
A	t-test	
B	F-test	
C	Chi-square	
D	Correlation- Multiple and Partial Correlation Technique	
E	Mann Whitney –U test	
<b>Unit-4</b>	<b>Research Report Writing</b>	<b>1</b>
A	Report writing: Thesis and Research paper.	
B	Review of related literature and discussion of findings	
C	Evaluation of Research Report.	
D	Referencing and Bibliography	

### Suggested Reading:-

Alison Lee and Susan Damby :*Reshaping Doctoral Education – International Approaches and Pedagogies*,Rocelfledge Talorandfrancis group  
 Andy Hunt :Your Research Project - *How to manage it* (Routledge Publication)  
 Burke Johnson, Larry Christensen :*Educational Research - Quantitative, Qualitative and Mixed Approaches* (Sage Publication)

Carter V. Good :***How to do Research in Education*** (Education Handbook Series)(Cosmo publications)

John W. Best, James U. Kahn :***Research in Education - Tenth Edition***, PhiLearning Private limited, New Delhi - 110001

Jonathan Grire: ***The foundation of Research***, (Palgrave Macmillan Study Guide)

Jottn W. Creswell :***Educational Research Planning, Conducting and Evaluating Quantitative and Qualitative Research***, 4th Edition Phi Learning Pvt. Ltd. - New Delhi - 110001

L.R. Gay, Geoffrey E. Mills, Peter Airasian :***Educational Research -Competencies for Analysis & Applications*** (Pearson Publications)

Maria Piantomida, Noreen B. Garman : ***A guide for students and faculty – The Qualitative Dissertation 2nd Edition*** , Forward By Frances Schoonmaker Corwin asage company

Muniruddin Qureshi :***Educational Research***, (Anmol Publication Pvt. Ltd.).

Rachod, Antonius: ***Interpreting Quantitative Data with SPSS*** (Sage Publication)

Renata Phelps, Kath Fisher and Allan Ellis : ***Organizing and Managing your Research A Practical Guide for Post Graduates***, (Sage Publication)

Ritu Sharma, ***Educational Research and Statistics*** (Alfa Publications)