

## **Research design**

- ❖ Research design is the framework of research methods and techniques chosen by research.
- ❖ A design that produce the least margin of error in experimental research
- ❖ Essential element of research design
  1. Accurate purpose statements
  2. Techniques to be implemented for collecting and analysing research
  3. The method applied for analysing collecting details
  4. Type of research methods
  5. probable objective for research
  6. Setting for the research study
  7. timeline
  8. measurement of analysis

## Four Characteristic of Research design

- a) Neutrality
- b) Reliability
- c) Validity
- d) Generalisable

### Research design

Qualitative

Aim -why  
-What

Quantitative

- Matter of second paper
- Orther Division

1. Descriptive research design
2. Experimental
3. Correlational research design
4. Diagnostic research design
5. Explanatory research design

Research methods				
Non-Experimental		ex Post facto	experimental	
<u>Descriptive</u>	<u>Cultural</u>		laboratory	quasi
<ul style="list-style-type: none"> <li>• Observation</li> <li>• Survey</li> <li>• Archival</li> <li>• Longitudinal</li> <li>• Cross-sectional</li> </ul>	<ul style="list-style-type: none"> <li>• Sociometric</li> <li>• cross cultural</li> <li>• ethnographical research</li> <li>• Phenomenological research</li> </ul>		field	

#### Others

- qualitative
- quantitative
- exploratory
- conformatory
- naturalistic
- etc

