

# Research Methodology

# What is Research ?

1. A voyage of discovery; A journey; An attitude; An experience; A method of critical thinking; A careful critical enquiry in seeking facts for principles
2. An art of scientific investigation
  - Scientific and systematic search for pertinent information on a specific topic
  - Process of arriving at dependable solutions to problems through the planned and systematic collection, analysis and interpretation of data
3. A systematized effort to gain new knowledge; A movement from the known to the unknown

- Search for (new) knowledge/ facts through objective, systematic and scientific method of finding solution to a problem
- Implicit question + Explicit answer + data to answer the question
- Not synonymous with commonsense, but systematic, objective (purposeful), reproducible, relevant activity having control over some factors

4. An activity caused by instinct of inquisitiveness to gain fresh insight / find answers to question / acquire knowledge

*In a broad sense, everyone does research, but don't write it up; Without trustworthy and tested published research available we are dangerously lost in the experience, opinions and hearsay*

## Why research ?

1. To get a degree
  2. To get respectability
  3. To face a challenge
  4. To solve a problem
  5. To get intellectual joy
  6. To serve society
- **by increasing standard of living in case of S&T, and**
  - **by showing right path to society in case of Social and Behavioural Sciences**