

DEPARTMENT OF HUMANITIES & SOCIAL SCIENCES

Programme: Ph. D

Course Title: Research Methodology in Social Sciences

Course Category: Pre-PhD Course Work

Internal: 50 Marks

Course Code: HUT-701

Theory: 50 Marks

Credits: 4 (L-4)

Total: 100 Marks

Semester: Odd/Even

Time: 3hrs

Note: Six questions to be set covering all the units. The examinees shall have to attempt any five questions. All questions shall carry equal marks.

Course Objectives

The main objectives of this course is to introduce research and various methods of research, research design, literature survey, data handling and quantitative techniques. The scholars will also be introduced with concepts of copyrights and patents which will be useful for their further research.

Unit-I: Introduction to Research Methodology and Review of Literature

Types of research, its approaches & significance, Research and scientific methods, Steps involved in research process, Criteria of good research & problems for researchers. Definition of the research problems: Identifying and formulating the problem, Necessity of defining the research problem and techniques involved in it, Types of research designs and basic principles.

Unit-II: Data Collection and Basic Statistics

Data Collection: Primary sources, secondary sources, collection of data through questionnaire, schedules, focused group discussion. Descriptive analysis: Mean, Median, Mode, and Standard Deviation. Inferential statistics: Probability theory, hypothesis testing, t test, f- test, Chi² test, ANOVA.

Unit-III: Quantitative Techniques

Regression Analysis: simple and multiple, regression assumptions, Problems of Auto-correlation: Multi-collinearity and Heteroscedasticity. Multivariate Analysis: factor analysis, cluster analysis and conjoint analysis

Unit-IV: Meaning and Content of IPR

Patents: Meaning of Patent, Copyright: Meaning & Scope of Copyright, Concept of Originality, Provisions of TRIPS Agreement and its Implications. Trademark: Definition of Trademark, Certification Marks, Service Marks, Property Marks, Well-known Marks, Domain name protection, provisions of TRIPS Agreement and its Implications.

Course Outcomes

At the end of this course, the scholars should be able to understand some basic concepts of research and its methodologies, the necessity of defining the research problem and techniques involved in it, organize & conduct research in a more appropriate manner and defining their research problems.

Suggested Readings

- Kothari, C.R., Research Methodology: Methods and Techniques
- Foercese, D.P. and Richer, S., Social Research Methods.
- Feeber, R. and Verdoom, P.J. Research Methods in Economics and Business.
- Wilkinson, T.S. & Bhandarkar, P.L., Methodology and Techniques of Social Research
- Gujarati, D.N., Basic Econometrics, 4th Edition, McGraw-Hill, New York.
- Richard Stim (2008) Intellectual Property Copyrights, Trademarks, and Patents (Cengage Learning India Private Limited)