

24SS802 Research Methodology in Indian Knowledge System 4 0 0 4

CO No.	Course Outcomes
CO1	Understanding different methods and techniques of research
CO2	Comprehending and examining research methods and techniques crafted for the Indian Knowledge System
CO3	Analyzing research trends and practices in the Indian Knowledge System

Unit 1

Meaning of research – Types of research – Research process – Problem definition – Objectives of research – Research questions – Research design – Approaches to research – Quantitative vs. qualitative approach- Quantitative Methods: Introduction – Characteristics of Quantitative Research; Reporting of a quantitative study, Basic Research Design for Quantitative Studies; Qualitative Methods: Introduction, Characteristics of Qualitative Research- Design- Naturalistic, Emergent, Purposeful – Understanding theory – Building and validating theoretical models – Exploratory vs. confirmatory research – Experimental vs theoretical Research – Importance of reasoning in research.

Unit 2

Introduction to Research in IKS: Term ‘Research’ in IKS, Topics in IKS, methodology of Tantrayukti, Determining the area of research, Methodologies in IKS Research, Selection of research topic, Approaches of research in IKS- Select books and papers – Philology and Criticism – Textual reading of standard commentaries (like Śāṅkarabhāṣya) to understand the Indic approach of argument building and arriving at a conclusion

Unit 3

Problem formulation – Conducting literature review – Referencing – Information sources – Information retrieval – Role of libraries in information retrieval – Tools for identifying literatures – Indexing and abstracting services – Citation indexes - Development of hypothesis – Field experiments - Numerical and graphical data analysis – Observation – Surveys -Inferential statistics and interpretation of result. Preparation of dissertation and research papers – Tables and illustrations – Guidelines for writing the abstract, introduction, methodology, results and discussion, conclusion sections of a manuscript – References, citation, and listing system of documents. Ethics of Research- Scientific Misconduct- Forms of Scientific Misconduct. Plagiarism, Unscientific practices in thesis work

Evaluation pattern-

Exam	Marks	Weightage	
Mid Term	50	30	Internal
Assignment	20	20	
End Semester	100	50	External

References-

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5. Dash, K.C. (1992). *Elements of Research Methodology in Sanskrit*, Varanasi, Uttar Pradesh: Chaukhambha.
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8. Jha, V.N. *An Introduction to Classical Indian Research Methodology*, CIF.
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