SCHOOL OF STUDIES IN LIBRARY AND INFORMATION SCIENCE
PT. RAVISHANKAR SHUKLAUNIVERSITY, RAIPUR (C.G.)

Ph.D. – Course Work in Library & Information Science
Session: 2021-2022 Onwards

Duration: One Semester (Six Months)

Paper	Title and Paper	Theory F.M.	Pass Marks
1			
2	**Research Methodology**	100	50
3	**ICT and Computer Literacy**	100	50
4	**Research and Publication Ethics (RPE)**	100	50
	Project/Seminar	100	50
	Total	400	200

Paper – I
Research Methodology

- **Research:**Characteristics, Types &Steps in research, Identification, Selection and formulation of research problems, Research questions, Review of Literature.

- **Hypothesis:** Definition and Types, Formulation & Testing. Standard Error& Point and Interval estimates.

- **Sampling theory:** Types of Sampling, Steps in Sampling. Methods of Data Collection.

- **Statistical Methods:** basic concepts& its implication in research,Measures of Central Tendency. Dispersion, Skewness and Kurtosis in Research.

- **Writing Proposal&Report:** Introduction of Synopsis & summary writing. Information Presentation, Presentation of Bibliography and citation. Editing the Final Draft, Evaluating the Final Draft.

Paper – II
ICT and Computer Literacy

- **Computer:** Introduction, Computer Architecture and Storage Devices

- **Operating Systems:** Basic introduction to windows& Linux.

- **Internet:** Basics of Internet; Search engine and Meta search engines, Internet search techniques, Internet Security.

- **Electronic Resources:** Web resources, online databases, electronic journals, e-books& on- line indexing and abstracting services, Services Offered by Library Networks.

- **Word Processor Software:** MS Word, MS EXCEL, MS Power Point

- **Statistical Tools:** Statistical software available for analysis and graphical representation: SPSS, etc.

Paper - 3
Research and Publication Ethics (RPE)

THEORY
RPE 01: PHILOSOPHY AND ETHICS (3hrs.)
1. Introduction to philosophy : definition, nature and scope, concept, branches
2. Ethics: definition, moral philosophy, nature of moral judgements and reactions

RPE 02: SCIENTIFIC CONDUCT (5hrs.)
1. Ethics with respect to science and research
2. Intellectual honesty and research integrity
3. Scientific misconducts: Falsification, Fabrication, and Plagiarism (FFP)
4. Redundant publications: duplicate and overlapping publications, salami slicing
5. Selective reporting and misrepresentation of data

RPE 03: PUBLICATION ETHICS (7hrs.)
1. Publication ethics: definition, introduction and importance
2. Best practices / standards setting initiatives and guidelines: COPE, WAME, etc
3. Conflicts of interest
4. Publication misconduct: definition, Concept, problems that lead to unethical behaviour and vice versa, types
5. Violation of publication ethics, authorship and contributorship
6. Identification of publication misconduct, complaints and appeals
7. Predatory publishers and journals

PRACTICE
RPE 04: OPEN ACCESS PUBLISHING (4hrs.)
1. Open access publications and initiatives
2. SHERPA/RoMEO online resource to check publisher copyright & self-archiving policies
3. Software tool to identify predatory publications developed by SPPU
4. Journal finder/journal suggestion tools viz. JANE, Elsevier Journal Finder, Springer Journal Suggester, etc.

RPE 05: PUBLICATION MISCONDUCT (4hrs.)

A. Group Discussions (2hrs.)
1. Subject specific ethical issues. FFP, authorship
2. Conflicts of interest
3. Complaints and appeals: examples and fraud from India and abroad

B. Software tools (2hrs.)
Use of plagiarism software like software tools Turnitin, Urkund and other open source software tools

RPE 06: DATA BASES AND RESEARCH METRICS (7hrs.)
A. Databases (4hrs.)
1. Indexing databases
2. Citation databases: Web of Science. Scopus, etc.
B. Research Metrics (3hrs.)
1. Impact Factor of journal as per Journal Citation Report, SNIP, SJR, IPP, Cite Score
2. Metrics: h-index, g index, i10 index, altmetrics.