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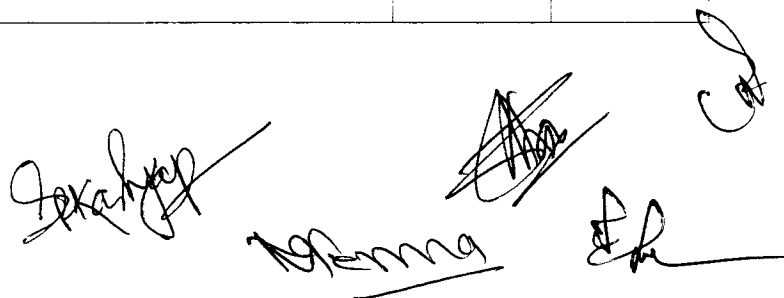## PT. RAVISHANKAR SHUKLAUNIVERSITY, RAIPUR (C.G.)

Ph.D. – Course Work in Library & Information Science
Programme Code – Ph.D.-130
Session: 2024-2025 Onwards

Duration: One Semester (Six Months)

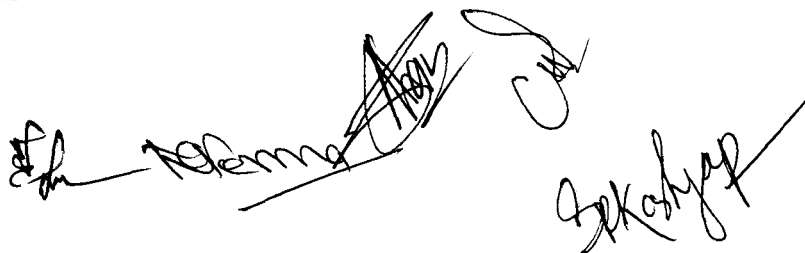| Paper	Courses Code	Title and Paper	Theory F.M.	Pass Marks
1	401RM	Research Methodology	100	50
2	402ICT	ICT and Computer Literacy	100	50
3		Project/Seminar	100	50
		Total	300	150

Learning Outcomes and Syllabus Contents of Each Course

Paper – I
Research Methodology
(Course Code- 401RM)

Learning Outcomes:

After studying this paper, students shall be able to:

1. Know about research: concept of research and process of research.
2. Understand the research design and Identification and formulation of problem of research.
3. Understand the hypotheses, testing of hypotheses.
4. Know about research methods, tool and technique.
5. Understand Data analysis and Interpretation, tabulation and generalization.
6. Understand the design and development of content analysis.
7. Understand the Citation-theory and analysis.
8. Understand Designing research proposal.
9. Understand the citing bibliographical references.
10. Know about current trends in library and information science research.

- **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
(Course Code- 402ICT)

Learning Outcomes:

After studying this paper, students shall be able to:

1. Know about create, edit and manage files using Word processing and Power Point Presentation software.
2. Understand Internet-Basic features and tools.
3. Carry out library housekeeping operations using library management software.
4. Understand the using library management software.
5. Know about data base management system.

- **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.