

Ph.D. Course Work

SYLLABUS

Session: 2025-26

INSTITUTE OF MANAGEMENT

PT. RAVISHANKAR SHUKLA UNIVERSITY, RAIPUR

Pre-Ph.D. Course Work (Session 2024-25)

Paper 1: Research Methodology

- Concepts of Research, Research Process and Planning for Research, Formulation of Research Problem. Research Designs – Exploratory, Descriptive and Experimental Research Designs, Sampling Design.
- Hypothesis Testing: Parametric and Non-Parametric Tests, especially t-test, Z test, ANOVA (F test), Chi square test. Data Analysis and Interpretation of Data. Use of SPSS for Data Analysis, Drawing Inferences.
- Report Writing, Ethical issues in Social Sciences Research, Nuances in publishing process in academic journals: Citation Index, h-Index, i10-Index, JIF and Journal Metrics, References : different styles like APA, Havard, Chicago and MLA., Use of Internet Resources for research: Google & Google Scholar, Infilbnet resources.
- Research Philosophy and Ethics with respect to science and research, Scientific conducts: Research Ethics, Intellectual honesty, Research Integrity; Scientific Misconducts: Falsification, Fabrication, Plagiarism; Redundant Publication: duplicate and overlapping, salami slicing.; Selective reporting and misrepresentation of data
- Publication Ethics: definition, Importance; Best practices / standards setting initiatives and guidelines: COPE, WAME, etc; Conflicts of interest; Publication misconduct: definition, concept, problems that lead to unethical behavior and vice versa, types; Violation of publication ethics, authorship and contributorship Identification of publication misconduct, complaints and appeals; Predatory publishers and journals
- Open access publishing: Open access publications and initiatives, SHERPA/ROMEO online resource to check publisher copyright & self-archiving policies; Software tool to identify predatory publications; Journal finder/journal suggestion tools viz. JANE, Elsevier Journal Finder, Springer, Journal Suggester, etc.
- Publication misconduct: authorship; Conflicts of interest; Complaints and appeals: examples and fraud from India and abroad; Software tools; Use of plagiarism software like Turnitin, Urkund and other open source software tools;
- Databases and research metrics: Databases: Indexing databases, Citation databases: Web of Science, Scopus, etc. Research Metrics: Impact Factor of journal as per Journal Citation Report, SNIP, SJR, IPP, Cite Score; Metrics: h-index, g index, i10 index, altmetrics

Paper 2: Review of Literature and Seminar

1. Project based on review of research work: use of literature, knowledge of national and International Journals, Impact factor, Citation index, SCI Journals. (To be supervised and evaluated by Guide concerned).
2. Seminars; Open seminar, evaluation will be done by member of DRC.