SYLLABI AND SCHEME OF EXAMINATION FOR
Ph.D COURSE WORK (COMMERCE)
W.E.F. SESSION 2025-26

DEPARTMENT OF COMMERCE
INDIRA GANDHI UNIVERSITY MEERPUR REWARI (Hr.)
(Established under State legislature Act 29 of 2013)

Scheme & Syllabi of Examination of
Ph. D Course work (Commerce) w.e.f. the session 2025-26

The Ph.D coursework is a full time regular programme. The entire Ph.D coursework syllabus is spread over in one semester consisting of 12 credits. The evaluation pattern both for internal as well as external examinations is as per University Regulations.

There will be following scheme and courses:

Course Code	Course	Course Credit(L+T+P)	Marks Distribution		
			Theory	IA	Total
25L8.0- COM-101	Research Methodology	4(4+0+0)	70	30	100
25L8.0- COM-102(A)/	Quantitative Techniques and Computer Applications in Commerce	4(3+0+1)# (Elective)	70	30	100
25L8.0- COM-102(B)/	Quantitative Techniques and Computer Applications in Accounting & Finance				
25L8.0- COM-102(C)	Quantitative Techniques and Computer Applications in Marketing Research				
25L8.0- RPE-103	Research and Publication Ethics	2(2+0+0)	40	10	50
25L8.0- COM-104	*Review of Literature & Seminar	2(1+0+1)	00	50	50
	Total	**12**			300

*For **Review of Literature & Seminar** course, Students must review 15–20 research papers in their area of interest. Seminar in thrust area/Research Assignment/Literature/Survey, etc will be evaluated by DRC. In case of any dispute, the Chairperson's decision shall be final.

- **The courses having an internal assessment of 30 marks** will comprise one written test of (10 marks), one written assignment (10 marks) and one presentation (10 marks).
- **The Internal assessment of Research and Publication Ethics** will comprise of one written assignments of 10 marks.
- Records must be maintained for at least six months after the result declaration.
- The practical component of Subject Elective will be assessed in internal assessment.

Students will select one subject Elective Course out of three Elective Courses mentioned in scheme of coursework.

Programme Outcomes

Expected Programme outcomes of Ph.D Coursework (Commerce) are summarized below:

PO 1: Expertise in broad-based knowledge of scientific research in area of business and management and their application for social welfare.

PO 2: Expertise in research methodology, use of software in research and advanced Data Analysis Techniques including quantitative and qualitative methods.

PO 3: Ability to demonstrate original and significant contribution towards scientific knowledge base in their area of research.

PO 4: Research career, including publications, Academic writing and conference presentations.

PO 5: Demonstrating ability relevant to their own research interests and specific knowledge for confirming or challenging existing theories and providing valuable educational experience to students.

PO 6: Developing the sense of social responsibility and ethical behavior in research and publications.

<table>
<tr><td colspan="2" align="center">Part-A Introduction</td></tr>
<tr><td colspan="2" align="center">Session2025-26</td></tr>
<tr><td>Name of Programme</td><td>Ph.D. Course Work in Commerce</td></tr>
<tr><td>Semester</td><td>01</td></tr>
<tr><td>Name of the course</td><td>Research Methodology</td></tr>
<tr><td>Course Code</td><td>25L8.0-COM-101</td></tr>
<tr><td>Course Type</td><td>Core / Compulsory Course</td></tr>
<tr><td>Maximum Marks</td><td>100(End Term exam: 70 +Internal Assessment 30)</td></tr>
<tr><td>Total Credits</td><td>04 (Theory/Lecture)</td></tr>
<tr><td>Total Contact Hours</td><td>60 Hours</td></tr>
<tr><td>Time Allowed for End Term Exam</td><td>03 Hours</td></tr>
</table>

<div align="center">Instructions for paper setter</div>

The examiner shall set nine questions in all. Question No.1 will be compulsory covering all the units and shall carry seven small questions of two marks each. The rest of the eight questions will be set on two questions from each unit basis, out of which the candidate shall attempt four questions selecting one question from each unit. All questions shall consist of 14 marks each.

<table>
<tr><td>Course learning outcomes</td><td>After completing the course, the students' scholars would be able to:
CO1: Understanding the concepts research and research design, role of research in commerce and management, types of research, Collection and Interpretation of Data.
CO2: Defining the research problem and review of Existing literature to find out research gaps
CO3:Effective ways of Data Collection and constructing of sound questionnaires. Data Scaling and Sample Design.
CO4: Use of Data analysis techniques and effective writing and presentation of research report</td></tr>
</table>

<div align="center">Part-B Contents of the Course</div>

Unit	Topic	Contact Hours
I	Research; Meaning, Characteristics, Types and relevance of Research; Research Process; Identification and Formulation of the Research Problem. Hypothesis: Meaning, Types, Need, Functions and Sources of Hypothesis; Process of setting Hypothesis. Concepts: Meaning, Significance, Characteristics, Types and Operationalization of Concepts.	15
II	Research Design: Meaning, features, Need and Component of Research design; Research Design for Exploratory or Formulative Research Studies, Descriptive and Diagnostic Research Studies and Research Design for Hypothesis Testing or Experimental Research Studies. Sample Design: The Concept and Aim of Sampling, Census versus Sample Surveys, Characteristics of a Good Sample, and Basis of sampling. Sampling Technique or Methods: Probability Sampling, Non- probability sampling; Problems in sampling. Sample	15

	Size Determination.	
III	Measurement: Concept, Levels and Component of Measurement, Techniques of Developing Measurement Tools, Sources of Error in Measurement, Test of Sound Measurement. Scaling: Meaning of Scaling, Basis of Scales-classification, Important Scaling Techniques-Rating and Ranking, Approaches of Scale Construction, Different Types of Scale-Arbitrary Scale, Differential Scale, Summated Scales, and Cumulative Scale	15
IV	Data Collection, Interpretation and Presentation: Meaning, Types, Importance and Sources of Data; Primary Source and Secondary Sources: Documentary Method, Questionnaire Method (including online questionnaire via Google doc.), Schedule Method, Interview Method, Observation Method. Processing of Data: Editing, Coding, Classification, Tabulation. Artificial Intelligence: Meaning and Role of Artificial Intelligence in research. Interpretation and Presentation: Form of Interpretation, Prerequisites for Interpretation, Precautions, Conclusion and Generalization, Sources of Error in Interpretation. Presentation: Descriptive, Graphical, Diagram and Tabular Presentation. Report Writing: Meaning, Functions, Types of Research Report, Steps of Planning Report Writing, Research Report Format and Principles of Report Writing. Drafting a Research Proposal.	15

Part-C Learning Resources

Suggested Readings

- Deepak Chawla and Neena Sondhi, Research Methodology Concepts and Cases, Vikash Publishing House Pvt. Ltd., New Delhi.
- C.R. Kothari, Research Methodology Methods and Techniques, New Age International Publishers, New Delhi.
- P.Paneerselvam, Research methodology, PHI, New Delhi.
- K.V.Rao, Research Methodology in Commerce and Management, Sterling, New Delhi.
- R. Parshad Sharma and P. Satyanarayan, Research Method in Social Science, Sterling, New Delhi.
- K.N. krishana Swami, AppaIyer Shivkumar and M. kathirajan, Management Research Methodology, Pearson, New Delhi.
- Wilkinson and Bhandarkar, Methodology and Technique of Social Research, Himalaya, New Delhi.
- P. Saravanval, Research Methodologhy, KitabMehal, New Delhi.
- V.P. Michael, Research Methodology in Management, Himalaya, New Delhi.
- S.N. Murthy and U. Bhojanna, Business Research Methods, Excel, New Delhi.
- Deepak Kumar Bhattacharya, Research Methodology, Excel, New Delhi.

Part-D

Mapping of Course Outcomes with Programme Outcomes:

Course Outcomes	PO1	PO2	PO3	PO4	PO5	PO6
CO1	S	S	M	M	S	M
CO2	S	S	M	S	S	S
CO3	S	S	S	S	S	S
CO4	S	S	S	M	S	S

S=Strong, M=Medium,W=Weak

Part-A Introduction	
Session: 2025-26	
Name of Programme	**Ph.D. Course Work in Commerce**
Semester	**01**
Name of the course	**Quantitative Techniques and Computer Applications in Commerce**
Course Code	**25L8.0-COM-102(A)**
Course Type	Elective Course
Maximum Marks	100 (End Term exam: 70 +InternalAssessment30)
Total Credits	04 (03Theory/Lecture + 01 Practical)
Total Contact Hours	75 Hours
Time Allowed for End-Term Exam	03 Hours

Instructions for paper setter

The examiner shall set nine questions in all. Question No.1 will be compulsory covering all the units and shall carry seven small questions of two marks each. The rest of the eight questions will be set on two questions from each unit basis, out of which the candidate shall attempt four questions selecting one question from each unit. All questions shall consist of 14 marks each.

Course learning outcomes	After completing the course, the students'/ scholars would be able to:
	CO1: The students will be able to understand and use the various tools and techniques for data analysis like descriptive and inferential statistics.
	CO2: It will enable the students to use Regression Analysis, Parametric and Non-Parametric tests for hypothesis testing.
	CO3: Learning the use of basic econometric tools and techniques in research and data analysis.
	CO4: Analyzing data using MS Excel, SPSS, E-Views and other relevant Software.

Part-B Contents of the Course		
Unit	**Topic**	**Contact Hours**
I	Descriptive statistical techniques with their applications: Measurement of central tendency, Dispersion, Skewness, Kurtosis Correlation and Regression: Simple, Partial and Multiple and their application in Research.	11
II	Inferential Statistics: Sampling distributions for large samples and small samples Statistical Testing: Hypothesis Testing, Testing in relation to confidence level, One tail and Two tail testing. Parametric tests: T-test and Analysis of Variance – one way classification, two-way classification.	12

III	Non–Parametric Tests: The Runs test of randomness; tests of two-matched samples: Wilkoxson test, Signed Rank- Sum test; test involving two independent samples: The Mann- Whitney U Test; tests for K samples: The Kruskal Wallis H test, Friedman's test. Chi-Square test & its application. Introduction to Multivariate Techniques: Cluster Analysis, Factor Analysis, Reliability Analysis.	11
IV	Basics of Econometrics: OLS Regression and its Assumptions; Stationarity, Multicollinearity, Heteroskedasticity and Auto-correlation. AR, MA, ARMA and ARIMA Modelling; Granger Causality Test, VAR and VECM. Panel Data Analysis: Fixed Effect and Random Effect Model. Introduction to ARCH & GARCH.	11
V	**Practical Component** **Application of SPSS** Data Screening and Transformation: Errors in data entry; Accessing Normality & Homogeneity of variance; Data transformation – recode, compute, data selection. Data Analysis: Descriptive statistics – Frequency Distribution, measurement of central tendency and variability; Reliability test, Correlation & Regression; One Sample t-test, Repeated measures t-test and independent groups t-test; One-way and Two-way ANOVA with post-hoc comparisons; Chi-square test. Factor Analysis **Application of E-Views** Introduction to E-Views Software, Application of E-Views in Regression analysis, AR, MA, ARMA and ARIMA Modelling; Assessing Stationarity, Multicollinearity & Heteroskedasticity, Application of E-Views in Granger Causality Test, VAR Model & VECM, Fixed Effect and Random Effect Models.	30

Part-C Learning Resources	

Suggested Readings

- R.P.Hooda. Statistics for Business and Economics. Vikas Publishing House.
- S.P. Gupta. Statistical Method
- Andy Field. Discovering Statistics Using SPSS. Sage Publications
- A Koutsoyiannis. Theory of Econometrics. Palgrave Publication.
- Damodar Gujrati, Dawn Porter, Sangeeta Gunasekar. Basic Econometrics. McGraw Hill Education.
- Srivastava, Shenoy and Sharma - Quantitative Techniques for Managerial Decision.
- Sheridan J Coakes; Lyndall Steed and Peta Dzidic. SPSS for Windows – Analysis without Anguish. Wiley India.
- Julie Pallant. SPSS Survival Manual. Tata Mc Graw Hill
- Kiran Pandya, SmrutiBulsari, Sanjay Sinha. SPSS IN SIMPLE STEPS. Wiley India.
- Uma Sekaran and Roger Bougie. Research Methods for Business. Wiley India.
- Chris Brooks. Introductory Econometrics for Finance. Cambridge University Press.

Part-D

Mapping of Course Outcomes with Programme Outcomes:

Course Outcomes	PO1	PO2	PO3	PO4	PO5	PO6
CO1	S	S	M	M	S	M
CO2	S	S	M	S	S	S
CO3	S	S	S	S	S	S
CO4	S	S	S	M	S	S

S=Strong, M=Medium, W=Weak

Part-A Introduction	
Session 2025-26	
Name of Programme	Ph.D. Course Work in Commerce
Semester	01
Name of the course	Quantitative Techniques and Computer Applications in Accounting & Finance
Course Code	**25L8.0-COM-102(B)**
Course Type	Elective Course
Maximum Marks	100(End Term exam: 70 +Internal Assessment30)
Total Credits	04(03 Theory/Lecture + 01 Practical)
Total Contact Hours	75 Hours
Time Allowed for End-Term Exam	03 Hours

Instructions for paper setter

The examiner shall set nine questions in all. Question No.1 will be compulsory covering all the units and shall carry seven small questions of two marks each. The rest of the eight questions will be set on two questions from each unit basis, out of which the candidate shall attempt four questions selecting one question from each unit. All questions shall consist of 14 marks each.

Course learning outcomes	After completing the course, the students'/ scholars would be able to: CO1: To critically understand and analyze the contemporary researchable issues in the discipline of Accounting and Finance CO2: The students will be able to understand and use the various tools and techniques for data analysis like descriptive and inferential statistics CO3: It will enable the students to use Regression Analysis, Parametric and Non-Parametric tests for hypothesis testing. CO4: Learning the use of basic econometric tools and techniques in research and data analysis. Analyzing data using MS Excel, SPSS and E-Views and other relevant Software.

Part-B Contents of the Course		
Unit	Topic	Contact Hours
I	Contemporary research issues in Accounting: Corporate Financial Reporting Practices, Sustainability Reporting, Implementation of Ind AS, Forensic Accounting Contemporary research issues in Finance: Sustainable Finance and ESG, Fin Tech, Financial Inclusion, Indian Capital Markets, Behavioral Finance, Sustainable Corporate Governance	12
II	Descriptive statistical techniques with their applications: Measurement of central tendency, Dispersion, Skewness, Kurtosis Correlation and Regression: Simple, Partial and Multiple and their application in Research.	11

III	Inferential Statistics: Sampling distributions for large samples and small samples Statistical Testing: Hypothesis Testing, Testing in relation to confidence level, One tail and Two tail testing. Parametric tests: T-test and Analysis of Variance – one way classification, two-way classification. Introduction to Non-Parametric Tests.	11
IV	Basics of Econometrics: OLS Regression and its Assumptions; Stationarity, Multicollinearity, Heteroskedasticity and Auto-correlation. AR, MA, ARMA and ARIMA Modelling; Granger Causality Test, VAR and VECM. Panel Data Analysis: Fixed Effect and Random Effect Model. Introduction to ARCH & GARCH.	11
V	**Practical Component** **Application of SPSS** Data Screening and Transformation: Errors in data entry; Accessing Normality & Homogeneity of variance; Data transformation – recode, compute, data selection. Data Analysis: Descriptive statistics – Frequency Distribution, measurement of central tendency and variability; Correlation & Regression; One Sample t-test, Repeated measures t-test and independent groups t-test; One-way and Two-way ANOVA with post-hoc comparisons; Chi-square test. **Application of E-Views** Introduction to E-Views Software, Application of E-Views in Regression analysis, AR, MA, ARMA and ARIMA Modelling; Assessing Stationarity, Multicollinearity & Heteroskedasticity, Application of E-Views in Granger Causality Test, VAR Model & VECM, Fixed Effect and Random Effect Models.	30

Part-C Learning Resources
Suggested Readings - R.P.Hooda. Statistics for Business and Economics. Vikas Publishing House. - S.P. Gupta. Statistical Method - Andy Field. Discovering Statistics Using SPSS. Sage Publications - A Koutsoyiannis. Theory of Econometrics. Palgrave Publication. - Damodar Gujrati, Dawn Porter, Sangeeta Gunasekar. Basic Econometrics. McGraw Hill Education. - Julie Pallant. SPSS Survival Manual. Tata Mc Graw Hill - Kiran Pandya, SmrutiBulsari, Sanjay Sinha. SPSS IN SIMPLE STEPS. Wiley India. - Uma Sekaran and Roger Bougie. Research Methods for Business. Wiley India. - Chris Brooks. Introductory Econometrics for Finance. Cambridge University Press.

Mapping of Course Outcomes with Programme Outcomes:

Course Outcomes	PO1	PO2	PO3	PO4	PO5	PO6
CO1	S	S	M	M	S	M
CO2	S	S	M	S	S	S
CO3	S	S	S	S	S	S
CO4	S	S	S	M	S	S

S=Strong, M=Medium, W=Weak

Part-A Introduction	
Session 2025-26	
Name of Programme	**Ph.D. Course Work in Commerce**
Semester	**01**
Name of the course	**Quantitative Techniques and Computer Applications in Marketing Research**
Course Code	**25L8.0-COM-102(C)**
Course Type	Elective Course
Maximum Marks	100(End Term exam: 70 +InternalAssessment30)
Total Credits	04(03 Theory/Lecture + 01 Practical)
Total Contact Hours	75 Hours
Time Allowed for End-Term Exam	03 Hours

Instructions for paper setter

The examiner shall set nine questions in all. Question No.1 will be compulsory covering all the units and shall carry seven small questions of two marks each. The rest of the eight questions will be set on two questions from each unit basis, out of which the candidate shall attempt four questions selecting one question from each unit. All questions shall consist of 14 marks each.

Course learning outcomes	After completing the course, the students'/ scholars would be able to: CO1: **Critically analyze contemporary and emerging marketing issues**, including AI-driven and digital marketing practices, changing consumer behavior, sustainability and neuro-marketing, and evaluate their **strategic, ethical, and research implications** for modern marketing theory and practice CO2: It will enable the students to use Regression Analysis, Parametric and Non-Parametric tests for hypothesis testing. CO3: Analyzing data using Multivariate techniques. CO4: Analyzing data using MS Excel, SPSS, AMOS and other relevant Software.

Part-B Contents of the Course		
Unit	**Topic**	**Contact Hours**
I	Contemporary Issue in Marketing: AI Marketing, Digital Marketing, Social Media Marketing, neuro-marketing, Green Marketing, Green Washing, AI-Enabled Personalization, Marketing Automation, Cha-tbots, Recommendation Systems, and Predictive Analytics, along with issues of Algorithmic Bias, Transparency, and Consumer Trust, Changing consumer behavior in the digital environment; online information search, electronic word-of-mouth (e-WOM), Emerging and future issues in marketing including metaverse and immersive marketing, voice assistants, blockchain applications, and their implications for marketing research.	12

II	Descriptive statistical techniques with their applications: Measurement of central tendency, Dispersion, Skewness, Kurtosis Correlation and Regression: Simple, Partial and Multiple and their application in Research.	11
III	Inferential Statistics: Sampling distributions for large samples and small samples Statistical Testing: Hypothesis Testing, Testing in relation to confidence level, One tail and Two tail testing. Parametric tests: T-test and Analysis of Variance – one way classification, two-way classification. Introduction to Non-Parametric Tests.	11
IV	Chi-Square test & its application. Introduction to Multivariate Techniques: Cluster Analysis, Factor Analysis, Reliability Analysis, Multidimensional Scaling Confirmatory Factor Analysis, Structural Equation Modelling, Mediation Effect, Moderation effect	11
V	**Practical Component** **Application of SPSS** Data Screening and Transformation: Errors in data entry; Accessing Normality & Homogeneity of variance; Data transformation – recode, compute, data selection. Data Analysis: Descriptive statistics – Frequency Distribution, measurement of central tendency and variability; Reliability test, Correlation & Regression; One Sample t-test, Repeated measures t-test and independent groups t-test; One-way and Two-way ANOVA with post-hoc comparisons; Chi-square test. Cluster Analysis, Factor Analysis, Reliability Analysis, Multidimensional Scaling **Application of AMOS Software** Introduction to AMOS Software, Application of AMOS in Confirmatory Factor Analysis, Structural Equation Modelling, Mediation Effect, Moderation effect.	30

Part-C Learning Resources	

Suggested Readings

- R.P. Hooda. Statistics for Business and Economics. Vikas Publishing House.
- S.P. Gupta. Statistical Method
- Andy Field. Discovering Statistics Using SPSS. Sage Publications
- Joseph F. Hair Jr. et al. Multivariate Data Analysis. Pearson.
- Julie Pallant. SPSS Survival Manual. Tata Mc Graw Hill
- Kiran Pandya, SmrutiBulsari, Sanjay Sinha. SPSS IN SIMPLE STEPS. Wiley India.
- Uma Sekaran and Roger Bougie. Research Methods for Business. Wiley India.

Part-D

Mapping of Course Outcomes with Programme Outcomes:

Course Outcomes	PO1	PO2	PO3	PO4	PO5	PO6
CO1	S	S	M	M	S	M
CO2	S	S	M	S	S	S
CO3	S	S	S	S	S	S
CO4	S	S	S	M	S	S

S=Strong, M=Medium, W=Weak

	Part-A Introduction	
	Session 2025-26	
Name of Programme	**Ph.D. Course Work in Commerce**	
Semester	**01**	
Name of the course	**Research and Publications Ethics**	
Course Code	**25L8.0- RPE-103**	
Course Type	Core/Compulsory Course	
Maximum Marks	50(End Term exam: 40 +Internal Assessment 10)	
Total Credits	02 (02 Theory/Lecture)	
Total Contact Hours	**30 Hours**	
Time Allowed for End Term Exam	03 Hours	

Instructions for paper setter

The examiner will set Eight questions in all covering the whole syllabus. Each question will consist

08 marks. The students shall be asked to attempt total five questions in all.

Course learning outcomes	At the end of the course, the students will have awareness about CO1. Understanding the philosophy of science and ethics, research integrity and publication Ethics. CO2. To identify research misconduct and predatory publications. CO3. To understand indexing and citation databases., open access publications, research metrics (Citations, h-index, Impact Factor, etc.). CO4. To understand the usage of various plagiarism tools.

	Part-B Contents of the Course	
Unit	**Topic**	**Contact Hours**
I	**RPE 01: PHILOSOPHY AND ETHICS** 1.Introduction to Philosophy: definition, nature and scope, concept, branches 2. Ethics: definition, moral philosophy. nature of moral judgment and reaction.	3
II	**RPE 02: SCIENTIFIC CONDUCT** 1. Ethics with respect to science and research 2. intellectual honesty and research integrity 3. Scientific misconducts: Falsification, Fabrication and Plagiarism (FPP) 4. Redundant publications: duplicate and over lapping publications, salami slicing 5. Selective reporting and misrepresentation of data	5

III	**RPE 03: PUBLICATIUON ETHICS** 1. Publication ethics: definition, introduction and importance 2. Best practices / standard setting initiatives and guidelines: COPE, WAME, etc 3. Conflicts of interest 4. Publication misconduct: Definition, concept, problems that lead to unethical behavior and vice versa, types. 5. Violation and publication ethics, authorship and contributorship 6. Identification of publication misconduct, complaint and appeals 7. Predatory publishers and journals	7
IV	**RPE 04: OPEN ACCESS PUBLISHING** 1. Open access publications and initiatives 2. SHERPA-ROMEO online recourse to check publisher copyright &self-archiving policies 3. Software tool of identify predatory publications developed by SPPU 4. Journals Finder/journals suggestion tools viz, JANE, Elsevier Journals Finder, Springer Journals Suggester, etc.	4
V	**RPE 05: PUBLICATION MISCONDUCT** **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 (1hrs.)** 1. Use of plagiarism software like Turnitin, Urkund and other open-source software tools	4
VI	**RPE 06: DATABASE AND RESEARCH METRICS** **A. Database (4hrs.)** 1.Indexing databases 2 Citation databases: Web of Sciences, 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, i-10 index, altmetrics	7
	Part-C Learning Resources	

Suggested Readings

- Nicolas H. Steneck. Introduction to the Responsible Conduct of Research Office ofResearch Integrity, 2007.Available at: https://ori.hhs.gov/sites/default/files/2018-04/rcrintro.pdf
- The student's Guide to Research Ethics by Paul Oliver Open University Press, 2003.
- Responsible Conduct of Research by Adil E. Shamoo; David B. Resnik Oxford University Press, 2003.
- Ethics in Science Education, Research and Governance Edited by Kambadur Muralidhar
- Amit Ghosh Ashok Kumar Singhvi. Indian National Science Academy, 2019, ISBN: 978-81-939482-1-7.https://www.insaindia.res.in/pdf/Ethics_Book.pdf
- Anderson B.H., Dursaton, and Poole M.: Thesis and assignment writing. Wiley Eastemn1997.
- Bijomn Gustavii; How to write and illustrate scientific papers? Cambridge UniversityPress.
- Bordens K_S. and Abbott, B.b. Research Design and Methods, Me Graw Hill, 2008
- Graziano, A.. M., and Raulin, M.L. Research Methods - A process of Inquiry. SixthEdition, Pearson, 2007.
- Bird, A. (2006). Philosophy of Science. Routledge
- Macintyre, Alasdair (1967) A Short History of Ethics. London.
- P. Chaddah, (2018) Ethics in Competitive Research: Do not get scooped; do not getplagiarized, ISBN: 978-9387480865
- National Academy of Sciences, National Academy of Engineering and Institute ofMedicine (2009), On Being a Scientist: A Guide to Responsible Conduct in Research: Third Edition. National Academies Press.
- Resnik, D.B. (2011). What is ethics in research & why is it important. National Institute of Environmental Health Sciences, 1-10 Retrieved from https://www.niehs.nih.gov/research/resources/bioethics/whatis/index.cfm
- Beall). (2012), Predatory publishers are corrupting open access. Nature, 489(7415).179-179.https://doi.org/10.1038/489179a

Part-D

Mapping of Course Outcomes with Programme Outcomes:

Course Outcomes	PO1	PO2	PO3	PO4	PO5	PO6
CO1	S	S	M	S	S	S
CO2	S	S	S	S	S	S
CO3	M	S	S	S	S	S
CO4	S	S	S	M	S	S

S=Strong, M=Medium, W=Weak

Part-A Introduction	
Session 2025-26	
Name of Programme	Ph.D. Course Work in Commerce
Semester	01
Name of the course	Review of Literature & Seminar
Course Code	25L8.0-COM-104
Course Type	Core/Compulsory
Maximum Marks	50 (Internal Assessment)
Total Credits	02(01Theory/Lecture+01 Practical)
Total Contact Hours	45 Hours
Time Allowed for End Term Exam	No theory exam will be conducted

Instructions for paper Setter/Evaluator

The assessment will only be on internal basis i.e. internal assessment. The research scholars must review 15-20 research papers/ articles for comprehensive review as per the wider interest of the candidate and Seminar in thrust area/Research Assignment/Literature/Survey, etc. will be evaluated by DRC. In case of a dispute, the Chairperson's decision shall be final.

Course learning outcomes	After completing the course, the students/scholars would be able to:
	CO1: Enhance the review skills of the students and their interest about research articles.
	CO2: To promote the research orientation of students by making them familiars about various contemporary research topics.
	CO3: To enrich research orientation towards importance of LR in research and develop writing skills among students.
	CO4: To develop the original ideas and analytical skills for selecting and defining research problem on the basis of research gaps.

Part-B Contents of the Course		
	Topic	Contact Hours
	The research scholars will go through 15-20 Research papers/ Articles for comprehensive review as per the wider interest of the candidate. A Seminar Presentation in thrust area/Research Assignment/Literature/Survey will be prepared by the research scholars. Following aspects be adopted for Review of Literature: • Contemporary approaches/techniques for Literature Review such as Systematic Literature Review(SLR), Bibliometirc Analysis, Meta Analysis	15

	• Online Resources for Research: Databases and Websites • Style of Referencing: APA Style, Harvard and MLA Style. • Application of MS Word and Mendeley software in referencing, Online Citation tools	
	Practical classes will be held for the above-mentioned aspects	30

<table>
<tr><td colspan="3"><div align="center">Part-C Learning Resources</div></td></tr>
<tr><td colspan="3">Suggested Readings
Note: Since there are numerous type and sources of literature, the relevant sources/readings will be suggested among the research scholars by the concerned teachers such as Journals/Ph.D. Thesis/Dissertations/Project Reports/Reference Books/Edited Books/ other online resources.</td></tr>
</table>

Part-D

Mapping of Course Outcomes with Programme Outcomes:

Course Outcomes	PO1	PO2	PO3	PO4	PO5	PO6
CO1	S	S	M	S	S	M
CO2	S	S	S	S	S	S
CO3	M	S	S	S	S	S
CO4	S	S	S	M	S	M

S=Strong, M=Medium,W=Weak