

## **Lingaya's Vidyapeeth**

Deemed-to-be-University u/s 3 of UGC Act 1956, Government of India

**NAAC ACCREDITED**

Approved by MHRD/ AICTE/ PCI/ BCI/ COA/ NCTE

Nachauli, Jasana Road, Faridabad – 121002; Ph: 0129-2598200-05

Website: [www.lingayasuniversity.edu.in](http://www.lingayasuniversity.edu.in)

### **Constitution of Research Advisory Committee**

The Vice Chancellor is pleased to constitute the advisory research Committee of the Lingaya's Vidyapeeth, Faridabad for the Academic Year 2022-23.

#### **Members of Research Advisory Committee**

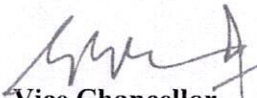
1. Vice Chancellor -(Chairperson)
2. Dean (R & D)-Representative
3. Dean (Academics)-Representative
4. 4. Director (IQAC)- Representative
5. Selected Members from Academic Councils
6. Scholar's Department Representative
7. Any other member nominated by Chairperson


The purpose of RAC is to ensure the quality work in the area of Research and give thrust to research initiatives. Some of the Function and Objectives of RAC are:

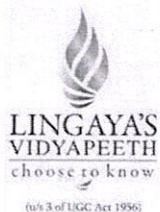
- Develop review, approve and monitor research policies.
- Approval of the thesis of Ph.D. Scholars before sending to external Examiners
- To periodically review and assist in the progress of the research work.
- To ensure quality, transparency and ethics in the research area.

The RAC will be held on quarterly basis or as called by Chairperson.

The committee supercedes all such previous committees.

  
Vice Chancellor

For LINGAYA'S VIDYAPEETH  
  
Registrar



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### **Constitution of Research Ethics Committee**

The Vice Chancellor is pleased to constitute the Research Ethics Committee of the Lingaya's Vidyapeeth, Faridabad for the Academic Year 2022-23.

#### **Members of Research Ethics Committee(REC)**

1. Vice Chancellor -(Chairperson)
2. Pro Vice Chancellor-(Member)
3. Dean (Academics)-Member
4. Dean (R & D)-Member
5. Dean of Pharmacy

Some of the responsibilities of REC are:

- To review the ethical acceptability of research projects,
- To review of research proposals prior to their initiation, and also have a continuing responsibility to regularly monitor the approved research to ensure ethical compliance during the conduct of research.
- To identify ethical issues or concerns posed by research.

The REC will be held on half-yearly basis or as called by Chairperson.

**Vice Chancellor**

For LINGAYA'S VIDYAPEETH

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**Fwd: Drillbit-Extreme "Plagiarism Detection Software"**

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Librarian LV <librarian@lingayasvidyapeeth.edu.in>  
To: Rizwan Arif <rizwan@lingayasvidyapeeth.edu.in>

Thu, Dec 14, 2023 at 1:13 PM

----- Forwarded message -----

From: **IT Department** <it@lingayasvidyapeeth.edu.in>  
Date: Fri, Oct 6, 2023 at 10:15 AM  
Subject: Drillbit-Extreme "Plagiarism Detection Software"  
To: Librarian LV <librarian@lingayasvidyapeeth.edu.in>

Dear **University/Institute Coordinators (PDS)**,

We are glad to mention that, on **1st October 2023** onwards, the **INFLIBNET Centre** is providing **Drillbit-Extreme 'Plagiarism Detection Software'** to Higher Education Institutions (HEIs) under the **ShodhShuddhi Programme**. In this regard, **Admin credentials** to the University/Institute Coordinators have already been created and Login credentials are sent to the Coordinator's registered Email IDs under **ShodhShuddhi**. Kindly check your **Email Inbox/Spam mails** for the activation Link and revert back to us at [pds.help@inflibnet.ac.in](mailto:pds.help@inflibnet.ac.in), if activation mail is not received.

Please note that, the **Drillbit-Extreme 'Plagiarism Detection Software' Online Trial Access and Third Demo Session** is scheduled on **6th October 2023 at 11.00 am** through **Webex Cisco Meet Online Session**.

**INFLIBNET Centre (Online) 11:00 AM - 2:00 PM Thursday, October 6, 2023 (UTC+05:30) Chennai, Kolkata, Mumbai, New Delhi**

**Meeting link:** [meet.google.com/cbq-aefy-kyb](https://meet.google.com/cbq-aefy-kyb)

**Agenda: Drillbit-Extreme 'Plagiarism Detection Software' Online Demo Session**

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Regards,

Deepak Kumar  
Head-IT



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choose to know

Lingaya's Vidyapeeth, Faridabad-121002

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Thanks & Regards,

Shakil Ahmad  
Librarian

For LINGAYA'S VIDYAPEETH

  
Registrar

## Account Information

Supported formats: JPG, PNG, image resolutions: 1000x1000 (mm), Maximum size: 10 MB

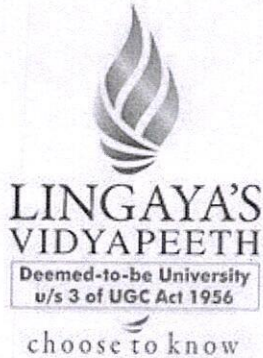
Institution Name	Lingaya's Vidyapeeth
Username	Dr. Sitesh Kumar Singh
User ID	40650
User Email Address	lu@lingayasuniversity.edu.in
Creation Date	2023-10-01 20:24:35
Total Documents Alloted	5000
Total Documents Submitted	180
Total User Accounts	200
Files Saved to Repository	-
Account Expires on	2024-04-30 00:00:00
Account Type	License
Grammar checks	Not Subscribed
Product Name	Drillbit Extreme
Admin Account	lu@lingayasuniversity.edu.in
Time Zone	Asia/Kolkata (UTC+05:30)

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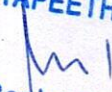


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# LINGAYA'S VIDYAPEETH

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## GE-501 :: Research Methodology (Semester I)

L+T+P	:	4+0+0	End-semester exam	:	100
Credits:	:	4			
Contact hours	:	56			

Unit*	Contents	Lectures
I	Introduction Scope and Meaning of Research, Managerial values of Research, When it is needed, Research Process, Distinction between Research Methods and Research Methodology, Qualities of a good researcher, Principal elements of research, Characteristic features of research, Ethics in Business Research, Research establishments in various areas with Indian scenario, Research funding agencies and National and International Research awards.	10
II	Types of Research Classifications of research, types of research: Historical research, Descriptive research, Fundamental research, Application oriented research, product development, concepts, examples and case studies, Field study, Pure research, Applied research, Action research, Evaluation research and Concepts of invention & innovation, Experimental methods in research, error identification and reduction/elimination	11
III	Research Problem : A brain teaser Introduction to research problem, Definition of the word problem, Components of Research, Problem in details, Sources of selecting a suitable Research Problem, Problem solving approach and research for social welfare: concepts, examples and case studies, Concepts of project definition, planning, scope, Project progress and Project status, Project management, Theoretical modeling and comparison of theory and experiments.	12
IV	Sampling & Measurement Scaling Introduction to Sampling, Definitions, and Reasons for sampling, Considerations to be kept in mind before choosing a Sample, Types of Sample- Probability sample and Non-probability sample, What Size Sample is needed? Rules of Measurement, Criteria of good measurement (Reliability and Validity); Basic Scales – Nominal, Ordinal, Interval and Ratio Scale, Plagiarism: concepts, importance and tools, importance of Impact factor, H index, citation, Fundamentals of Intellectual property rights, patents, copy rights, trade marks.	12
V	Data collection & Analysis Primary and Secondary data, Sources, Advantages and Disadvantages of Secondary data, Importance of publications, Reputed Research journals of international and national level, Literature review: concepts, importance, sources of literature survey, Theoretical modeling and comparison of theory and experiments, Survey methods; Interview Method, Observation Method, Distinction between questionnaire and Schedule, Descriptive analysis; Tabulation, Cross-tabulation, parametric and non-parametric tests.	11


S. No.	Name of Books
1	Research Methodology-Methods and Techniques Kothari CR New Age International 2 nd ed. / 2004
2	Research Methodology: A Step-by-Step Guide for Beginners Kumar R Pearson Education 2 nd ed. / 2005
3	Research Methodology in the Medical and Biological Sciences Laake P, Benestad H & Olsen B Elsevier 1 st ed. /

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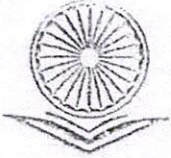
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	2007
4	Research Methodology Murthy C Vrinda Publications 1 st ed. / 2009
5	Research Methodology For Biological Sciences Gurumani N MJP Publishers 1 st ed. / 2013
6	Business Research Methods by William G. Zikmund, 2003 Edition (ISSN-13:978-81-315-0029- 3), published by Cengage Learning India Pvt. Ltd, New Delhi.
7	RESEARCH METHODOLOGY- Methods and Techniques (2007 reprint edition) by C.R. KOTHARI, New Age International Publishers, and New Delhi

For LINGAYA'S VIDYAPEETH

  
Registrar





ज्ञान-विज्ञान विमुक्तये

प्रो. रजनीश जैन  
सचिव

Prof. Rajnish Jain  
Secretary



सत्यमेव जयते

विश्वविद्यालय अनुदान आयोग  
University Grants Commission

(मानव संसाधन विकास मंत्रालय, भारत सरकार)  
(Ministry of Human Resource Development, Govt. of India)

बहादुरशाह जफर मार्ग, नई दिल्ली-110002  
Bahadur Shah Zafar Marg, New Delhi-110002

Ph.: 011-23236288/23239337

Fax: 011-2323 8858

E-mail: secy.ugc@nic.in

D.O.No.F.1-1/2018(Journal/CARE)

December, 2019

Respected Sir/Madam,

University Grants Commission in its 543<sup>rd</sup> meeting held on 9<sup>th</sup> August, 2019 approved two Credit Courses for awareness about publication ethics and publication misconducts entitled "Research and Publication Ethics (RPE)" to be made compulsory for all Ph.D. students for pre-registration course work (attached as Annexure).

In view of the above, you are requested to ensure that the above two Credit courses may be made compulsory for all Ph.D. students for pre-registration course work undertaken in your University from the forthcoming academic session.

With regards,

Yours sincerely,

(Rajnish Jain)

TO THE VICE-CHANCELLORS OF ALL UNIVERSITIES

For LINGAYA'S VIDYAPEETH

Registrar

## ANNEXURE

### **Course Title:**

- **Research and Publication Ethics (RPE)**-Course for awareness about the publication ethics and publication misconducts.

### **Course Level:**

- 2 Credit course (30 hrs.)

### **Eligibility:**

- M.Phil., Ph.D. students and interested faculty members (It will be made available to post graduate students at later date)

### **Fees:**

- As per University Rules

### **Faculty:**

- Interdisciplinary Studies

### **Qualifications of faculty members of the course:**

- Ph.D. in relevant subject areas having more than 10 years' of teaching experience

### About the course

#### **Course Code: CPE- RPE**

#### **Overview**


- This course has total 6 units focusing on basics of philosophy of science and ethics, research integrity, publication ethics. Hands-on-sessions are designed to identify research misconduct and predatory publications. Indexing and citation databases, open access publications, research metrics (citations, h-index, Impact Factor, etc.) and plagiarism tools will be introduced in this course.

#### **Pedagogy:**

- Class room teaching, guest lectures, group discussions, and practical sessions.

#### **Evaluation**

- Continuous assessment will be done through tutorials, assignments, quizzes, and group discussions. Weightage will be given for active participation. Final written examination will be conducted at the end of the course.

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## Course structure

- The course comprises of six modules listed in table below. Each module has 4-5 units.

Modules	Unit title	Teaching hours
<b>Theory</b>		
RPE 01	Philosophy and Ethics	4
RPE 02	Scientific Conduct	4
RPE 03	Publication Ethics	7
<b>Practice</b>		
RPE 04	Open Access Publishing	4
RPE 05	Publication Misconduct	4
RPE 06	Databases and Research Metrics	7
	<b>Total</b>	<b>30</b>

## Syllabus in detail

### THEORY

- RPE 01: PHILOSOPHY AND ETHICS (3 hrs.)**
  - Introduction to philosophy: definition, nature and scope, concept, branches
  - Ethics: definition, moral philosophy, nature of moral judgements and reactions
- RPE 02: SCIENTIFIC CONDUCT (5hrs.)**
  - Ethics with respect to science and research
  - Intellectual honesty and research integrity
  - Scientific misconducts: Falsification, Fabrication, and Plagiarism (FFP)
  - Redundant publications: duplicate and overlapping publications, salami slicing
  - Selective reporting and misrepresentation of data
- RPE 03: PUBLICATION ETHICS (7 hrs.)**
  - Publication ethics: definition, introduction and 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

### PRACTICE

- RPE 04: OPEN ACCESS PUBLISHING(4 hrs.)**

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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 (2 hrs.)**
      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 (2 hrs.)**  
Use of plagiarism software like Turnitin, Urkund and other open source software tools
  - **RPE 06: DATABASES AND RESEARCH METRICS (7hrs.)**
    - A. Databases (4 hrs.)**
      1. Indexing databases
      2. Citation databases: Web of Science, Scopus, etc.
    - B. Research Metrics (3 hrs.)**
      1. Impact Factor of journal as per Journal Citation Report, SNIP, SJR, IPP, Cite Score
      2. Metrics: h-index, g index, i10 index, altmetrics

## References

- 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 get plagiarized*, ISBN:978-9387480865
- National Academy of Sciences, National Academy of Engineering and Institute of Medicine. (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, J. (2012). Predatory publishers are corrupting open access. *Nature*, 489(7415), 179–179. <https://doi.org/10.1038/489179a>
- Indian National Science Academy (INSA), *Ethics in Science Education, Research and Governance*(2019), ISBN:978-81-939482-1-7. [http://www.insaindia.res.in/pdf/Ethics\\_Book.pdf](http://www.insaindia.res.in/pdf/Ethics_Book.pdf)

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