Institute of Engineering and Technology DAVV indore

Research Ethics and Publication

Ph.D. Course Work
1COR05/1ITR05/1ETR05/1MER05/1AMR05/1APR05/1ACR05

Modules	Unit Title	Teaching Hours
Theory		
RPE 01	Philosophy and Ethics	4
RPE 02	Scientific Conduct	4
RPE 03	Publication Ethics	7
Practice		
RPE 04	Open Access Publishing	4
RPE 05	Publication Misconduct	4
RPE 06	Databases and Research Metrices	
	Total	**30**

RPE 01: PHILOSOPHY AND ETHICS(3 hrs.)

1. Introduction to philosophy: definition, nature and scope ,concept, branches.
2. Ethics: definition, moral philosophy, nature of moral judgment and reaction.

RPE 02: Scientific Conduct (5 hrs.)

1. Ethical with respect to science and research .
2. Intellectual honest and research integrity.
3. Scientific misconduct: Falsification, Fabrication, and Plagiarism(FFP)
4. Redundant publication: duplicate and overlapping publication, salami slicing
5. Selective reporting and misrepresentation of data.

RPE 03: Publication Ethics(7 hrs.)

1 Publication ethics: definition, introduction and importance
2Best practices/slandered setting initiative and guidelines: COPE, WAME,etc.
3. Conflict of interest

4. Publication misconduct: definition, concept,problems that lead to unethical behavior and vice versa ,types.

5. Violation of publication ethics, authorship and contributor ship.

6. Identification of publication misconduct, complaints and appeals

7. Predatory publishers and journals.

PRACTICE

RPE 04: OPEN ACCESS PUBLISHING (4 hrs.)

1.Open access publication and initiatives

2.SHERPA/RoMEO online resource to check publishers 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 Suggestion,etc

RPE 05:PUBLICATION MISCONDUCT(4 hrs.)

A. Group Discussion(2 hrs.)

1.Subject specific ethical issue,FFP,authorship

2.Conflict of interest

3.Complaints and appeals :Example and fraud from india and abrod

B.Software Tool(2hrs)

Use of plagiarism software like Turntin,Urkund and other open source software tools .

RPE 06:DATABASE AND RESEARCH METRICES(7hrs.)

A.DATABASE (4hrs)

1. Indexing database

2. Citation database: Web of science, Scopus, etc .

B. Research Matrices(3 hrs.)

1. Impact factor of journal as per journal citation Reports ,SNIP.SJR,IPP,Cite score .

2. Metrices:h-index,g index,altmetrics.

REFERENCES

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Maclntyre ,Alasdair(1967) A Short History of ethics .LONDON

P.Chaddah(2018)Ethics in Competativ research :Do not get scooped :do not get plagerized ,ISBN:978-938740865

National academy of science National academy of engineering and institute of medicine (2009).On being a scientist :A guide to responsible conduct in research :Third edition National academics press .

Rensik D.B(2011) What is ethics in research & why is it important :National institute of environmental health science ,1-10.

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