

Course Code: P24VAC2

Course Name- 2.6: Research and Publication Ethics

Credit Distribution			Total Credits	Internal Marks	Semester Marks	Total Marks
L	T	P	L+T+P	C1	C2	C3
2	-	-	2	25	75	100

Objectives:

- To make students to understand the concept and relevance of citation and Citation Analysis
- To teach the students to calculate the citation metrics for individual, researchers and Institutions
- To teach the students the application of indicators of citation to study the literature growth in different subjects.

A. Course Outcome (CO)

After completion of the course, students will become familiar with the basic concepts in Library & Information Science.

COs	Course Outcome	Level	Level
CO 1	Understood the knowledge on concept, theories, laws and parameters of citation metrics.	Understand	K2
CO 2	Attain the knowledge of Citation Theory and Analysis	Understand	K2
CO 3	Attained the knowledge how to the apply and measure of Bibliometrics to study the literature in different subjects	Apply	K3
CO 4	Apply the knowledge of different forms of citations, Age of citation, citation counts, Self citation, Citation Index, Impact Factor and H Index.	Analyze	K4
CO 5	Apply the knowledge of Citation Metrics indifferent type of publications	Apply	K3

B. Syllabus

Unit -I

Introduction to philosophy: definition nature and scope, concept, branches. Ethics: definition, moral philosophy, nature of moral judgments and reactions. Ethics with respect to science and research, Intellectual honesty and research integrity Scientific misconducts: Falsification, Fabrication and Plagiarism (FFP)

Unit –II

Citation and Citation Analysis: Concept, definition, evolution and applications, Forms of citations, Bibliographic Coupling, Co-Citation, Citation Life – Citation Counts, Self –citation – Citation Index.

Unit – III

Abstracting and Citation Databases: Scopus, Web of Knowledge, Google Scholar and Cross Reference. (Include some other database PUBMED)

Unit –IV

Impact Factor, Discipline Impact Factor (DIF), h-Index, h-type index G-Index, g-h Index, h-b index, i10 Index, z-index, Exergy indicator and Citation Factor.

Unit – V

Research Tools for Citation Metrics: Histcite and Bibexcel, PAJEK, VOS Viewer

Unit-VI CURRENT CONTOURS (For Continuous Internal Assessment Only):

Recent Trends Metrics: Info graphics-SNIP-SJR-ALEXA - Webometric tools, Altmetrics Tools.

Selected Readings:

1. DeBellis,Nicola(2009). Bibliometrics and citation analysis: from the Science citation index to cyber metrics. Scarecrow Press. p. 417.ISBN0-8108-6713-3.
2. Egghe,Leo;Rousseau,Ronald(1990).Introduction to Informetrics: Quantitative Methods in Library , Documentation, and Information Science. Elsevier. ISBN 978-0-444-88493-0.
3. Hamdaqa, M.; A Hamou-Lhadj (2009). Citation Analysis: An Approach for Facilitating the Understanding and the Analysis of Regulatory Compliance Documents. Las Vegas, NV:IEEE. pp.278–283.doi:10.1109/ITNG.2009.161. ISBN 978-1-4244-3770-2.
4. Leydesdorff,L.A.(2001).The challenge of scientometrics: The development, measurement, and self-organization of scientific communications(2nded.).Boca Raton, FL:Universal Publishers.
5. Noyons,E.C.M.(1999).Bibliometric mapping as a science policy and research management tool. Leiden: DSWO Press, University of Leiden.
6. Wilson, Concepción S. (1999). "Informetrics". Annual Review of Information Science and Technology (Medford, NJ: Information Today)34:107–247.
7. Wolfram, D. (2003). Applied Informetrics for Information Retrieval Research. Libraries Unlimited.
8. Levine-Clark,M .,&Gil,E.L.(2008).A comparative citation analysis of Web of
9. Aksnes, D.W.(2006),Citation rates and perceptions of scientific contribution. Journal of the American Society for Information Science and Technology, 57(2), p.169-185.

C. Mapping of COs with POs & PSOs

Mapping of COs with POs & PSOs										
COs	Programme Outcomes					Programme Specific Outcomes				
	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	3	1	2	1	3	3	2	3	2	1
CO2	3	3	1	2	2	2	3	2	3	2
CO3	2	2	3	3	3	3	3	1	3	3
CO4	2	1	3	3	2	2	3	3	3	2
CO5	3	3	3	2	3	3	3	3	2	2