ANNAMACHARYA UNIVERSITY

(ESTD UNDER AP PRIVATE UNIVERSITIES (ESTABLISHMENT AND REGULATION) ACT,
(UNIVERSITY LISTED IN UGC AS PER THE SECTION 2(f) OF THE UGC ACT, 1956)

RAJAMPET, YSR District, AP – 516126, INDIA

Title of the Course	**:**	Research and Publication Ethics for Sciences and Humanities
Course Code	**:**	26CMGT02T
Course offered to	**:**	English, Physics, Chemistry, Mathematics, Computer Sciences/ Computer Applications, Management and Education
Credits	**:**	2

Course Objectives:

1. To understand Philosophies and ethics related to Research
2. To understand the concepts related to scientific conduct
3. To acquire knowledge of the concepts of publication ethics
4. To gain knowledge of the fundamental concepts of open-access publishing
5. To gain knowledge of the concepts of publication misconduct

Course Outcomes:

1. Summarize the fundamental concepts of Philosophy and ethics.
2. Demonstrate an understanding of ethical principles, Intellectual honesty and research integrity in Scientific Research.
3. Analyze the importance of Publication ethics and describe the role of standards-setting bodies.
4. Explain the significance of open access publishing for the free dissemination of research.
5. Develop skills to utilize plagiarism detection software like Turnitin and Urkund to maintain academic Integrity.

Unit 1 Philosophy and Ethics **9**

Introduction to Philosophy: Definition, nature and scope, concept, Branches - Ethics: Definition, Moral Philosophy, Nature of Moral judgements and reactions.

Unit 2 Scientific Conduct **12**

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.

Unit 3 Publication Ethics **13**

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 behaviour and Vice versa, types – violation of Publication ethics, authorship and contributor ship – Identification of Publication misconduct – complaints and appeals – Predatory publisher and Journals.

Unit 4 Open Access Publishing 13

Open Access Publications and Initiatives – SHERPA/RoMEO online resource to check publisher copyright & Self archiving policies – Software tool to identify predatory publications developed by SPPU – Journal finger/ Journal Suggestion tools viz. JANE, Elsevier Journal Finder, Springer, Journal Suggester etc.

Unit 5 Publication Misconduct 12

Group Discussion: a) Subject specific ethical issues, FFP, Authorship b) Conflicts of Interest c) Complaints and appeals: examples and fraud from India and abroad.

Software tools: Use of Plagiarism software like Turnitin, Urkund and other software tools.

Prescribed Textbook:

1. Nicholas H.Stenenck. Introduction to the Responsible conduct of Research. Office of Research Integrity. 2007.

Reference Books:

1. Bijorn Gustavii: How to write and Illustrate Scientific papers? Cambridge University Press.
2. Burdens K.S and Abbott, B, B: research design and Methods, MC Graw Hill, 2008
3. Graziano, A.M and Raulin, M.L Research methods -A Process of Inquiry, Sixth Edition, Pearson, 2007.