

Research Ethics and IPR

Course Code: MCST1C008T

Course Title: Research Ethics and IPR

Semester: II

Credits: 0

Rationale

Research ethics are important for a number of reasons as they promote the aims of research, such as expanding knowledge and support the values required for collaborative work, such as mutual respect and fairness. This is essential because scientific research depends on collaboration between researchers and groups.

Contents	No. of Lectures
Unit I: Philosophy and ethics Introduction to philosophy: definition, nature, scope, concept, branches Ethics: definition, Moral philosophy, nature of moral judgments and reactions, Contemporary challenges in research, difference between ethics, values and law.	10
Unit II: Scientific Conduct and publication ethics: Ethics with respect to science and research, ethics in reporting experimental results, proper reporting of positive and negative results, intellectual honesty and research integrity, scientific misconduct: falsification, fabrication and plagiarism (FFP), Publication ethics: definition and importance, Identification of publication misconduct, commercialization of publishing industry, predatory publishers and journals.	10
Unit III: Intellectual Property rights and Patent rights Nature of Intellectual Property: Patents, Designs, Trade Mark and Copyright. Process of Patenting and Development: technological research, innovation, patenting & development, Procedure for grants of patents, Patenting under PCT, Scope of Patent Rights, Licensing and transfer of technology, Patent information and databases, Geographical Indications.	10

Annexure – III

Course Outcomes:

By the end of the module, the student will be able to:

- Demonstrate research and publication ethics
- Identify publication misconduct and predatory journals
- Apply different tools for plagiarism check
- Utilize various indexing and citation databases and appraise research integrity

Text books:

1. Kothari, C.R., 1990. Research Methodology: Methods and Techniques.
2. Research Ethics: A Psychological Approach By Barbara H. Stanley; Joan E. Sieber; Gary B. Melton

[illegible]