

SCHOOL OF ARTIFICIAL INTELLIGENCE AND ROBOTICS

MAHATMA GANDHI UNIVERSITY

M.Sc. Artificial Intelligence and Machine Learning

Value Added Course : Academic Writing and Publication Ethics

Syllabus

Unit I (5 hrs.)

Science and Research: Definition, Evolution of Scientific Inquiry, Verification Versus Falsification, Objectivity: Facts, Theory and Concepts, Philosophy of Science and Technology, Epistemology of Sciences, Construction of Scientific Facts, Introduction to Ethics, Definition, Moral Philosophy, Nature of Moral Judgements and Reactions.

Unit II (10 hrs.)

Scientific Writing: Structure and components of Scientific Reports, Technical Reports and Thesis, Layout, structure and Language of typical reports, Illustrations and tables, Design of paper using TEMPLATE, Thesis Writing, Empirical Study.

Conventions and strategies of Authentication – Citation Style - sheet

Unit III (5 hrs.)

Documentations: Bibliography, Referencing and Foot Notes, Conventions and Strategies of Authentication, Citation, Style Sheet, Preparing Research Papers for Journals, Seminars and Conferences.

Unit IV (5 hrs.)

Ethics in Research: Environmental Impacts, Ethical Issues, Ethical Committees, Commercialization, Copy Right, Royalty, Intellectual Property Rights and Patent Law, Track Related Aspects of Intellectual Property Rights.

Ethics in Publication: Reproduction of published material – Plagiarism – Citation and Acknowledgement – Reproducibility and accountability.

Unit V (Practical) (5 hrs.)

Open Access Publishing: 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 Finder/Journal Suggestion Tools Viz. JANE, Elsevier Journal Finder, Springer Journal Suggester, Etc., Citation Databases: Web Of Science, Scopus Etc., Impact Factor Of Journal As Per Journal Citation Report, SNIP, SJR, IPP, Cite Score, Metrics: H-Index, I10 Index.

References:

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