

SWARNIM STARTUP & INNOVATION UNIVERSITY

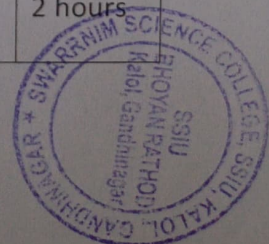
SWARNIM SCIENCE COLLEGE

VALUE ADDED COURSE (VAC)

Scientific Writing and Publication Course

Duration: 30 Hours (15 Sessions, 2 Hours Each)

Session	Topic	Content	Duration
Session 1	Introduction to Scientific Writing	Overview of Scientific Writing, Importance, Types of Scientific Documents (Articles, Reviews, Proposals)	2 hours
Session 2	Structure of Scientific Papers	Parts of a Scientific Paper: Title, Abstract, Introduction, Methods, Results, Discussion, References	2 hours
Session 3	Writing the Abstract and Introduction	Crafting a Concise Abstract, Writing an Engaging Introduction, Defining the Research Problem	2 hours
Session 4	Methodology Section	Describing Experimental Methods, Ensuring Reproducibility, Writing Protocols and Procedures	2 hours
Session 5	Results Section	Presenting Data Clearly, Creating Effective Tables and Figures, Describing Statistical Analysis	2 hours
Session 6	Discussion Section	Interpreting Results, Comparing with Existing Literature, Drawing Conclusions and Implications	2 hours
Session 7	References and Citations	Proper Citation Styles (APA, MLA, Chicago), Managing References, Avoiding Plagiarism	2 hours
Session 8	Scientific Writing Style	Clarity and Precision, Avoiding Jargon, Writing for a Broad Audience, Grammar and Punctuation	2 hours
Session 9	Ethics in Scientific Publishing	Ethical Issues, Handling Conflicts of Interest, Authorship and Credit, Ethical Review Processes	2 hours
Session 10	Peer Review Process	Understanding Peer Review, Responding to Reviewer Comments, Revising Manuscripts	2 hours
Session 11	Writing Research Proposals	Structure of a Research Proposal, Defining Objectives, Budgeting, Proposal Submission	2 hours



Session 12	Journal Selection and Submission	Choosing the Right Journal, Manuscript Formatting, Submission Guidelines, Cover Letters	2 hours
Session 13	Dealing with Rejection and Revision	Strategies for Handling Rejection, Making Revisions, Resubmitting Manuscripts	2 hours
Session 14	Effective Presentation of Research	Preparing for Conferences, Creating Posters and Slides, Effective Oral Presentation Techniques	2 hours
Session 15	Final Review and Peer Feedback	Review of Key Concepts, Peer Review of Drafts, Group Feedback and Discussions	2 hours

Assessments

- **Participation:** Active participation in discussions, peer reviews, and interactive sessions.

