Professional Research Writing Bootcamp: 1-Week Practical Program

Advancing Research Excellence Through Structured Scientific Writing

Center for Artificial Intelligence Research Nepal

About the Event

This intensive bootcamp is designed to equip participants with practical, real-world skills in academic and professional research writing. Through structured lectures, hands-on exercises, and guided mentorship, participants will learn how to develop strong research questions, organize their ideas effectively, and produce clear, well-structured research papers.

The program emphasizes active learning, practical assignments, and continuous feedback to help participants confidently draft, revise, and finalize research manuscripts. By the end of the week, each participant will have developed a structured research draft and strengthened their ability to write for academic, professional, and publication purposes.

In particular, participants will achieve the following learning outcomes:

- Structure a complete research paper using the IMRAD (Introduction, Methods, Results, and Discussion) format

- Develop clear research questions, objectives, and hypotheses

- Conduct and organize a literature review effectively

- Apply proper citation and referencing techniques

- Draft a journal-ready manuscript

- Write a professional cover letter for journal submission

- Identify suitable journals and avoid predatory publishers

- Understand and apply research ethics and publishing standards

- Respond effectively to peer-review comments

Logistics

- **Program Investment**
  National Participants: NPR 4,000
  SAARC Participants: USD 50
  International Participants: USD 300

- **Schedule & Format**
  The bootcamp will run for **2 hours daily (6:00 PM – 8:00 PM, Nepal Standard Time)** over one week. Each session includes:
    - 1 hour of structured expert-led instruction
    - 1 hour of guided practical exercises, discussion, and feedback

Registration

Secure your seat by scanning the QR code below:

Registration Confirmation is Required Prior to Payment

Seats are limited and will be confirmed based on selection criteria. Please complete the registration form and wait for an official confirmation email before making any payment.

Syllabus

The detailed syllabus for the program is provided below. Please note that minor modifications may be made to the content and schedule to ensure the best learning experience for participants.

Day 1: Essentials of Research Writing

- Introduction to academic and scientific writing
- Structure of a research paper (IMRaD and beyond)
- Understanding the publication process
- Writing an effective cover letter for article submission
- Revising and strengthening the manuscript
- Understanding and handling rejection
- Journal and conference selection strategies
- Publishing best practices

Hands-on Exercises & Assignment

- Draft an outline of the participant's own manuscript
- Analyze the structure of a published research paper

Day 2: Research Ethics & Best Practices

- Importance of ethics in research and publishing
- Ethical publishing practices
- Understanding and avoiding plagiarism
- Authorship ethics and contribution criteria
- Ethics involving human and animal subjects
- Maintaining research integrity and transparency
- Responsible data management and reporting

Ethics Exercise & Assignment: Case-based discussion

Day 3: Literature Review & Manuscript Development

- Purpose and structure of the literature review
- Finding relevant research papers
- Effective strategies for reading research papers
- Identifying research gaps
- Referencing and citation management tools
- Drafting the literature review section

Hands-on Exercises & Assignment

- Analyze sample literature reviews to identify strengths and weaknesses
- Formulate a clear research gap statement based on reviewed literature
- Draft and refine the literature review section for participants' own manuscript
- Peer review and structured feedback on drafted sections

Day 4: Research Data Visualization

- Understanding research data visualization
- Importance of visualization in research communication
- Selecting appropriate chart and graph types
- Data visualization best practices
- Improving figures and tables for publication

Hands-on Exercises & Assignment

- Evaluate sample figures and identify common weaknesses
- Redesign one poorly constructed figure using best practices
- Develop publication-ready figures or tables using participants' own data
- Write clear and concise figure captions suitable for journal submission
- Peer feedback and refinement of visualizations

Day 5: Writing Core Sections

- Writing a strong introduction
- Structuring the methodology section
- Writing clear and concise results
- Developing a critical and well-supported discussion
- Writing conclusions, limitations, and implications

Hands-on Exercises & Assignment

- Draft the Introduction section, clearly articulating background, gap, and objectives

- Write a structured and reproducible Methodology section

- Refine the Results section for clarity, logical flow, and alignment with figures/tables

- Develop a Discussion section linking findings to existing literature

- Clearly articulate study limitations and practical/theoretical implications

- Peer review and structured feedback on drafted core sections

Day 6: Publication Strategy & Manuscript Finalization

- Selecting an appropriate journal or conference

- Preparing the manuscript according to author guidelines

- Drafting the cover letter

- Responding to peer-review comments

- Revision and resubmission strategy

- Final manuscript refinement

Hands-on Exercises & Assignment

- Identify and justify one suitable target journal for the participant's manuscript

- Draft a professional cover letter tailored to the selected journal

- Analyze simulated reviewer comments and prepare a structured response letter

- Revise selected sections of the manuscript based on reviewer feedback

- Prepare a final submission checklist aligned with journal guidelines

Day 7: Final Manuscript & Presentations

- Student presentation of bootcamp-developed manuscript

- Expert feedback and refinement guidance

- Submission planning and next steps

Contact Us

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Join us in shaping the future of AI research and education in Nepal and beyond!