



DR. AKHILESH DAS GUPTA

INSTITUTE OF PROFESSIONAL STUDIES

(Formerly Dr. Akhilesh Das Gupta Institute of Technology & Management)

Department of Artificial Intelligence and DataScience

**Report on One Day Workshop on “Research Methodology:
Effective Technical Writing”**

Dated: 22/04/2024

Date of Event: 18/04/2024

Objectives: The objective of the event aimed to cover essential skills and knowledge required for conducting effective research and communicating it proficiently through technical writing. The workshop aimed to bridge the gap between theoretical knowledge and practical application, offering attendees hands-on experience and valuable insights from experienced professionals in the field. a broad spectrum of topics related to machine learning, including its theoretical foundations, practical applications, and emerging trends.

Keynote Speaker: Dr. Rajender Kumar, Associate Professor, Department of ECE, Bhagat Phool Singh Mahilla Vishwavidyalaya Khanpur, Sonipat, Haryana an esteemed researcher and practitioner in the field of Research Methodology, delivered the keynote address. Their presentation provided valuable insights into the latest developments and challenges in Machine Learning, stimulating engaging discussions among the participants.

Session Highlights:

1. Fundamentals of Research Methodology:

- The session began with an overview of research methodologies, emphasizing the importance of clear research objectives, appropriate research design, and systematic data collection methods.

- Key topics covered included qualitative and quantitative research methods, sampling techniques, and data analysis methods.
- Participants engaged in interactive discussions and case studies to reinforce their understanding of research methodologies.

2. Principles of Effective Technical Writing:

- This session focused on the principles and techniques of technical writing, including clarity, conciseness, coherence, and correctness.
- Participants learned strategies for organizing technical documents, writing clear and concise sentences, and using visuals effectively to enhance understanding.
- Practical examples and exercises allowed participants to apply the principles learned and receive feedback from facilitators.

3. Workshop Activities and Exercises:

- Participants were divided into small groups to work on research scenarios and develop research proposals.
- Practical exercises on technical writing included drafting abstracts, summarizing research findings, and creating technical reports.
- Facilitators provided guidance and feedback, encouraging participants to apply the concepts discussed during the sessions.

4. Panel Discussion: Challenges and Best Practices:

- A panel of experienced researchers and technical writers shared their insights on overcoming common challenges in research and technical writing.

- Discussions revolved around strategies for dealing with writer's block, peer review process, citation management, and ethical considerations in research.
- Participants had the opportunity to ask questions and seek advice from the panelists, fostering a dynamic exchange of ideas.

Outcome of workshop: In Outcome, the one-day workshop on Research Methodology and Effective Technical Writing concluded successfully, the workshop served as a valuable platform for learning, skill development, and networking in the areas of research methodology and technical writing, contributing to the professional growth of all participants.

Beneficiaries: ADGITM students

Photographs of event with title: attached.



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DEPARTMENT OF ARTIFICIAL INTELLIGENCE & DATA SCIENCE

Organizes
A One Day Workshop
on
**“Research Methodology:
Effective Technical Writing”**



Dr. Rajender Kumar

Associate Professor
Department of ECE
BPS Mahila Vishwavidyalaya
Khanpur, Sonapat Haryana



10:00 AM
onwards



Room no. 2216



15 April 2024

