JSPM UNIVERSITY PUNE

Recognized by the UGC u/s 2 (f) of UGC Act 1956 and enacted by the
State Government of Maharashtra - JSPM University Act, 2022 (Mah. IV of 2023)

ADVANCE RESEARCH METHODOLOGY WORKSHOP

Phase II

Event Report

1. Title Page

- **Event Title:** Advanced Research Methodology Workshop, Phase II

- **Date: 13th & 14th** December 2024

- **Location:** Seminar hall, JSPM University, Pune

- **Prepared By:** Dr. Anjali Upadhye

- **Date of Report: 15th** December 2024

- **Total Registrations done: 23**

- **Actual Number of Participants attended/ participated: 23**

2. Executive Summary

- **Overview:**

  The "Advanced Research Methodology Workshop" was conducted on 13th and 14th December 2024 at JSPM University, Pune. The workshop was designed for researchers, postgraduate students, and professionals to enhance their skills in advanced research methods, ethical practices, and data analysis.

  This workshop is tailored for researchers, Post graduate students, and professionals who seek to elevate their understanding and application of advanced research methods. Participants will explore a range of topics, including quantitative and qualitative research techniques, mixed methods approach, data collection strategies, and ethical considerations in research. Through a blend of theoretical frameworks and practical applications, this workshop aims to enhance your skills in formulating research questions, selecting appropriate methodologies, and interpreting results.
  This workshop focuses on recent innovations that are redefining how we collect, analyze, and interpret data. We'll cover essential topics such as Research writing proposal framework, Research designs, Qualitative & Quantitative data collection and analytics, Research Publication ethics, prevention of plagiarism, Reference management, Current trends in Fund research proposals .Participants will also gain experience with advanced tools for qualitative and quantitative analysis, versatility in adapting methods to specific research goals.
  In addition to hands-on sessions, we'll explore the implications of

![JSPM University Pune logo] **JSPM UNIVERSITY PUNE**
Recognized by the UGC u/s 2 (f) of UGC Act 1956 and enacted by the
State Government of Maharashtra - JSPM University Act, 2022 (Mah. IV of 2023)

reproducibility, open science, and transparency in today's academic environment. These topics are not only timely but are pivotal to conducting impactful, credible research that withstands the scrutiny of an increasingly informed public. By engaging with these trends, you'll be better prepared to lead research that's both innovative and aligned with the highest standards of integrity and reliability.

We engage in collaborative discussions, hands-on exercises, and case studies that will empower you to tackle complex research challenges with confidence. Whether you are embarking on a new project or looking to refine your existing skills, this workshop will provide valuable insights and tools to advance your research endeavors. This workshop also offers a unique platform for networking with like-minded researchers and faculty, promoting collaborations that cross disciplinary boundaries and enrich the research experience. This will empower each participant to contribute to research that is as dynamic as the world we seek to understand.

Objectives

1. To Understand the latest ways to conduct research, including using big data and technology.
2. To improve & build stronger data skills in collecting , analyzing & interpretation of data with modern tools.
3. To Learn about the importance of honesty, transparency, and respect in research.
4. To Develop skills to write research clearly and get it published.
5. To Connect with others for teamwork and collaboration in research projects.
6. To build a culture of continuous learning
7. To get Insights into the publication process, journal selection, and peer review.
8. These objectives focus on making research proposals easier, more accurate, and more collaborative.

Outcomes of the programme :

Advanced Research Methodology Workshop typically include the following:
1. Enhanced Understanding of Research Design and Methodology
2. Improved ability to select appropriate methodologies for specific research questions.
3. Techniques for minimizing biases and improving data validity and reliability and achieving Improved Data Analysis Skills
4. Use of advanced statistical and qualitative analysis tools (e.g., SPSS, Sigmaplot software).
5. Ethical and Rigorous Research Practices with Increased awareness of ethical considerations and best practices in research.
6. Improved ability to critically evaluate existing research and identify gaps.
7. Skill Development in Academic Writing and Publication with Guidance on structuring research papers, articles, and theses.

JSPM UNIVERSITY PUNE

Recognized by the UGC u/s 2 (f) of UGC Act 1956 and enacted by the
State Government of Maharashtra - JSPM University Act, 2022 (Mah. IV of 2023)

8. Case studies or simulations to help apply theoretical knowledge to practical scenarios.
9. These outcomes provide participants with a comprehensive toolkit to conduct high-quality research, enhancing their contributions to academic, professional, or applied research fields.

Key Highlights:

1. Expert-Led Sessions: Invite experts in advanced research methods, data analysis, and ethics to lead sessions and offer insights.
2. Interactive Learning: Incorporate live demonstrations of software tools (e.g., SPSS, sigmaplot software, Tunitin software), case studies, and real-world research examples to make content relatable.
3. Hands-On Practice: Design practical exercises for data collection, analysis, and interpretation so participants can apply concepts directly.
4. Group Projects: Assign small groups to work on research projects, encouraging teamwork and diverse perspectives.
5. Mentorship: Pair participants with mentors who can provide guidance and feedback throughout the workshop.
6. Real-World Simulations: Use simulations or case studies to challenge participants to design, conduct, and analyze research on real-world issues.
7. Critical Thinking Exercises: Include activities where participants evaluate existing research, identify gaps, and design potential studies to address them.
8. Ethics Training: Conduct sessions on research ethics, data privacy, and transparency in publishing.
9. Open Science Practice: Encourage participants to explore open data and open-access publishing options, fostering transparency in their work.
10. Writing Workshops: Host workshops focused on academic writing, structuring research papers, and preparing for peer review.
11. Post-Workshop Support: Offer resources like discussion forums, access to mentors, or follow-up sessions to reinforce learning.
12. Feedback Collection: Collect feedback from participants to assess the effectiveness of the workshop and identify areas for improvement in future sessions.
13. **Certificate of Completion:** Provide certificates to recognize the skills and knowledge gained by participants, enhancing their academic or professional profiles

3. Event Details
- **Event Description:**
  The workshop covered topics such as research proposal writing, ethics in research, and advanced data analysis techniques. Activities included lectures, group activities, hands-on training, and case studies.

JSPM UNIVERSITY PUNE

Recognized by the UGC u/s 2 (f) of UGC Act 1956 and enacted by the
State Government of Maharashtra - JSPM University Act, 2022 (Mah. IV of 2023)

- **Participants:**
  The workshop had 23 participants, including postgraduate students and professionals from various disciplines.

- **Agenda:**
  Day 1:

  - Registration and Pretest

  - Introduction to Research Methodology

  - Group Activity on framing research questions

  - Lectures on study designs and reference management

  - Hands-on training with Mendeley

  Day 2:
  - Detailed sessions on research methodology directions

  - Plagiarism detection training

  - Group activity on operational definitions and pilot study design

  - Presentation of research methodologies by groups

![JSPM University Logo] **JSPM UNIVERSITY PUNE**

Recognized by the UGC u/s 2 (f) of UGC Act 1956 and enacted by the
State Government of Maharashtra - JSPM University Act, 2022 (Mah. IV of 2023)

- **Geotagged Photos of the Event:**

JSPM UNIVERSITY PUNE

Recognized by the UGC u/s 2 (f) of UGC Act 1956 and enacted by the
State Government of Maharashtra - JSPM University Act, 2022 (Mah. IV of 2023)

- **Videography:**
  Done and uploaded to Youtube Channel

4. Planning and Preparation

- **Planning Process:**
  The workshop was meticulously planned, with the following key steps:

  1. Preparation of the proposal and agenda.

  2. Recruitment of expert resource faculty.

  3. Coordination with participants for pre-workshop preparation, including submission of research proposals.

  4. Logistics arrangements, including venue setup, food, and training materials.

- **Team Involved:**

  1. **Dr. B. B. Ahuja:** Workshop Director

  2. **Dr. Kamalkishor Uke:** Director Research

  3. **Dr. Anjali Upadhye:** Programme Coordinator

- **Budget:**

Particulars	Amount (INR)
Tea and Lunch for 35 faculties	17,500
Stationery	1,000
Certificates	900
Total	19,400

5. Event Execution

- **Minute to Minute Program:**
  Detailed in the workshop proposal (see schedule in Section 3).

- **Logistics:**
  The event was held at JSPM University, with appropriate seating arrangements, audiovisual support, and refreshments provided.

- **Event Details:**
  Sessions covered advanced research methodology topics, interactive group activities, and software training.

- **Audience Engagement:**
  Participants actively engaged in hands-on activities and group discussions. Feedback indicated that the content was highly relevant for social sciences participants but required better alignment for science and engineering attendees.

![JSPM University Pune logo] **JSPM UNIVERSITY PUNE**
Recognized by the UGC u/s 2 (f) of UGC Act 1956 and enacted by the
State Government of Maharashtra - JSPM University Act, 2022 (Mah. IV of 2023)

6. Outcomes and Impact
- **Success Metrics:**

  1. **Attendance:** 100% attendance, with all 30 registered participants attending.

  2. **Engagement:** High engagement in group activities and hands-on training sessions.

  3. **Skills Acquired:** Participants reported improved knowledge in research methodologies, data analysis, and academic writing.

- **Feedback:**
  Feedback was collected through post-event surveys:

  - **Strengths**: High-quality content, practical sessions, and knowledgeable facilitators.

  - **Weaknesses**: Limited relevance for participants from science and engineering backgrounds.

- **Key Achievements:**

  1. Enhanced understanding of advanced research methodologies.

  2. Improved collaboration among participants from different disciplines.

  3. Completion of group activities and pilot study presentations by all groups.

- **Challenges and Lessons Learned:**

  1. The content was primarily tailored for social sciences, leading to limited engagement from participants in science and engineering fields.

  2. Future workshops should incorporate more discipline-specific content to cater to a diverse audience.

7. Recommendations
- **Suggestions for Future Events:**

  1. Include discipline-specific tracks to address the diverse needs of participants.

  2. Increase practical sessions for better engagement with technical audiences.

  3. Expand the resource faculty team to include experts from science and engineering disciplines.

- **Follow-up Actions:**

  1. Share workshop materials and certificates with participants.

JSPM UNIVERSITY PUNE

Recognized by the UGC u/s 2 (f) of UGC Act 1956 and enacted by the
State Government of Maharashtra - JSPM University Act, 2022 (Mah. IV of 2023)

2. Conduct a post-event survey to gather detailed feedback and suggestions.

3. Plan follow-up sessions to provide continued support for participants' research projects.

4. Distribution of Certificates