



गृह मंत्रालय
MINISTRY OF
HOME AFFAIRS



RASHTRIYA RAKSHA UNIVERSITY

An Institution of National Importance
Pioneering National Security and Police University of India
Ministry of Home Affairs, Government of India

Directorate of Research and Publications

&

School of Internal Security, Defence and Strategic Studies

Organises

Virtual Certificate Course on **Tools & Techniques for Academic Research** **Work Smarter, Research Deeper**



Hands-On Learning
Experience



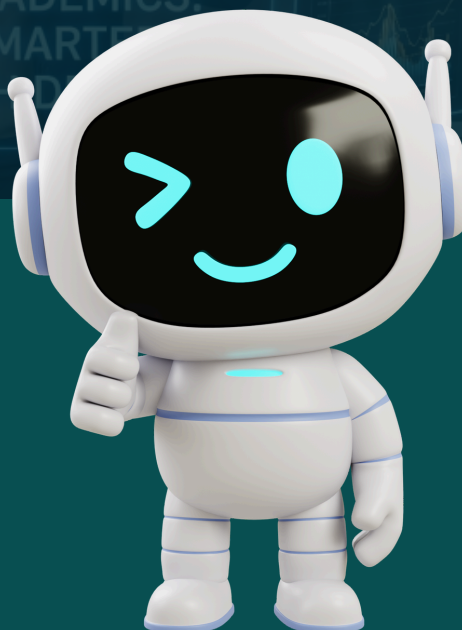
Industry-Relevant
Curriculum



Career Support &
Certification



Flexible & Accessible
Learning



Date: 07 September 2026 to 18 September 2026

Mode: Online

COURSE FEES : Rs 500/- per person

Concept Note

Research is fundamentally a journey driven by curiosity, critical thinking, and intellectual discovery. Yet, for many students, scholars, and faculty, the genuine joy of research often gets buried under hours of tedious, routine work. Endless data entry, painstaking data cleaning, manually wrestling with complex statistical software, and building figures from scratch consume precious time that could otherwise be spent on high-impact synthesis, deep reflection, and crafting meaningful scholarly work.

The adoption of advanced digital tools and streamlined methodologies presents an optimised shift in the research landscape. Far from replacing human judgment, these modern research techniques act as powerful workflow amplifiers, automating repetitive tasks, streamlining operations, and liberating researchers to focus on what truly matters: generating original insight and rigour.

This workshop is designed to turn specialised research software and systematic techniques into accessible, practical skills for your academic workflow:

- **Clarity in Research Design & Instrument Development:** Navigating the early stages of a study can feel daunting. Digital tools and methodologies help researchers gain immediate structural clarity on research design, assisting in mapping conceptual frameworks, sharpening research questions, and highlighting methodological gaps. When building research instruments, streamlined software platforms help draft precise, well-structured questionnaires free from redundancy, bias, or ambiguous phrasing, ensuring high-quality data collection right from the start.
- **Meaningful Data Analysis (User-Friendly Graphical Interfaces):** Historically, sophisticated data analysis required specialised programming skills. Modern, user-friendly statistical platforms and graphical interfaces now level this field. Researchers can execute complex qualitative or quantitative analyses and extract meaningful statistical insights using powerful software designed for intuitive use, significantly reducing the need for extensive programming proficiency.

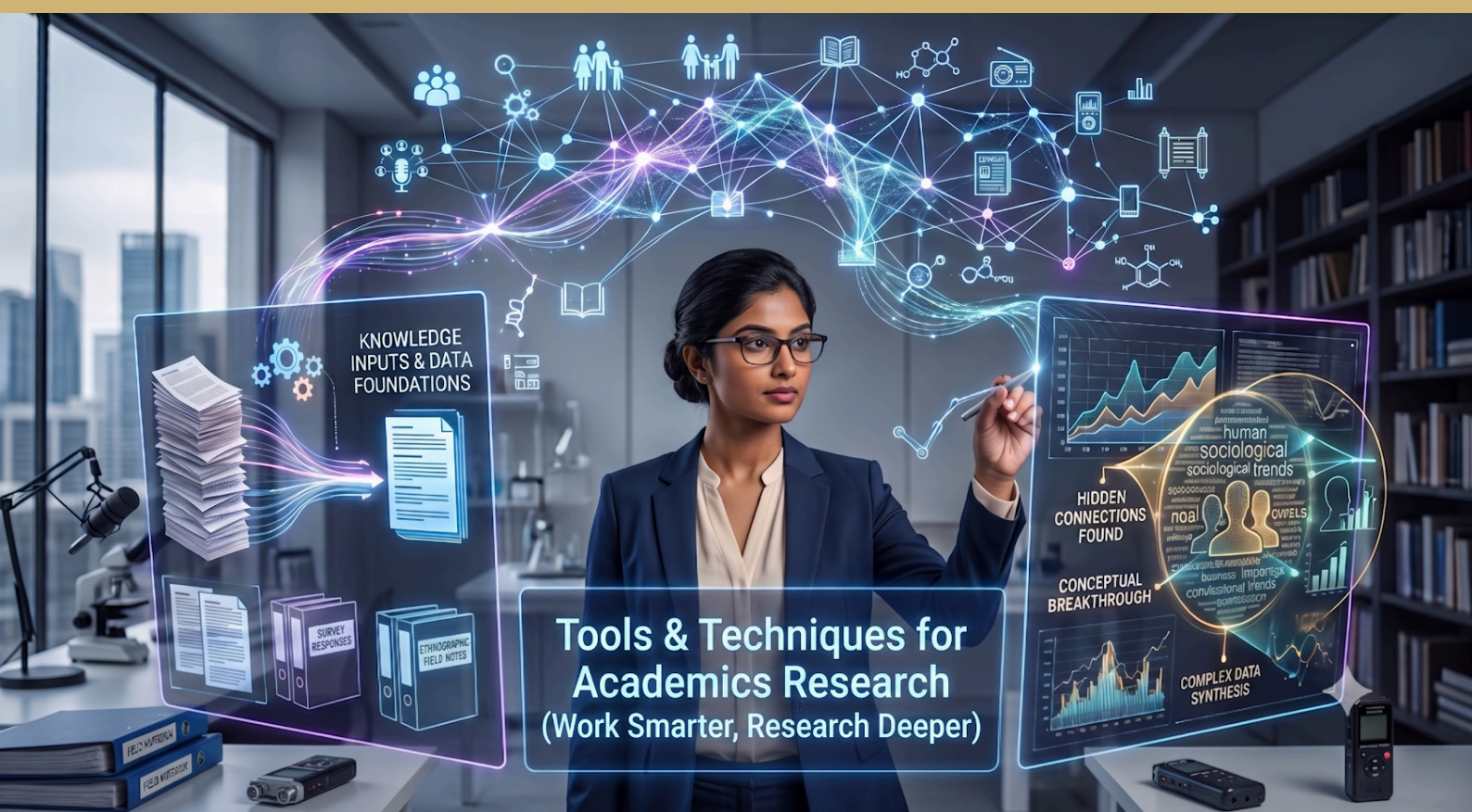
Ultimately, the time gained isn't just about working faster; it's about elevating the overall quality of your academic output. By mastering these hands-on tools and techniques, you reclaim your time to engage in deeper analysis, refine your arguments, and accelerate your path to impactful publication.



Learning Outcomes

Upon successful completion of the workshop, participants will be able to:

1. **Streamline Research Ideation & Design:** Utilizing systematic methodologies and digital mapping tools to refine core research questions, map out robust methodologies, and build coherent research frameworks efficiently.
2. **Design Redundancy-Free Instruments:** Utilizing advanced instrument design software and platforms to craft sharp, unambiguous questionnaires, survey tools, and interview protocols tailored to target audiences.
3. **Execute Efficient Data Cleaning & Analysis:** Perform advanced quantitative and qualitative data analysis using graphical interface statistical software, reducing reliance on direct programming.
4. **Automate Data Visualization:** Utilizing specialized visualization software to instantly convert raw research data into clear, aesthetically compelling graphs, tables, and charts suited for academic publication.
5. **Accelerate Literature Synthesis & Writing:** Master reference management and synthesis software to rapidly navigate, organize, summarize key themes, and cite vast academic literature while polishing drafts for journal readiness.
6. **Practice Responsible Digital Research:** Navigate the nuances of research integrity in the digital age, ensuring authenticity, robust plagiarism verification, and the ethical management of research data.



**Tools & Techniques for
Academics Research**
(Work Smarter, Research Deeper)

Programme Details: 07 September – 18 September 2026 (Online Mode : 1500-1630hrs)

Day	Research Stage	Primary Use / Key Areas
Day 1 (07 Sep 26)	Overview of Research Methodology Research Discovery & Idea Generation	Brainstorming, problem exploration, identifying trends Hand – on practice of relevant Tools
Day 2 (08 Sep 26)	Reading & Understanding Papers Literature Search & Review	Finding papers, evidence-based search, Theme identification, mapping literature Hand – on practice of relevant Tools such as Semantic Scholar
Day 3 (09 Sep 26)	Research Design & Instrument Development	Questionnaire drafts, interview protocols Hand – on practice of relevant Tools
Day 4 (10 Sep 26)	Qualitative Analysis	Theme generation, coding support Hand-on practice with NVivo & Max QDA
Day 5 (11 Sep 26)		
Day 6 (14 Sep 26)	Qualitative Analysis	Interpretation and statistical explanations Hand-on practice with Jamovi, JASP & SPSS
Day 7 (15 Sep 26)		
Day 8 (16 Sep 26)	Citation & Reference Management Academic Writing	Drafting and editing, Organizing references, citation support Hand-on practice of tools such as Zotero & Mendeley
Day 9 (17 Sep 26)	Deconstructing Ethical Considerations: Derrida and Research Ethics	Overall of Research Work
Day 10 (18 Sep 26)	Plagiarism Check Publication Support	Plagiarism Check Language refinement and journal readiness

Speakers



Air Cmde (Dr.



Dr. Aparna Varma



Mr.



Dr. Bimal N. (Dr.) Kalpesh H. Wandra

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Course Coordinators

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