



One Week Virtual  
Faculty Development Programme (FDP) / Workshop on

# Advanced Research Methodology and Data Analysis

25 - 31 July 2025

05:00 PM - 07:00 PM (IST)

**Organized by:**



**Inspira Research Association- IRA**

(A leading registered organization for Research Development & Advancement)

Jaipur, Rajasthan, India

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# ABOUT

## INSPIRA RESEARCH ASSOCIATION- IRA, JAIPUR

The Inspira Research Association-IRA, Jaipur, India is a registered leading organization of academicians, professionals and researchers for research development and advancements, established in 2011. IRA is registered under cooperative society and also registered under ISO 9001:2015. The IRA provides support and services to educate professionals and researchers around the world, especially those from the developing countries. Inspira Research Association (IRA) is an association of professors, directors, managers, academicians, researchers and students from various fields, including commerce, management, economics, public administration, social science, computer science, political science, education and information technology etc.

## MEHTA COLLEGE AND INSTITUTE OF TECHNOLOGY, JAIPUR

Established in 2010, Mehta College and Institute of Technology provides excellence in education with its qualified, sincere, honest and enthusiastic faculties in each stream which not only provides quality education but works for overall construction of future professionals with high morale. Upgraded and updated study material is provided to students with proper execution of syllabus in time and preparing students for final examinations. To give final acts by students, we prepare them by replays with all guidelines fulfilling the purpose of less stress during exams. The strategy aims to focus on maximum participation by students in internal examinations with mandatory attendance in overall session which eases and improves our student's final performances, confidence and strength to cope with stress. The college offers 15 programmes BA, B.Sc., B.Com., BBA, BCA, BA/B.Ed., B.Sc./B.Ed., MA (Political Science & Geography) M.Sc. (Chemistry, Botany, Zoology, Mathematics & Physics).

## SWAMI SAHAJANAND COLLEGE OF COMMERCE & MANAGEMENT [AUTONOMOUS], BHAVNAGAR

In the year 2024, the UGC and Maharaja Krishnakumarsinhji Bhavnagar University conferred the Autonomous Status to the college. A holistic education that provides opportunities to gain and share knowledge, experiment and develop beyond curriculum, is offered at SSCCM. Innovative learning methodologies such as project-based learning, experiential learning and flip- class learning practiced by a committed fleet of faculty, supported by several hands has been our Unique Outstanding Proposition. SSCCM is the citadel of knowledge. It reflects in the verve of the classrooms and open-minded learning environment that helps the learner to explore himself to match up with the standards of the global education. The Institution aims to prepare students with the intellectually-inspired learning which drives theory erudition and realistic approach that is essential to meet the challenges in every walk of their life. The strength of the institution lies in protecting and enhancing the highest standard of excellence in every learner.

## About the FDP/Workshop

In an era marked by rapid technological advancements, research methodologies are continually transcending traditional boundaries. This Faculty Development Program (FDP), titled **"Advanced Research Methodology and Data Analysis"** is thoughtfully designed to equip Faculty Members, Research Scholars, PG Students and Academic Professionals with the skills necessary for producing high-quality, ethically sound, and globally competitive research outputs.

This intensive program offers a comprehensive exploration of critical domains including:

- **Research Ethics:** Building the foundation for credible and responsible research.
- **Publishing Strategies:** Navigating the landscape of quality-indexed journals and open-access platforms.
- **Research Proposal Writing:** Crafting competitive and fundable proposals.
- **Mastering Literature Review, Hypothesis and Questionnaire:** Utilizing both traditional methodologies and AI-assisted tools.
- **Advanced Data Analysis:** Applying modern statistical and analytical techniques to enhance research rigor.

A distinctive feature of this FDP is its emphasis on emerging tools to support research writing, plagiarism detection, data handling, and manuscript enhancement, thus promoting research efficiency and academic integrity.

Meticulously aligned with NAAC Criterion 3: Research, Innovation, and Extension, the sessions aim to empower participants to:

- Strengthen ethical and responsible research practices.
- Harness the power of AI technologies to augment research capabilities.
- Achieve publication in globally recognized and reputed journals.

Through a strategic blend of conceptual clarity, real-world application, AI-driven insights, and hands-on learning experiences, this FDP aspires to nurture a robust research culture and cultivate an innovation-driven mindset within higher education institutions.



# PROGRAMME SCHEDULE

5:00 PM TO 7:00 PM (IST)

## EMINENT RESOURCE PERSONS

**Day-1 (25 July 2025)**

**Introduction to Research Design,  
Sampling and Data Collection**



**Prof. Debabrata Samanta, Ph.D.**  
Program Head, Dept. of Computing and IT  
RIT Kosovo (A.U.K)  
Rochester Institute of Technology – RIT  
Global Campus, Kosovo, Europe

**Day-2 (26 July 2025)**

**Questionnaire Designing**



**Dr. Heena Joshi**  
Associate Professor, Shri Jairambhai Patel Institute of  
Business Management and computer Applications  
Gandhinagar, Gujarat

**Day-3 (27 July 2025)**

**Hypothesis Testing in Research**



**Dr. Ajay Kumar Chauhan**  
Founder and Chief Consultant  
Research Shiksha

**Day-4 (28 July 2025)**

**Regression Analysis**



**Prof. (Dr.) Manvinder Singh Pahwa**  
Professor, Department of Commerce  
Dr. Harisingh Gour Vishwavidyalaya  
(A Central University), Sagar, M.P

**Day-5 (29 July 2025)**

**Factor Analysis &  
Structural Equation Modelling (SEM)**



**Dr. Hitesh Parmar**  
Department of Business Management (MBA)  
Sardar Patel University, Gujarat

**Day-6 (30 July 2025)**

**Writing High- Impact Research Papers  
with AI Assistance**



**Dr. Jeetesh Kumar**  
Head of Research  
Faculty of Social Sciences and Leisure Management  
Taylor's University, Malaysia

**Day-7  
(31 July 2025)**

**MCQ Evaluation and Assessment**



# REGISTRATION FEE DETAILS

REGISTRATION CATEGORIES	Academicians/ Faculty/Research Scholars (A)	Life Members of Inspira-IRA & Students (B)
Category I: Participation Only	₹ 750	₹ 550
Category II: Participation with Online Publication of Paper in National Peer Reviewed Refereed Journal	₹ 1500	₹ 1300
Category III: Participation with Online Publication of Paper in International Peer Reviewed Refereed Journal	₹ 2100	₹ 1900
Category IV: Participation with Online Publication of full Paper/Chapter in ISBN Edited Books	₹ 1000	₹ 800

**Last Date of Registration is July 21, 2025.**

Note:

- Registration Fee includes e-Certificate and access to recordings (3 months) which will be provided only to participants who participates all one week in the FDP/Workshop.
- Participants registered under category I will get certificate of participation after successful completion of FDP/Workshop.
- Participants registered under category II & III will get participation certificate & they may send one Research Paper / Article for publication in multidisciplinary peer reviewed refereed journals on any topic of their interest.
- Participants registered under category IV may send one chapter for publication in edited ISBN books on any topic of their interest.
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