ASHTAVAKRA Institute of Rehabilitation Sciences and Research 5, PSP Institutional Area Madhuban Chowk Rohini, Sector-14, Delhi-110085	**Five Days Faculty Development Program**
EVENT NAME	
Titleof Activity*	Five Days Faculty Development Programme on Research Methodology and AI Integration in Academic Research
Values	The Faculty Development Programme is built around the core values of Academic Excellence, Research Integrity, Technological Empowerment, Pedagogical Advancement, and Continuous Professional Development. The programme aims to strengthen faculty members' academic and research competencies, promote ethical and responsible research practices, enhance the effective use of technology and AI in academic work, encourage innovative and learner-centred pedagogical approaches, and foster a culture of continuous professional learning. Through these values, the FDP seeks to empower educators with updated knowledge, practical skills, and contemporary tools for excellence in teaching, research, and academic development.
LearningOutcomes	**The faculty member will be able to:** • Explain major research paradigms, including Positivism, Interpretivism, and Pragmatism, and relate them to research planning. • Identify research gaps and formulate appropriate research questions and hypotheses. • Use AI-supported literature mapping and reference-management tools such as Research Rabbit, Connected Papers, and Zotero/Mendeley for systematic literature exploration and organization. • Differentiate quantitative, qualitative, and mixed-methods research designs and make informed sampling decisions, including considerations related to sample size and scaling techniques. • Design and critically examine survey instruments, including

	questionnaires and Likert-scale based tools, with attention to validation. • Select and interpret appropriate quantitative data-analysis and hypothesis-testing procedures, including parametric and non-parametric tests such as t-test, ANOVA, and Chi-Square. • Explore AI-assisted research analytics using tools such as Julius AI and ChatGPT Data Analysis to support data analysis and interpretation. • Apply principles of plagiarism prevention, AI-content detection, academic integrity, and responsible scholarly writing using tools and standards discussed during the programme. • Structure theses, dissertations, and working papers according to standard academic formats and understand key aspects of technical reporting and manuscript submission. • Respond constructively to peer-review comments, understand common reasons for desk rejection, and prepare for oral defence questions. • Present and pitch research ideas clearly through participant micro-presentations and integrate appropriate AI tools into research communication. • Transfer the knowledge and skills gained through the FDP into research, academic writing, teaching, supervision, and institutional scholarly activities.
Organizedby(Dept./Centre/Cells/Clubs/ CommitteesName)*	Ashtavakra Institute of Rehabilitation Sciences and Research
Program Theme*	Research Methodology and AI Integration in Academic Research
ExternalExpert/InternalExpert	**External Experts:** Dr. Ajay Rathor (Director, TIAS), Dr. M N Jha (Dean Academics, TIAS), Dr. Shivendu Kumar Rai (Professor/HoD, TIAS), Dr. Pushpa Rani (Assoc. Prof., TIAS), Dr. Deepak Chaoudhary (TIAS), Dr. Upasna Khurana (Academic Coordinator, TIAS), Dr. Pooja Sharma (Assoc. Prof., TIAS), Dr. Shaleeni Gupta (Assoc. Prof., TIAS), Dr. Neeta (Assoc. Prof., TIAS), Dr. SushmaBahuguna (HoD, TIAS) **Internal Experts:** Mrs. Sanjana Mittal (Deputy Director, AIRSR),Dr. Anita Rai (Principal, AIRSR)

Date*	6th July 2026 to 10th July 2026
Time*	Day 1: 09:00 AM - 01:00 PM | Days 2 to 5: 01:30 PM - 04:00 PM
Venue	Conference Room-101, Ashtavakra Institute of Rehabilitation Sciences and Research, Delhi
Poster/Flyer/Notice*	
Socialmedialink *(promotinginanyone Facebook/Instagram/Twitterismandatory)*	https://www.instagram.com/reel/DZXDD_ETokj/?igsh=MWMyaTFhaTZla3VwNQ==
No. of Students* *(only no. to be written, list in excelorwordshouldbemaintainatdepartment level as proof for any further requirement)*	NA
No. of Faculty* *(only no. to be written , list in excelorwordshouldbemaintainatdepartment level as proof for any further requirement)*	17
No.ofExternalParticipants(students+ faculty) *[write NA if not applicable]*	10
(Geotag)Photograph*	
Photographofthe EventwiththeCaption	

07 July 2026 10:22:18
5, Block A, Sector 14, Rohini,
Delhi, 110085, India
Lat:28.706949, Long:77.129677
94 E 40.51°
Google

BenQ

Report:Descriptionin(min250tomax800 words)*	A five-day Faculty Development Program on Research Methodology and AI Integration in Academic Research was conducted from 6th to 10th July 2026 at Conference Room-101, Ashtavakra Institute of Rehabilitation Sciences and Research, Delhi. The programme was specifically designed for faculty members to strengthen their research competencies, promote methodological rigour, and develop responsible and effective use of Artificial Intelligence in academic research. The programme brought together academic professionals and resource persons from TIAS for focused sessions on contemporary research practices. The programme commenced on 6th July 2026 with registration of participants followed by the Welcome Address by Mrs. Sanjana Mittal, Deputy Director, AIRSR. Dr. Ajay Rathor, Director, TIAS, conducted a session on Foundations of Research & Paradigms, covering Positivism, Interpretivism and Pragmatism, along with identifying research gaps and formulating hypotheses. The day also included a session by Dr. M N Jha, Dean Academics, TIAS, on AI Literature Mapping & Reference Management, with practical orientation to Research Rabbit, Connected Papers and the integration of Zotero/Mendeley. These sessions established a strong foundation for systematic literature review and research planning. On 7th July 2026, Dr. Shivendu Kumar Rai, Professor/HoD/NAAC Coordinator, TIAS, facilitated the session on Research Design & Sampling Strategies. The session addressed quantitative, qualitative and mixed-methods approaches, sample size determination and scaling techniques. This was followed by a session by Dr. Pushpa Rani, Associate Professor, TIAS, on Survey Tool Validation & Construction, focusing on designing valid questionnaires and validating Likert-scale based instruments. The sessions enabled faculty participants to critically examine methodological choices and improve the quality of research tools. The third day, 8th July 2026, focused on data analysis and Artificial Intelligence. Dr. Deepak Chaoudhary, TIAS, addressed Quantitative Data Analysis & Hypothesis Testing, including parametric and non-parametric tests such as t-test, ANOVA and Chi-Square. Dr. Upasna Khurana, Academic Coordinator, TIAS, conducted a session on AI Analytics for Research, introducing AI-assisted data analysis using Julius AI and ChatGPT Data Analysis. The sessions supported participants in developing greater confidence in selecting analytical techniques and exploring AI-supported research workflows.

	On 9th July 2026, Dr. Pooja Sharma, Associate Professor, TIAS, conducted a session on Plagiarism & AI Content Detection, covering plagiarism policy, Turnitin/iThenticate tools and academic integrity standards. This was followed by Dr. Shaleeni Gupta, Associate Professor, TIAS, who addressed Thesis, Dissertation & Working Paper Structure, including standard formats, technical reporting and manuscript submission. The day reinforced the importance of originality, ethical scholarship and clear academic communication. The final day, 10th July 2026, focused on scholarly communication and research presentation. Dr. Neeta, Associate Professor, TIAS, discussed Peer Review & Handling Defense Questions, including desk rejections, reviewer comments and oral defence. The programme concluded with Participant Micro-Presentations & Pitching by Dr. Sushma Bahuguna, HoD, TIAS, where participants presented research pitches integrating AI tools and received expert evaluation. The programme concluded with a Vote of Thanks by Dr. Anita Rai, Principal, AIRSR. Overall, the FDP provided a structured progression from research foundations and design to literature mapping, tool validation, quantitative analysis, AI-assisted analytics, academic integrity, scholarly writing, peer review and research pitching. The programme promoted critical thinking, research ethics, methodological competence, responsible AI use and continuous professional development, thereby strengthening the capacity of faculty members to undertake, communicate and support high-quality academic research.



ResourcePerson	Dr. Ajay Rathor (Director, TIAS), Dr. M N Jha (Dean Academics, TIAS), Dr. Shivendu Kumar Rai (Professor/HoD, TIAS), Dr. Pushpa Rani (Assoc. Prof., TIAS), Dr. Deepak Chaoudhary (TIAS), Dr. Upasna Khurana (Academic Coordinator, TIAS), Dr. Pooja Sharma (Assoc. Prof., TIAS), Dr. Shaleeni Gupta (Assoc. Prof., TIAS), Dr. Neeta (Assoc. Prof., TIAS), Dr. SushmaBahuguna (HoD, TIAS)
AttendanceSheet*	Attached at the end of Report
Feedback	Attached at the end of Report
ReportSubmittedbyConvener*(writefaculty coordinator name)*	As per designated FDP coordinator
ForOfficeUse	
Signatureof EventCoordinator	**SignatureofSchool/Department Head** *(WithSeal)*
Listof Beneficiary	

Fields marked with''are mandatory*

LIST OF FACULTY MEMBER

S. No.	Nameof Faculty members	Signature
1.	Ms. Sanjana Mittal (Dy. Director)	
2.	Dr. Anita Rai (Principal)	
3.	Ms. Geeta Bhutani (HOD ID)	
4.	Mr. TarunPataanjali (Faculty ID)	
5.	Ms. Radha Rani Rawat (HOD HI)	
6.	Mr. Jitender Srivastava (Faculty HI)	
7.	Mr. Prabhat Ranjan (Faculty HI)	
8.	Ms. Jyoti (Faculty HI)	
9.	Ms. Preeti Goyal (Class In charge ASD)	
10.	Ms. Ananya Jindal (Faculty ID)	
11.	Mr. Sandeep Tiwari (Faculty ASD)	
12.	Ms. Anoushka Sharma (HOD LD)	

13.	Mr. Sandeep Upadhyay (HOD-VI)	
14.	Mr. Dinesh Bindal (Faculty VI)	
15.	Mr. Ramtirath Prajapati (Faculty VI)	
16.	Mr. Vikas Kumar (HOD MD)	
17.	Mr. Gurusharan Singh (Faculty MD)	
18.	Mr. Harsh (Faculty HI)	
19.	Ms. Tanishka Mathur (Faculty MD)	
20.	Ms. Bhawna Chauhan (Faculty MD)	

