About Institute of Public Enterprise

Institute of Public Enterprise, Hyderabad is an autonomous non-profit society devoted to sustained and systematic study of issues relevant to the formulation, implementation, review, monitoring and assessment of policies and programs concerning public enterprises. It is a fast growing B-School with its unique approach of grooming the right talent to the industry and responsible citizens to the society.

Over the last five decades, the Institute has transformed itself into an institution that is engaged in a multi-faceted activity comprising management education, research, management training and research in management & social sciences. IPE has developed from being a research and training organization to an internationally regarded educational institution. IPE is recognized as 'Centre of Excellence' in social science research by Indian Council of Social Science Research (ICSSR), Ministry of Human Resource Development, Govt. of India in the year 1976.

The Institute is governed by a body of eminent professionals, academics and administrators with Shri. K Madhava Rao, IAS (Retd.), as the President of IPE. Prof S Sreenivasa Murthy, Director of IPE is an exceptional academician with more than two decades of experience and he has been recently appointed as a Vice-Chairman of Association of Indian Management Schools (AIMS), Telangana Chapter.

For further details about the course, please contact
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INSTITUTE OF PUBLIC ENTERPRISE

IPE Estd: 1964
(Under the aegis of ICSSR, MoE, GoI)
HYDERABAD

Indian Council of Social Science Research
Ministry of Education
Aruna Asaf Ali Marg, New Delhi 110067

A Ten Day Research Methodology Course (In-person only) on
Application of AI Tools in Social Science Research

(A Nationally Sponsored Course for Young Researchers and
Faculty Members in all Social Science disciplines)
Under the Training and Capacity Building (TCB)
Programme of Indian Council of Social Science Research (ICSSR))

Organized by
CDSAI
Centre for Data Science and Artificial Intelligence, Institute of Public Enterprise

Empowering Social Scientists with AI for Ethical and Impactful Research
Programme Dates: 06 October 2025 – 16 October, 2025 (10 full working days)
Venue : INSTITUTE OF PUBLIC ENTERPRISE, Osmania University Campus, Hyderabad

Course Patron
Prof. S Sreenivasa Murthy
Director, Senior Professor &
NLCIL Chair Professor on CSR, IPE

Course Director
Dr Shaheen
Associate Professor - Information
Technology & Analytics, IPE

Course Co-Director
Dr Sagyan Sagarika Mohanty
Assistant Professor &
Joint Coordinator – PGDM MM, IPE

Why this Research Methodology Course?

In the data-driven era, social scientists must evolve beyond traditional methods to handle vast digital datasets. Integrating AI and Machine Learning (ML) is crucial for discovering patterns, forecasting trends, and generating actionable insights. Many M.Phil., Ph.D., and Post-Doctoral researchers lack formal training in these emerging technologies. This 10-day workshop on *"Application of AI Tools in Social Science Research"* is designed to bridge this skill gap, empowering scholars with AI-enhanced research capabilities, promoting interdisciplinary thinking, and ensuring ethical alignment with national frameworks like the DPDP Act, 2023.

Course Objectives

By completing this RMC, participants will:
1. Develop AI/ML literacy through hands-on training in Python, R, Tableau, and Power BI.
2. Integrate computational methods with traditional qualitative/quantitative research.
3. Enhance publication strategies for high-impact journals (Scopus/ABDC).
4. Adopt ethical best practices for transparent, collaborative data handling.

Participant Benefits		
Skill Development	**Professional Growth**	**Research Outputs**
Getting started with AI/ML tools (Python/ R/ BlueSky Statistics)	Networking with IIM/NIT experts	Scopus/ ABDC publication support
DPDP Act & bias mitigation training	Field visits to policy labs (T-Hub/NIRDPR)	Plagiarism checks & referencing tools
Dashboard creation (Tableau/Power BI)	Certificate of Participation	Mentor-guided proposal refinement

Program Highlights

Core Components

Expert-Led Sessions
NLP, supervised/unsupervised learning, decolonial AI.

Tool Labs
Hands-on practice with Python, R, BlueSky, Zotero/Mendeley.

Ethics & Compliance
DPDP Act, bias/fairness, open science principles.

Unique Offerings

Field Visit
AI applications at T-Hub/Centre for Good Governance

Publication Pipeline
From proposal writing to journal submission

Methodology & Pedagogy

Interactive Lectures
(Days 1–4)
Case studies, AI fundamentals

Tool-Driven Workshops
(Days 2–5)
Python/R labs, Tableau dashboards

Applied Learning
(Days 6–9)
Field visits, mini-projects

Mentorship
(Days 7–10)
Proposal feedback, journal targeting

Course Modules

AI in Social Science Research: 10-Day Journey - Explore AI's role in social science with a 10-day, hands-on course—spanning foundational frameworks, advanced machine learning, NLP, field applications, publishing skills, and ethical frontiers for future-ready researchers.
1. Day 1 - Foundations & Frameworks
2. Day 2 - Research Design & AI Tools
3. Day 3 - Machine Learning Deep Dive
4. Day 4 - Natural Language Processing & Data Resources
5. Day 5 - From Research to Publication
6. Day 6 - Policy, Law, & Field Experience
7. Day 7 - Post-Field Reflection & Data Visualization
8. Day 8 - Case Studies, Publishing & Responsible Science
9. Day 9 - Future Frontiers - Advanced AI & Ethics
10. Day 10 - Way Forward - From Learning to Legacy

Target Audience: M.Phil./ Ph.D./ PDF Scholars in Social Science discipline

Programme Fee :

No Fee Applicable. This course is fully sponsored under the Training and Capacity Building (TCB) Programme of Indian Council of Social Science Research (ICSSR), Ministry of Education (MoE), GoI. Reimbursement of TA & DA will be made in accordance with the eligibility criteria.

Note: - Seats are limited and will be filled on a First-Come First-Served basis. Last date for sending nominations is 25th September, 2025

Course Directors:

Dr. Shaheen, an Associate Professor at IPE, holds a Ph.D. with over two decades of teaching, she specializes in Data Science, Machine Learning, Deep Learning, and AI, proficient in R and Python. Her impactful work includes successful research projects funded by AICTE, UGC, and ICSSR, significant consultancy assignments for various organizations, and extensive publications in her field. Highly rated for executive training, she is also an ICSSR-empaneled Research Methodology Expert for Telangana, reflecting her significant contributions.

Dr. Sagyan Sagarika Mohanty, Assistant Professor of Marketing and Digital Marketing, holds a Ph.D., MBA, and an Advanced Certificate from MICA. With extensive academic experience, her research focuses on digital marketing, brand equity, and the application of AI in social science, including healthcare and tourism. She has a strong publication record in Scopus-indexed journals and edited books, alongside numerous presentations at international conferences on topics such as AI's impact on youth health. She also serves as a resource person for academic writing and SEO.