



SEVEN-DAY SUMMER SCHOOL ON RESEARCH METHODOLOGY IN SOCIAL SCIENCES AND MANAGEMENT

DEPARTMENT OF HUMANITIES AND SOCIAL SCIENCES
INDIAN INSTITUTE OF TECHNOLOGY KHARAGPUR,
INDIA

24- 30 JUNE, 2024

In this intensive seven-day summer school, participants will delve into various aspects of research methodology aimed at equipping young researchers with essential skills to conduct high-quality research in their respective fields. The primary focus of the workshop is to enhance research quality, foster an environment conducive to research, and address significant issues identified through discussions with experienced professionals.

Throughout the program, participants will learn the fundamentals of research, including why it is essential, where and how to conduct it, and how to write and publish papers. This workshop is invaluable for both young researchers seeking guidance and experienced professionals looking to refine their skills.



RESEARCH METHODOLOGY

Important dates:

Closing date of registration: 16th June, 2024

Time and Venue:

24- 30 June, 2024 (9:30 am to 05:15 pm)

Seminar Room, Department of Humanities and Social Sciences, IIT Kharagpur, West Bengal, India

Program Fee:

Research Scholars	INR 3500 /-
Faculty	INR 5000/-
Corporates	INR 7000/-

Note: 18% GST is applicable in addition to course fee.

How to apply:

<https://erp.iitkgp.ac.in/CEP/courses.htm>

(use the link to apply online)



Payment: if applicable, is to be done **ONLINE** after getting shortlisted for the program.

For Accommodation, Extra Charges will be applicable based on the availability.

Contact us:

Dr. Vikas Thakur

Dept. of Humanities and Social Sciences, IIT Kharagpur

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Department of Humanities and Social Sciences:

The Department came into existence with the very inception of IIT Kharagpur in 1951. With a vibrant community of scholars and a commitment to interdisciplinary learning, we explore the complexities of society, culture, and human behavior. Our diverse programs delve into areas such as psychology, HRM, literature, history, philosophy, economics, sociology, and more. At the forefront of research and innovation, we strive to understand and address the pressing challenges facing our world today. Join us in shaping a brighter future through the lens of the humanities and social sciences.



Kharagpur - a dusty town tucked away in the eastern corner of India, famous until 1950 as home to the longest railway platform in the world - became the nursery where the seed of the IIT system was planted in 1951. IIT Kharagpur started its journey in the old Hijli Detention Camp in Eastern India, where some of the country's great freedom fighters toiled and sacrificed their lives for India's independence. Spurred by the success of IIT Kharagpur, four younger IITs sprouted around the country in the two following decades, and from these five came thousands of IITians, the brand ambassadors of modern India. It was the success of this one institution at Kharagpur that wrote India's technological odyssey.

The Institute takes pride in its relentless effort to provide the best platform for both education as well as research in the areas of science and technology, infrastructure designs, entrepreneurship, law, management, and medical science and technology. IITKGP is not just the place to study technology, it is the place where students are taught to dream about the future of technology and beam across disciplines, making differences enough to change the world.

What you will learn:

- ❖ Introduction to Social Science Research & Research Design
- ❖ Tools and techniques for data collection and data analysis
- ❖ Ethical and legal issues in research
- ❖ Writing a literature review chapter/paper (e.g. systematic review, meta-analysis, bibliometric analysis; etc.)
- ❖ Descriptive statistics and data visualization
- ❖ Experimental research design and statistical analysis
- ❖ Hypothesis testing: univariate and bivariate analysis
- ❖ Multivariate analysis: dependence and interdependence analysis
- ❖ Scale development and testing
- ❖ Multi-criteria decision-making techniques: AHP, ANP, TOPSIS, DEMATEL, hybrid modeling
- ❖ Interpretive structural modeling and structural equation modeling
- ❖ Data mining and predictive analytics
- ❖ Data Envelopment Analysis (DEA): Performance measurements
- ❖ Big data analytics using R
- ❖ Q&A, Interactive Session with Journal Editors (Scopus and SCI Indexed Journals)
- ❖ How to write high quality paper for high impact factors journals

Tools to be covered in the lab sessions:

- ❖ Bibliometric analysis using **VosViewer**
- ❖ Structural Equation modeling using **SPSS, AMOS**
- ❖ Qualitative analysis using **Nvivo software**
- ❖ Data Analytics **Using R Programming**

ORGANIZING COMMITTEE:

Principal Coordinator:



Dr. Vikas Thakur
Assistant Professor, IIT Kharagpur

Co-Coordiators:



Prof. Rabindra Kumar Pradhan
Professor, IIT Kharagpur



Dr. Binita Tiwari
Assistant Professor, IIT Kharagpur

Accommodation: Guest house will provided to all selected applicants on first come first basis. Candidates have to pay for the guest house and food charges during their stay at IIT Kharagpur.

Student Coordinators:

- Juby Merin Sam (9072816178) Shilpa Sabu (9446900098)
- Ruchi Singh (8787095724) Peeyush Anand (9315663778)
- Devanshi Thakur (9910808658) Adnaan Ahmad (9971288972)
- Priyasha Kundu (9804846447)

EXPERTS:

Esteemed academic professionals from prestigious institutions such as IITs, IIMs, renowned international universities, alongside the Editor-in-Chief of an esteemed international journal, will spearhead the workshop. These experts bring a wealth of knowledge and experience to the table, delivering engaging lectures and facilitating interactive sessions on research methodology. Additionally, participants will benefit from hands-on lab sessions, ensuring a comprehensive learning experience.