



10-Day Research Methodology Course



May 12-21, 2025
Dept. of HSS, IIT Roorkee

Overview

The 10-day research methodology course (RMC) for social sciences, scheduled from May 12-21, 2025, with experts from IIM Kolkata, IIT Kanpur, IIM Kashipur, JNU, Shiv Nadar University, JMI, IIT Roorkee, and Doon University, etc. aims to provide a comprehensive understanding of latest research techniques and tools across multiple disciplines. This has both theory and hands-on sessions. To tie theory with practice, the course will include a field visit, offering insights into community development and the practical application of research for local empowerment. Finally, the course will culminate in training on scientific report writing, enabling participants to communicate their findings effectively and contribute meaningfully to the academic and research discourses.

Venue and Duration

Duration: May 12-21, 2025 (10 days): lectures and Tutorials/practical

Venue: Dept. of HSS, IIT Roorkee, Uttarakhand, India -247667

Selected Topics

- Scientific approaches of research and design - Survey design for the vulnerable sections, PPS sampling
- E-library, Mendeley and Zotero
- Systematic review of literature - PRISMA based Bibliometric analysis
- Sources of large-scale data and exploration
- Introduction to R-studio, SPSS and STATA
- Parametric and non-parametric tests
- Regression models of Qualitative and Quantitative variables
- Instrumental Variable (IV) Techniques using R
- Application of remote sensing and GIS tools
- Causal inferences and Econometric models
- Model discussion on vocal for locals – visit to Unnat Bharat Abhiyan (UBA) villages and units
- Content analysis using qualitative tools - ATLAS.ti / NVivo
- Multi-Level Modeling (MLM) using R Studio
- AI and big-data analytics using R
- Scientific Report Writing

Eligibility Criteria

- Applicant must be in M.Phil./Ph.D./PDF (early career) in Social Sciences*

The organizers promote gender equality.

Maximum number of Participants: 30 (* as per ICSSR guidelines)

Food, Accommodation & Travel

The participants will be provided with accommodation on the campus on a payment basis, if requested, subject to availability. Travel costs of participants shall be reimbursed only for second class/sleeper class/bus fare (a maximum of Rs1000 to out-station applicant). A limited number of scholarships for food and accommodation to be provided to PhD students who have no fellowships/scholarships (proof letter from HoD/Dean/Registrar/ Director is required).



Fees

There is no registration fee for the participants and no fees for instructional materials, kit, computer/lab use for tutorials and assignments, laboratory equipment usage charges, food (during sessions) and internet access throughout the campus.

Deadlines

Last date to apply:

5th March 2025

Acceptance email (for shortlisted candidates):

8th March 2025

Request for Accommodation (fees applied#):

12th March 2025

(#through the WhatAapp group)

Apply:

<https://forms.gle/jt58ygb6wc6wTXs98>

Resource Persons (Prof./Dr.)

Resource persons/experts are mostly from IIM Calcutta, IIT Kanpur, JNU, Shiv Nadar University, IIT Roorkee, Jamia Millia Islamia, IIM Kashipur, and Doon University, etc.

Course Director /Co-Director

Dr. Pratap C. Mohanty

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Contacts:



Hosted by: **AHEAD Lab**, IIT Roorkee.

Details of the course: www.ahead.iitr.ac.in

Rashi Jain (Ph.D. Scholar, HSS IITR)

Email: ahead@iitr.ac.in

Landline: +91-0133228-4884 (10AM – 6PM)

A WHATSAPP group to be made available to the shortlisted participants.

➤ **Weather Condition and Tourist Hotspots**

The temperature in Roorkee in May ranges around a high of **38°C to a low of 22°C**.

<http://uttarakhandtourism.gov.in/>; <https://www.euttaranchal.com/tourism/roorkee-excursions.php>