



Capacity Building Programme
on
Quantitative and Qualitative Methods for Research in Social Sciences
January 10-21, 2022

Organized by:
Department of Humanities and
Social Sciences,
Indian Institute of Technology
Roorkee, Roorkee-247667,
Uttarakhand

Sponsored by:
Indian Council of Social Science
Research (ICSSR), New Delhi-
110067

About the Programme

The capacity-building programme is designed to offer the participants practical guidelines for social science research with a focus on the use of a variety of qualitative and quantitative methods. The programme will emphasize on the variety of tools and techniques of research methods used in social science studies, with particular emphasis on the implementation of these methods in handling economic and social issues both at the micro and macro levels. Alongside, the project assessment techniques will be discussed. The objective is to involve interdisciplinarity and direction to participants through all the stages of research—from identifying a viable research problem, design, data collection- questionnaire approach and focus group discussion- and handling, evaluation, and the final report, or quality research article. The application of methods will be illustrated using examples from diverse fields, including economics, behavioural studies, social issues- education and health- and business. Hands-on sessions will be conducted using Microsoft Excel, SPSS, GIS and R.

Coverage

Broadly, the course intends to deal with a variety of analytical research methods used in social sciences and allied studies, with particular emphasis on the implementation of these methods. Topics to be covered include

- Introduction To Quantitative and Qualitative Methods for Social Science Research
- Methods and Tools for Defining and Collecting Data in Social Science Research- Designing the questionnaire
- Interview and Focus Group Discussion
- Survey Data Analysis and Extraction of Unit level data
- Data Visualizing and Summarizing
- Using GIS for Social Science Research
- Process to Generate Samples- Probability and Non-Probability Sampling
- Introduction to Inference –Analytics of Hypotheses Testing
- Predictive Regression Methods
- Multivariate Techniques & Structural Equation Modelling
- Recent Developments- Policy- and Evidence-based Research
- Methods of Index Construction in Social Science Research



- Mechanics of Writing a Research Report and Research Paper
- Publishing Research Paper, Handling Plagiarism & Selecting Journals
- e-library and e-databases

Eligibility criteria for participants

All those who are serving as a Lecturer/Assistant Professor/Young Faculty in the field of Social Sciences in a UGC recognized Indian University/Deemed University/College/Institute of National Importance and ICSSR Research Institutes or engaged in or planning to engage in economic and social science research will be eligible to apply for the course. People who are interested in undertaking research projects from the government and other funding agencies will also find it helpful.

The number of seats is limited to 20. The priority will be given to the participants from the neighboring states.

How to Apply:

Interested candidates can apply to **Course Director** by filling up the registration form on or before **December 25, 2021**. The registration form is appended below. A duly filled soft copy of the registration form and required documents may please be sent through email at humanities.iitr@gmail.com

The following enclosures are required:

1. Brief CV of the applicant and degrees of Graduation, PG and Ph.D.
2. Research statement covering current research problems (not more than 2 pages).
3. A copy of Caste/Community certificate of ST/SC/OBC/Minority.
4. Full Covid-19 vaccination certificate

Candidates who have already attended a similar program need not apply. Participants are required to bring their Laptop for practical sessions.

***Applications received after the due date shall not be considered.**

Registration Fee:

There is no registration fee for the selected participants.

Duration & Venue of the Workshop:

The Workshop will be conducted from **January 10, 2022 to January 21, 2022** at the IIT Roorkee Campus.



COVID-19 Guidelines

Relevant COVID Standard Operating Procedures and guidelines set by the Government of Uttarakhand and IIT Roorkee will be followed.

The selection in the programme will be conditioned on the submission of a full vaccination certificate (both doses) along with an application form to protect health and safety. These rules will apply to all the participants, invited speakers and associated staff.

Social distancing is warranted and seating of 3:1 will be maintained in a room.

Early submission of application and selection on first-cum basis is highly recommended.

Accommodation & Travel Allowance:

Accommodation will be provided to the outstation participants only. Travel allowance by shortest distance (2nd class return train fare or bus fare only) will be reimbursed to the outstation participants, as per the ICSSR guidelines.

Contact:

For any information/clarification, please contact the Course Director(s):

Prof. S.P.Singh,

Department of Humanities and Social
Sciences,
Indian Institute of Technology Roorkee,
Roorkee-247667, Uttarakhand
Mob.: +91 9837714002
Email: humanities.iitr@gmail.com

Prof. Rachita Gulati,

Department of Humanities and Social
Sciences,
Indian Institute of Technology Roorkee,
Roorkee-247667, Uttarakhand

About IIT Roorkee

The Indian Institute of Technology Roorkee has its foundation in the Thomson College, which was founded in 1847 and was accorded the status of the first University of Technical Education (University of Roorkee) in Independent India in 1949. On September 21, 2001, the Government of India declared it as the nation's seventh IIT. Over the years, it has built up and maintained an outstanding academic reputation. It has academic departments in the areas of Engineering, Sciences, Architecture, Management, Humanities and Social Sciences, besides several centers of excellence in the realm of higher education and research.

About the Department of Humanities and Social Sciences

The Department of Humanities and Social Sciences was established in 1966. Over the years, it has grown into a vibrant department with teaching and research programmes in Economics, English, Psychology, and Sociology. The department is well equipped with excellent research facilities such as Digital Communication Research and



Training Laboratory, Computer Lab, Economic Databases, and Psychology Laboratory.

Presently, **Prof. Anindya Jayanta Mishra** is serving as the Head, Department of Humanities and Social Sciences, IIT Roorkee.

How to reach IIT Roorkee

Roorkee is well connected to Delhi by rail and road. Some trains which are convenient for travelling between Delhi and Roorkee are New Delhi-Dehradun-New Delhi Shatabdi Express and Dehradun-New Delhi-Dehradun Janshatabdi Express. The nearest airport is located at Jollygrant, Dehradun. However, IGI New Delhi is the preferred airport. NH 58 from New Delhi to the higher reaches of the Himalayas passes via Roorkee. Roorkee is, therefore, well connected to all the major cities in the region by road. This place has frequent bus services from the Maharana Pratap Inter State Bus Terminal (Kashmere Gate) Delhi.

Weather in Roorkee

The climate in Roorkee is extreme during winters as well as summers. There is a peak winter during January. The temperature may low as 5–15 degrees Celsius.



Department of Humanities and Social Sciences
(Established since 1966)

Quantitative and Qualitative Methods for Research in Social Sciences
(January 10-21, 2022)
[Sponsored by ICSSR]

Registration Form

(space for latest
passport size
photograph)

Name							(space for latest passport size photograph)
Designation							
Date of Birth	DD	MM	YEAR				
Category (pl. put a tick mark [<input type="checkbox"/>] in the corresponding cell)	ST	SC	OBC	MINORITY	GEN		
Gender	Male	Female					
Post-Graduation							
Ph.D. Completed/ Ongoing							
Area of Specialization							
Title of Ph.D. Thesis							
Name & address of the Institute/ University							
Address for Communication:							
Ph. No. (Off.)				Mobile:			
Email:							
Accommodation required	YES			NO			
Have you attended similar course earlier: Yes / No _____ If yes, provide details:							

(Signature of the participant)

Note: Participants are required to bring their Laptop for practical sessions.



Please email the filled registration form with enclosures in a single pdf file to:
The Course Director(s), ICSSR Sponsored Capacity Building Programme 2022, Department of Humanities and Social Sciences, Indian Institute of Technology Roorkee, Roorkee-247667, Uttarakhand, India.
Email: humanities.iitr@gmail.com
Ph.: 01332- 285337 (O), 01332- 285683 (O)

For any further query, please contact Course Director(s) at: humanities.iitr@gmail.com

Prof. S. P. Singh,
Department of Humanities and Social Sciences,
Indian Institute of Technology Roorkee,
Roorkee-247667, Uttarakhand

Dr. Rachita Gulati,
Department of Humanities and Social Sciences,
Indian Institute of Technology Roorkee,
Roorkee-247667, Uttarakhand

Check List for Enclosures:

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