

**Capacity Building Programme**  
**on**  
**Quantitative and Qualitative Methods for Research in Social Sciences**  
**1-12 June, 2020**

**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 the practical guidelines for social science research with the focus on the use of a variety of qualitative and quantitative methods. The programme will emphasize on the variety of frontier 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 the diverse fields, including economics, behavioural studies, social issues- education and health- and business. Hands-on sessions will be conducted in the research laboratory using Microsoft Excel and SPSS.

### Coverage

Broadly, the course intends to deal with variety of analytical research methods used in economics 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 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 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 to undertake research projects from government and other funding agencies will also find it helpful. The host institution should duly forward the application of the participant for participation in the course.

The number of seats are limited to 30. Only 20 outstation and 10 local participants could be accommodated. The priority will be given to the participants from the neighbouring states.

### **How to Apply:**

Interested candidates can apply to **Course Director(s)** along with duly filled up the registration form on or before **April 10, 2020**. Registration form can be downloaded from the institute's website <http://www.iitr.ac.in/>. A soft copy of registration form through email at [humanities.iitr@gmail.com](mailto:humanities.iitr@gmail.com) followed by a hard copy of the registration form and required documents may please be sent to the **Course Director(s)** of Workshop at

***The Course Director(s), ICSSR Sponsored Capacity Building Programme 2020, Department of Humanities and Social Sciences, Indian Institute of Technology Roorkee, Roorkee-247667, Uttarakhand, India. Ph.: 01332- 285337 (O), 01332-285683 (O)***

The duly filled in registration form must be accompanied with the following enclosures:

1. Brief CV of the applicant along with degrees of Graduation, PG and Ph.D.
2. No Objection Certificate from Current Employer.
3. Research statement covering current research problems (not more than 2 pages).
4. Attested copy of Caste/Community certificate of ST/SC/OBC/Minority.

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

**\*Applications received after due date and not forwarded by appropriate authorities shall not be considered.**

### **Registration Fee:**

There is no registration fee for the selected participants.

### **Accommodation & Travel Allowance:**

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

### **Duration & Venue of the CBP:**

The Workshop will be conducted during **June 1, 2020 to June 12, 2020**. The workshop will be organised in the Department of Humanities and Social Sciences, Indian Institute of Technology Roorkee, Roorkee-247667, Uttarakhand, India

### **Contact:**

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

**Prof. S.P.Singh,**

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Sciences,  
Indian Institute of Technology Roorkee,  
Roorkee-247667, Uttarakhand  
Mob.: +91 9837714002  
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Department of Humanities and Social  
Sciences,  
Indian Institute of Technology Roorkee,  
Roorkee-247667, Uttarakhand  
Mob.: +91 9675501888

### **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 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.

### **How to reach IIT Roorkee**

Roorkee is well connected to Delhi by rail and road. It is situated on NH 58 and 73 and is on Amritsar-Howrah main rail route. 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. There are frequent bus services to this place 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 summers during the month of June. The temperature may high as 35–40 degree Celsius.

**Department of Humanities and Social Sciences**  
 (Established since 1966)

**Quantitative and Qualitative Methods for Research in Social Sciences**  
**(1-12 June, 2020)**  
**[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.**

Forwarded by:

Signature of the Head of the Institution/Department  
(Name, Address & Seal)

**Please send the duly filled registration form with enclosures to:**

The Course Director(s), ICSSR Sponsored Capacity Building Programme 2020, Department of Humanities and Social Sciences, Indian Institute of Technology Roorkee, Roorkee-247667, Uttarakhand, India. Email: [humanities.iitr@gmail.com](mailto: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](mailto:humanities.iitr@gmail.com)

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Department of Humanities and Social Sciences,  
Indian Institute of Technology Roorkee,  
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**Check List for Enclosures:**

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