



**Department of Humanities & Social Sciences  
National Institute of Technology  
Rourkela – 769 008 (Odisha)**

**A Ten-Days ‘Research Methodology Course for PhD Students’  
(20<sup>th</sup> –29<sup>th</sup> March 2013)**

## **INTRODUCTION**

Social science research is passing through a defining time, wherein it is striving for a global marketplace. With a purpose to attain a competitive edge and elite status, social science research needs to focus on linking classroom teaching with R&D and modern development of the globalized world. Knowledge of research methodology both on quantitative and qualitative analysis and econometric tools provide hands-on user skills and are helpful research students. This course will help the students analyze the data scientifically not only for teaching but also for empirical research and to prepare rational decision makers for better policy implications.

The ICSSR, New Delhi, as part of its research promotion activities, sponsors workshop on research methodology on quantitative and qualitative analysis for PhD students of SC/ST category in order to improve research skills and competence of young social scientists to undertake research. The workshop at NIT Rourkela, sponsored by ICSSR, will address analytical strategies of coding qualitative data, statistical analysis of questionnaire surveys, and will provide a platform to show how to write results of qualitative and quantitative analysis. It will also take into its purview difficulties and solutions in data analysis and writing encountered in professional and academic settings. The course will provide class room discussion with practical field exposure.

## **THEMATIC AREAS FOR THE WORKSHOP**

### **A. QUANTITATIVE RESEARCH METHODOLOGY**

- Research: Nature & Concept
- Research Process and Sampling
- Hypotheses, Methods and Tools of Data Collection

- Research Designs
- Statistical Analysis

## **B. QUALITATIVE RESEARCH METHODOLOGY**

- Qualitative Research: Concept, History and Epistemological Background.
- Logic: Inductive & Deductive Inferences, Propositions, Premise & Conclusion.
- Content Analysis, Narrative Inquiry, Discourse Analysis, etc.
- Ethnographic Study – Narrative Ethnography, Observation, Case Study Method, etc.
- Data Analysis – Documentation and Writing Qualitative Research

### **OBJECTIVES:**

This research programme provide the advanced theoretical and practical knowledge by field visit exposure and use of different statistical package to all three stage of research students such as planning to pursue the doctoral research programme, those who are stage of their data analysis and field work; and final stage of their thesis writing. Specifically, the objectives of this workshop are:

- To provide inputs to students who are in the planning stage of their doctoral research. The inputs would be about developing a theoretical and methodological framework of their research, conceptualization and framing research questions, etc.
- To provide inputs to students who are currently in the middle of fieldwork/data collection. The inputs would be in terms of suggesting ways out of methodological or analytical bottlenecks.
- To provide inputs to students who have finished fieldwork and are in the process of writing. The inputs would be in relation to the analysis, writing and organization of chapters.

### **FOR WHOM**

The programme is designed to the students who are currently pursuing their M.Phil/Ph.D. in different branches of social sciences in approved institutions, colleges and universities.

### **NOMINATION**

A maximum of 30 participants from SC/ST category particularly from eastern states (Odisha and West Bengal) and neighbouring states of Odisha will be allowed to attend this research methodology course. However, scholars from other states may also apply.

## **HOW TO APPLY**

Interested participants should submit their nomination on the prescribed form attached herewith endorsed by the Head of the Department (*scanned soft copy may be mailed*) followed by hardcopy by post along with full CV along with an outline (about 500 words) of a research work stating the problem, research questions, sources of data, broad methodology and analytical tools. Each nomination should be forwarded to the Program Coordinator or Co-Coordinator. Applications received after the stipulated last date will not be considered. It is advisable to send nomination through email to the Program Coordinator or Co-Coordinator to get your name registered at the earliest followed by hardcopy by post (details are provided at the bottom). It is essential for participants to bring their own laptop.

## **BENEFITS TO PARTICIPANTS**

The training for the invited participants will be free of cost without any registration fee. Participants will also be reimbursed travel expenses and will be provided with boarding and lodging facility as per the ICSSR norms. A certificate of participation will be provided on successful completion of training.

## **IMPORTANT DEADLINES**

*Last date for sending Nomination: 28<sup>nd</sup> February, 2013.*

*Confirmation of participation: The acceptance will be communicated by 2<sup>nd</sup> March, 2013.*

*Confirmation from the participants to attend the workshop: 4<sup>th</sup> March 2013.*

## **STRUCTURE OF THE WORKSHOP**

The workshop would be spread over ten days. The thirty participants would be divided into groups (if needed). Every day there would be two technical sessions (resource person's presentation + students' presentations cum practical sessions). Reading material specific to their respective topics would be identified and circulated along with proposals/papers/chapters among all the students by the resource person. Apart from the classroom deliberations, participants would also have a one-day exposure to the field in a tribal village nearby to Rourkela. This will enhance the participants to execute their research skills.

## **RESOURCE PERSONS**

Eminent and accomplished scholars drawn from reputed Institutions, Departments/Universities will deliver lectures, followed by interactive sessions on the subjects.

## **VENUE**

Department of Humanities and Social Sciences, National Institute of Technology, Rourkela

## **ABOUT THE DEPARTMENT**

The Department of Humanities & Social Sciences has been functioning as a full-fledged department since the inception of the institute catering to both undergraduate and postgraduate students. The faculty has wide experience in research, communicating with students of diverse background and in imparting education on Interpersonal skills to students of widely differing abilities.

## **ABOUT THE INSTITUTE**

National Institute of Technology, Rourkela, is an institute of national importance for imparting higher education in India. It is fully funded by the Government of India and is devoted to teaching, research and innovation in various branches of studies. With a reputation for excellence at both undergraduate and postgraduate levels, the goal of the institute is on research, innovation and creating intellectual property of global standard. The institute is spread over 262 hectares of lush green picturesque landscape, against a hilly backdrop, creating a tranquil environment within a completely residential campus for students and faculty.

## **HOW TO REACH NIT ROURKELA**

En route Howrah – Mumbai main line of South Eastern Railway, it is well connected by railway service network with the rest of India and also by inter- and intra-state bus services. Rourkela railway station is approximately 6 kms from NIT Campus.

All correspondence shall be made to the

**Program Coordinator:**

**Prof. Narayan Sethi**

Assistant Professor

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**For more information please visit institute website: [www.nitrkl.ac.in](http://www.nitrkl.ac.in)**



**Department of Humanities & Social Sciences,  
National Institute of Technology,  
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**REGISTRATION FORM**

**(Last date for submission of the Registration Form is 22<sup>nd</sup> February, 2013)**

1. Name:
2. Designation:
3. Mailing Address:
4. Organization:

Telephone No:

Fax:

E-mail:

5. Accommodation required: Yes / No (Whether Single / Twin-Sharing)

Date:

(Signature of the Participant)

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**Sponsoring Authority**

Signature:

Name:

Designation:

Organization:

Date:

(Seal)