



**SCHOOL OF MANAGEMENT**  
**NATIONAL INSTITUTE OF TECHNOLOGY**  
**ROURKELA-769008, ODISHA**  
Web: [nitrkl.ac.in](http://nitrkl.ac.in)

**Training Course on**  
**Research Methodology in Social Sciences**  
**for Research Scholars (M.Phil. /Ph. D.)**  
**(3rd – 12th February, 2014)**



**Sponsored by**  
**Indian Council of Social Science Research**  
**New Delhi**

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. Social science research is characterized by a diversity of theoretical perspectives, methodological strategies, data collection practices and analysis techniques. With the passage of time the methodological approaches has come up with new additions. This has made it always necessary to provide training and orientation on a continuing basis to researchers to equip them with advanced methodological skills. It has been observed that many researchers could not produce research works of high quality because they are either not in touch with the latest research tools and techniques or do not have proper orientation to use the traditional research methods efficiently. The problem has further been aggravated by lack of opportunities for the social researchers to refine their methodological skills and to get insight in fresh areas of research in their respective fields. On the other hand the rapid advancement of knowledge in all disciplines of social sciences has made research an activity of solving problems, which adds new dimensions and generalizations on the basis of gathered empirical evidences. Recognizing this need, School of Management jointly with Department of Humanities and Social Sciences, National Institute of Rourkela is organizing a ten days Training Course on Research Methodology in Social Sciences for research scholars from 3rd February to 12th February, 2014 sponsored by ICSSR, New Delhi.

The objectives of this course are to help participants to acquire intensive knowledge and understanding on the various aspects of research methodology in social sciences. The training program strives to highlight some emerging philosophical and methodological issues emerging in social science research. The program of the course will inculcate discussions on formation and selection of a research problem; design of research; sampling techniques; tools of research; collection of data; analysis of data; interpretation and discussion of results and report writing. Knowledge of research methodology both on quantitative and qualitative analysis and econometric tools provide hands-on user skills and are helpful research students.

This research program 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 program, those who are stage of their data analysis and field work; and final stage of their thesis writing. This course will help the students to analyze the data scientifically not only for teaching but also for empirical research and to prepare rational decision makers for better policy implications. This course will address selection of appropriate tools of data collection, analytical strategies of coding qualitative data, statistical analysis of collected data, 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 which will definitely energize the young researchers in the field of social sciences.

#### **Content of the Workshop**

- Introduction to Social Research, Philosophy and Generic Terminology (Ontology-Epistemology-Methodology-Methods).
- Development of research proposal, formulation of problems, Fundamentals of Social Research (Theory-Theoretical Frame Work-Conceptual Frame Works-Concepts and Measurable Variables).
- Research Design, Research Process, sampling, sampling procedure and sampling deign.
- Quantitative Research Methods (Methods and their Nuances-Social Survey).
- Qualitative Research Methods (Methods and their Nuances- Ethnography, Case Study, Content Analysis, Focus Group Discussion, Observation).
- Methodological and Measurement Issues in Social Science Research
- Triangulation and Hybrid Methods.
- Hypothesis Concept & Types of Hypotheses, Formulation of Hypothesis, Testing of Hypothesis.
- Designing and Formulation of Questionnaire and Interview Schedules.
- Application of internet in data searching.
- Art of field work, application of various techniques in data collection.
- PRA, RRA, social audit and its application.

- Descriptive Statistics: Measurement of Central Tendency, Dispersion, Regression and Correlation
- Measurement of Correlation: Karl Pearson's Correlation and Rank Correlation
- Statistical Inference: Point and interval estimates, Parametric and Non Parametric Test (Chi-Square, Test of Differences, Significance and Freedom)
- Analysis of Variance and Co-Variance: One way and two way classification.
- Data entry and data analysis using SPSS
- Interpretation of Results and Presentation of Data
- Language of Research
- Ethics in Social Science Research
- Application of Research Findings
- Report Writing and Presentation of Research findings

### Participants

The program 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 of India. A maximum of 30 participants including both local and out station candidates will be allowed to attend this research methodology course.

### Benefits to Participants

The training for the invited participants will be free of cost without any registration fee. Lodging and Boarding will be arranged by the Institute only for the participants for the course period. Travel will be reimbursed to outstation participants. A certificate of participation will be provided on successful completion of training.

### Important Deadlines

Last date for sending Nomination: 15th December, 2013.

Confirmation of participation: The acceptance will be communicated by 20th December, 2013.

Confirmation from the participants to attend the workshop: 30th December, 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 and 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

School of Management, National Institute of Technology, Rourkela-769008

### How to Reach Nit Rourkela

The Institute is very close to Howrah – Mumbai main line of South Eastern Railway and well connected by railway service network with the rest of India and also by inter and intra-state bus services. It is about 3 hour's journey from Ranchi and five hours from Raipur. Rourkela railway station is approximately 6 km's away from NIT Campus.

### How to Apply

Interested participants should submit their nomination on the prescribed form attached herewith endorsed by the Head of the Institution/ College/ Department/ Supervisor (scanned soft copy may be mailed) followed by hardcopy by post along with full CV. 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 for the purpose of registration at the earliest followed by hardcopy through post (details are provided at the bottom). It is desirable for participants to bring their own laptop. All correspondence shall be made to the:

### Program Coordinator

Dr. Chandan Kumar Sahoo

Associate Professor

School of Management

National Institute of Technology, Rourkela - 769 008

Contact Nos. (0661) 2462802 (O), 09438084429 (Mob)

Email: sahooc@nitrkl.ac.in, cks\_pd@nitrkl.ac.in

### Program Co-Coordinator

Dr. Nihar Ranjan Mishra

Assistant Professor

Department of Humanities & Social Sciences

National Institute of Technology, Rourkela - 769 008

Contact Nos. (0661) 2462695 (O), 9437462037(Mob)

Email: niharhcu@gmail.co



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**Course on Research Methodology in Social Sciences**  
**(3-12 Feb, 2014)**  
**REGISTRATION FORM**

Name: \_\_\_\_\_

Gender (M/F): \_\_\_ Category (SC/ST/OBC/General) \_\_\_

Marital Status: \_\_\_\_\_

Date of Birth: \_\_\_\_\_

Institute/University/College: \_\_\_\_\_

Educational Qualification: \_\_\_\_\_

Discipline: \_\_\_\_\_

Topic of Research: \_\_\_\_\_

Status of Research Work: (i) Preparing Synopsis (ii) Reviewing Literature (iii) Preparing Tool (iv) Collecting Data (v) Analyzing Data (iv) Writing Report (v) Thesis Submitted

Have you attended similar course earlier: Yes ( ) No ( )  
If yes, provide details: \_\_\_\_\_

Mailing Address: \_\_\_\_\_

Telephone No /Mobile No.: \_\_\_\_\_

E-mail: \_\_\_\_\_

Recommendation by Head of the Institution/College/Supervisor: \_\_\_\_\_

Accommodation Required: Yes ( ) No ( )

Signature of the Applicant