



2-Week Capacity Building Programme on Research Methodology for Young Faculty in Social Sciences

21 May 2015 - 3 June 2015

Sponsored by
Indian Council of Social Science Research
New Delhi

Organized by
Centre for Research, Innovation and Training
(CRIT)



THE IIS UNIVERSITY

deemed to be a university under section 3 of UGC Act., 1956
SFS, Gurukul Marg, Mansarovar, Jaipur-302020

Ph : 0141-2397906, 2400160, 2400161 • Fax : 0141-2395494 • Email : crit@iisuniv.ac.in • Web: www.iisuniv.ac.in

Introduction

Research is about creating new knowledge. It is a continuous process and requires gradual progression to achieve meaningful results for the benefit of society at large. Research Progression requires a logical and conceptual knowledge, which is found lacking in the today's academic environment. To meet this challenge it is necessary to train and equip the young faculty so that they can comply with the quality standards of research in their respective disciplines. This programme on capacity building in research aims to develop and promote research acumen amongst the young faculty in social sciences including commerce & management and to make them user friendly with the statistical softwares. The Programme has been designed to bridge the gap between theory and practical approach adopted by the young academicians in research progression.

Objectives

The capacity building Programme has been designed to achieve the following objectives:

1. To make the faculty participants familiar and friendly with the basic concepts of research methodology by brushing up their basic knowledge on research methodology.
2. To make the participants user friendly with the statistical software like SPSS and others.
3. To give hands on experience in research to the participants through the field/ practical work assigned to them.
4. To develop the applied research skills of the participants.

Highlights

1. Training on SPSS & other Econometric Software
2. Focus on Academic Writing
3. How to go for research publications
4. Supplementary course materials
5. Interaction with the Experts
6. Personalized doubt clearing

Total No. of Participants

1. Total 30 participants will be selected out of the applications received .
2. 20 seats are reserved for outstation candidates and 10 for local candidates.

Eligibility

1. Faculty members of any University/College/ Institute are eligible to apply for the Programme.
2. Target participants for the proposed course will be the young faculty members from social science, commerce & management faculty.
3. 50% seats are reserved for women candidates.
4. Preference would be given to SC, ST, OBC and Minority candidates.

Outcome

By the end of the programme, faculty participants would be expected to submit the following:

1. A Draft Research Paper in their area of interest.
2. Write up on the learning's from the programme and how the same would be implemented by the participants.



Panel of Resource Persons

1. **Prof. Vinay Kumar Srivastava**
Department of Anthropology
University of Delhi , Delhi
2. **Prof. Ravindra Vinayak**
Retd. Professor
M.D. University, Rohtak (Haryana)
3. **Dr. B.K. Saini**
Department of Commerce &
Business Management
Gurunanak Dev University, Amritsar (Punjab)
4. **Dr. Sanket Vij**
Prof. & Head, of Department of Commerce,
B.P.S. Women University ,
Khanpur kalan Sonipat (Haryana)
5. **Prof. Karori Singh**
(Observer for the course)
South Asia Study Centre
University of Rajasthan, Jaipur (Raj)
6. **Dr. Neeraj Kaushik**
Expert on SPSS
NIT, Kurkshetra (Haryana)
7. **Dr. Ajay Kumar Singh**
Department of Commerce
Faculty of Commerce and Business
Delhi School of Economics
University of Delhi, Delhi
8. **Prof. Amita Sharma**
Dept. of Statistics
University of Rajasthan, Jaipur (Raj)
9. **Dr. Narendra Kumar Garg**
Professor, Department of Commerce
Maharshi Dayanand University
Rohtak (Haryana)
10. **Dr. Girish Taneja**
Expert on Research Tools & Techniques
Jalandhar (Punjab)
11. **Dr. Nisha Yadav**
Professor,
Dept. of Sociology
The IIS University, Jaipur (Raj)
12. **Prof. G.C. Tikkiwal**
Dept. of Mathematics & Statistics
Jai Narayan Vyas University,
Jodhpur (Raj)
13. **Prof. P.C. Gupta**
Former Prof.
Dept. of Statistics, Sourashtra University
Surat (Gujrat)
14. **Prof. N.D. Mathur**
Dept. of EAFM
University of Rajasthan, Jaipur (Raj)
15. **Prof. Prabhat Pankaj**
Director
Jaipuria Institute of Management, Jaipur (Raj)
16. **Prof. Gurjeet Singh**
Professor & Head , Dept. of Law
Guru Nanak Dev University, Amritsar (Punjab)
17. **Prof. Som Deo**
Director-Administration & Planning,
ICSSR, New Delhi, Delhi
18. **Prof. M.L. Sharma**
South Asia Study Centre,
University of Rajasthan, Jaipur (Raj)
19. **Dr. Priyanka Upadhyaya**
Director
Malaviya Centre for Peace & Research,
Banaras Hindu University, Varanasi (UP)
20. **Prof. Sanjay Sehgal**
Department of Financial Studies
University of Delhi, South campus,
New Delhi, Delhi
21. **Dr. Gopal Singh**
Retd. Professor
Kota University, Kota (Raj)
22. **Prof. Lakhwinder Singh**
Head, Department of Management
Gurunanak Dev University, Amritsar (Punjab)



Dates & Venue

Date : 21 May 2015 to 3 June 2015

Venue : The IIS University, SFS, Gurukul Marg, Mansarovar, Jaipur-20

About the University

The IIS University is a deemed- to-be-a-university (placed in category A by MHRD, Government of India) under the section 3 of the UGC Act, 1956.

With over 4500 students and 215 staff members, the University offers UG, PG and Doctoral programmes in Arts, Science, Commerce, Home Science, Management and Computer Science & IT.

Established in 1995, as the International College for Girls, affiliated to the University of Rajasthan, the college has crossed significant milestones in its journey towards excellence in higher education. Besides receiving numerous other accolades, it has been accredited A+ by NAAC of UGC, recognized as a college with potential for Excellence (CPE) by the UGC and selected as a model college by the state government. In a national survey by AC-Nielson-ORGMARG in April -May 2010 for the India Today Magazine, ICG is rated as the top college in the state in Arts, Science and Commerce streams. Ranked among the top 30 institutions of the country in this survey, the college has become a symbol of quality education and women empowerment grooming the young girls into World Ready Women.



About CRIT

Centre for Research, Innovation and Training (CRIT) at the IIS University, Jaipur has been established with a vision to collaborate with the industry and other organizations to undertake cross-functional research and development while developing a symbolic setup leveraging competencies of both industry and academia for societal development. CRIT aims to provide an enabling environment for continuous development and growth of faculty and students for transforming them into real propositions through research, incubation and Industry-Institute-Interaction leading to development of futuristic and commercially viable technologies and businesses.

1. ICSSR Sponsored Ten Days Course on Research Methodology, 10-19 September, 2013
2. Seven Days National Workshop on Research Methodology & Statistical Analysis Using IBM SPSS, from 10-16 June, 2014.
3. Eight Days National Workshop on Research Methodology & Statistical Analysis Using IBM SPSS from 02-09 July, 2014.
4. Two Days National Workshop on Ethics in Scientific Writing and Plagiarism from 07-08 November, 2014.
5. Two Days National Workshop on "Research Plan & Proposal" in collaboration with IQAC from 13-14 February, 2015.
6. ICSSR Sponsored Two days National Seminar on Women Empowerment and Inclusive Growth, 13-14 March, 2015.

About Jaipur



Jaipur, the pink city of India is the starting point for visitors of Rajasthan. The capital of Rajasthan, Jaipur, casts an unusual spell on the travelers with its royal palaces, forts and monuments, revealing a historic past of chivalrous warriors, aristocratic royal ladies, art & craft, literature and science. Handicrafts like miniature paintings, textiles, blue pottery and jewelry make it a shopper's paradise as well.

Connectivity to The IIS UNIVERSITY, JAIPUR

- Jaipur Railway Station 12 KM
- Sanganer Airport 05 KM
- Gandhi Nagar Railway Station 06 KM
- Durgapura Railway Station 03 KM

Accommodation & Travel

Accommodation will be provided to outstation participants on twin sharing basis and travel allowance will be reimbursed by the shortest route (2nd class sleeper/actual bus fare) to the outstation participants subject to the production of

ticket as per ICSSR guidelines.

The complete Registration form should be sent on the address mentioned below:

Dr. Subhash Garg

Dean & Director

Centre for Research, Innovation and Training (CRIT),

The IIS University, SFS, Gurukul Marg, Mansarovar, Jaipur-302020

Email: crit@iisuniv.ac.in

Important Dates

- Date of Programme: 21 May-3 June, 2015
- Last date for submitting application form: 21 April, 2015
- Notification for selected Candidates: 25 April 2015 by Email/Phone.

Registration

There is no registration fee for the Programme. Interested candidates may send their registration form duly filled and forwarded by the Head/Principle/Registrar/Director of their College/University/Institute, to the course director on or before 21st April 2015. Registration form and brochure can be downloaded from the university website. The candidates may send scanned copies of registration form and other documents by Email to crit@iisuniv.ac.in, followed by hard.

The duly filled in registration form forwarded by Head of the University/College/Institute accompanied by the following documents:

1. A brief profile of the candidate along with academic achievements.
2. Write up of 200 – 300 words about the research aptitude including why they want to attend this programme and their expectations from the Programme.
3. Attested copy of Caste/Community certificate of ST/SC/OBC/Minority
4. No objection certificate or relieving letter from the employer.

Dr. Ashok Gupta
Vice Chancellor
The IIS University,
Jaipur

Advisory Committee

Dr. K.S. Sharma
Advisor
The IIS University, Jaipur

Dr. Raakhi Gupta
Rector & Registrar
The IIS University, Jaipur

Prof. N.K. Jain
Dean, Faculty of Arts &
Social Sciences
The IIS University, Jaipur

Prof. M.K. Sharma
Dean, Faculty of Commerce
& Management
The IIS University, Jaipur

Prof. Pradeep Bhatnagar
Dean, Faculty of Sciences
The IIS University, Jaipur

Organising Committee

Dr Subhash Garg
Course Director
Dean, CRIT,
The IIS University, Jaipur

Dr Roopam Kothari
Course Co-Director
Senior Assistant Professor
Dept. of Management-HRM & IB
The IIS University, Jaipur
8875003237

Course Coordinators

Dr Meenakshi Sharma
Senior Assistant Professor & Head
Dept. of Commerce-Financial Studies
The IIS University, Jaipur
9783307134

Dr Chandrani Sen
Senior Assistant Professor &
Add. Head
Dept. of Psychology
The IIS University, Jaipur
9783307065

Dr R.K Tailor
Senior Assistant Professor
Dept. of Commerce-
Accounting & Taxation
The IIS University, Jaipur
8875003217

Dr Arti Sharma
Assistant Professor & Add. Head
Dept. of Sociology
The IIS University, Jaipur
8875003270

Dr Bhawana Arya
Assistant Professor
Dept. of Psychology
The IIS University, Jaipur
9783307022

SCHEDULE

Day 1 (21 May, 2015)

- 9.30-11.00 Introductory Session
 11.30-1.00 Research Methodology: Conceptual Framework
 Idea of research;
 Basic tenets of qualitative research and quantitative research.
- 2.00-3.30 Research Design
 Selecting topics for research; factors affecting the problem selection
 Pure versus applied research; Literature review;
 Bibliography References
- 4.00-5.30 Research Design
 Units of analysis;
 Concept, variable(s), hypothesis(es) Formulation, paradigm;
 Stages of research;
 Types of research design with suitable examples

Day 2 (22 May, 2015)

- 9.30-11.00 Scales: Measurement of Scales
 11.30-1.00 Universe, Nature and Types of Sampling:
 Probability Sampling Simple Random Sampling
 Proportionate & Disproportionate and others
- 2.00-3.30 Non Probability Sampling:
 Accidental sampling,
 Quota sampling and others
- 4.00-5.30 Field Research
 Concept and history of fieldwork;
 Stages of fieldwork – selecting a research setting, gaining access, presenting oneself, becoming invisible, gathering information;
 Field notes – types, coding and analysis; Ethnography.

Day 3 (23 May, 2015)

- 9.30-11.30 Data Collection
 Data and data sources: secondary data sources, limitations of secondary data; Need for primary data, collection of primary data
- Observation
 Concept of observation, its advantages & disadvantages;
 Types of observation; field observation – participant and non-participant observation; collection of genealogies; structured and unstructured observation;
- 11.30-1.00 Interview
 Concept and types of interview – informal, unstructured, semi-structured and structured; intensive interviewing; telephone interview; interviewing children;
 The interviewer – tasks, selection, and training; Advantages and limitations of interviewing; response effects and the question of accuracy.
- Concept of Case Study
 Case Study Method Types of Case Study
- 2.00 – 3.30 Data Collection
 Survey Method
 Concept of survey;
 Construction of questionnaire & Schedule; wording of questions; open and closed response categories; response category format, Mailed questionnaire; factors affecting mail surveys;
- 4:00-5.30 Sample Distributions
 Elementary probability theory and probability distributions and their usage,
 Large and small sample Tests based on Normal, Students' t and Snedgar's F distributions,
 χ^2 test of goodness of fit and contingency tables test-statistic tables and its uses.

Day 4 (24 May, 2015)

- 9.30-11.00 Qualitative research methods I
 Quantification in qualitative research.
 Gender considerations.
 Study of some samples of qualitative research.
 The issue of reactivity.
- 11.30-1.00 Qualitative research methods II
 Writing up qualitative research.
 Theoretical perspectives and ethnographic research
- 2.00-3.30 Qualitative research methods III
 Grounding theory: the historical context; later development of grounded theory; thick description; limitations and criticisms of grounded theory.
- 4.00-5.30 Qualitative research methods IV
 Phenomenology Philosophical Research
 Critical Social Research

Day 5 (25 May, 2015) (Quantitative Research)

- 9.30-11.00 Descriptive Statistics
 Basic Statistics: importance of statistical inquiries and their limitations;
 Collection and tabulation of statistical data --- graphical presentation, frequency distribution
 Measures of central tendency, measures of dispersion.
- 11.30-1.00 Analysis Data - I
 Hypothesis Testing Parametric & Non Parametric Tests
- 2.00-3.30 Analysis of Data – II
 Correlation Regression
- 4.00-5.30 Analysis of Data – III
 Autocorrelation, heteroscedasticity, multicollinearity--diagnosis, corrections.

Day 6 (26 May, 2015)

- 9.30-11.00 Analysis of Data – IV
 Dummy Variable Regression Analysis
 Bi-variate and multivariate regression models
- 11.30-1.00 Analysis of Data – V
 Limited dependent variable models: LPM, logit model & its applications
- 2.00-3.30 Analysis of Data – VI
 Limited dependent variable models: Probit model and its applications.
 Practice Session on SPSS

Day 7 (27 May, 2015)

- 9.30-11.00 Analysis of Data – VII
 Panel Data Analysis: pooled regression
- 11.30-1.00 Analysis of Data – VIII
 Panel Data Analysis: random effect and fixed effect models and their applications.
- 2.00-3.30 Time Series Analysis:
 Introduction to Time Series Analysis
 Concept of Stationarity, Test of Stationarity
- 4.00-5.30 Time Series Analysis:
 Log Model Forecasting Accuracy of Forecasts

Day 8 (28 May, 2015)

- 9.30-11.00 Structural Equation Modeling-I
 11.30-1.00 Structural Equation Modeling -II
 2.00-3.30 Structural Equation Modeling -III
 4.00-5.30 Structural Equation Modeling -IV

Day 9 (29 May, 2015)

- 9.30-11.00 Ethics and Politics of Research
 Ethics and the researcher, ethics and the scientific community, ethics and the sponsors of research; ethical issues involving human subjects – harm, deception, informed consent, special populations and new inequalities;
 Privacy, anonymity, and confidentiality, making ethical decisions.
 The politics of research: limits on research, dissemination of research findings; The uses of research: science and society.
- 11.30-1.00 Academic Writing
 Meaning and types of academic writing
 Challenges in Academic Writing
 Papers for Journals Preparation of Reports
 Writing Books (Difference from PhD thesis)
- 2.00-3.30 Practice Session on SPSS
 4.00-5.30 Practice Session on SPSS

Day 10 (30 May, 2015)

- 9.30-11.00 Ethics in Academic Writing
 Meaning and Seriousness of Plagiarism
 Different Types of Plagiarism
 How to Prevent Plagiarism
 Importance of adhering to rules for Referencing/Citation
- 11.30-1.00 Ethics in Academic Writing
 Softwares for detection of plagiarism
 Practice on Turnitin
- 2.00-3.30 Structure
 Structure of Paper, Report and Book
 Differences in structure of each kind of writing
- 4.00-5.30 Elements of writing
 Introduction, Literature Review, Methods
 Organising and Presenting an Argument
 Discussion, Conclusions, Abstract (for papers)
 Differences between papers, reports and books in above
 Quantitative: Data presentation, analyses and discussion
 Analysis of Data and results, discussion and conclusion.

Day 11 (31 May, 2015)

- 9.30-11.00 Research Proposal
 Writing a research proposal (difference from papers / books / reports)
 Research Proposal: Main elements
 Identifying and Presentation of Issue(s)/Topic/Problem(s) to be studied.
- 11.30-1.00 Publication Process
 Journals – submission, review, revision
 Books – manuscript presentation, review, editing,
 Dealing with Rejection
 Importance of Revision (Review Reports, Response sheets)
 Papers/Books: Criteria for selection
 Process: Acceptance to Publication (revision, editing, proofing, printing)
- 2.00-3.30 Research Quiz
 4.00-5.30 Practice Session with SPSS
 Practice Session with SPSS

Day 12 (01 June, 2015)

- 9.30-11.00 Paper Clinic
 11.30-1.00 Paper Clinic
 2.00-3.30 Paper Clinic
 4.00-5.30 Paper Clinic

Day 13 (02 June, 2015)

- 9.30-11.00 Paper Clinic
 11.30-1.00 Paper Clinic
 2.00-3.30 Paper Clinic
 4.00-5.30 Paper Clinic

Day 14 (03 June, 2015)

- 9.30-11.00 Evaluation by the Panel of Experts: Submission of Draft Research Paper
 11.30-1.00 Evaluation by the Panel of Experts: Submission of Draft Research Paper
 2.00-3.30 Evaluation by the Panel of Experts: Submission of Draft Research Paper
 4.00-5.30 Feed Back & Valediction