

AICTE Sponsored Short Term Course

on

Research Methods & Data Analysis (RMDA) For Social Sciences and Management Research (RMDA-2015)



Course Dates: 16-30 September 2015

Coordinator

Dr. Pulak Mishra

Dr. Rabindra Kumar Pradhan

Dr. Bhagirath Behera

Important Dates:

Last date for receiving application:

31 August 2015

Intimation to Participants: 5 September 2015

*“Selection will be done on first-cum first basis
for eligible candidates”*

Objectives

The objective of this short term course on “Research Methods and Data Analysis for Social Sciences and Management Research” is to instill confidence in the usage of statistics and interpretation of research data and also to educate the participants about the latest techniques and method used for effective analysis of research data. This program emphasizes at hands on experience to SPSS, AMOS, SAS, STATA, Excel Stat and other contemporary software to facilitate researchers in handling multiple sets of data by using different statistical methods (bi-variate and multivariate statistics). It also aims to develop their deep insight into the complex quantitative data analysis through practical experience by using “learning by doing” method. The programme aims at imparting both theoretical knowledge and practical applications of various statistical techniques with the help of latest statistical software.

Eligibility to participate

- Master’s degree in social or allied sciences.
- Teachers should from AICTE approved institutions/ colleges University
- Self-finance candidate should be a graduate
- Participants should carry a laptop for learning the use of statistical software

Course Contents

- Philosophy of social research: positivist, anti-positivist, mixed, and action research, design and scope of social research: survey and experimental. Review of literature: qualitative and quantitative. Hypothesis formulation & Testing. Sampling Techniques, Methods of Data collection, Scaling Techniques, Scale development.
- Data Analysis: Primary and Secondary
- Descriptive statistics, Bivariate and multivariate correlation and regression.
- Linear probability model, logit, probit, tobit
- Discriminant analysis, cluster analysis, factor analysis
- Linear programming, input-output analysis, data envelopment analysis
- Structural equation modelling
- Panel data analysis
- Non-linear modelling
- Nonparametric statistics
- Report writing: review, qualitative, empirical article, and sponsored research report
- **Application of software:** Data files, data editor, data transformation, files handling, demonstration and practice of statistical techniques

Faculty: Faculty from I.I.T. Kharagpur and some experts from other reputed institutes and industries will deliver lectures in this programme.

Pedagogy: Lecture through audio-visual presentation, simulation, GD, hands on experience.

Accommodation: Paid accommodations are available on prior request/payment basis for sponsored candidates (Rs. 250 to Rs.1200per Night)

Certificate: Each of the participants will receive a certificate from the Dean, Continuing Education,

Course Fee: No Course fees for AICTE faculty

For Sponsored Candidates

Academic Faculty: Rs. 7,500, Student: Rs. 7000,

Industry Participants: Rs. 15,000/-

Foreign Participants: Rs.30, 000/-

Participants are required to prepare a Demand Draft of the course fees in favour of **CEP-STC, IIT Kharagpur**, payable at Kharagpur from a nationalized bank. Participants' can directly deposit to IIT Kharagpur Account.

Account Name: CEP-STC, IIT Kharagpur

Account Number: 95562200002955

Bank Name: SYNDICATE BANK

Bank Branch Name: SRIC, IIT KHARAGPUR

(Branch Code: 9556)

IFSC Code: SYNB0009556 (used for RTGS and

NEFT Transactions), Swift Code: SYN BIN BB 120

Course fees include tool kit and other course materials. Accommodation and food will be charged separately for sponsored candidates

No of Participants: 30 (AICTE Sponsored)

Qualification: Graduation /Post Graduation

How to Apply: Interested participants should download and submit the completed application form in a prescribed format given below, which is available online or a hard copy to the coordinator at coordinator's mailing address.

Mailing Address

Applicant can send their application to any one of the following coordinators at the given address.

Dr. Pulak Mishra /Dr. Rabindra Kumar Pradhan/

Dr. Bhagirath Behera

Coordinator of RMDA-2015

Dept of Humanities and Social Sciences,

Indian Institute of Technology Kharagpur-

721302, West Bengal, India

Mob: 9434703900/9434702587/9933077258

Fax: 03222-255303/282280

Emails:

rkpradhan@hss.iitkgp.ernet.in

pmishra@hss.ernet.in

bhagirath@hss.ernet.in

Location

IIT Kharagpur is well-connected by rail and roads. KGP railway station is 5km away from IIT Kharagpur. Taxies, Auto-rickshaws are easily available day and night from Rail station to IITKGP. The nearest airport is NSCB International Airport, Kolkata. This is approximately 150kms away from IIT Kharagpur and takes around 2hrs and 30 minutes on road.

Application Form

Research Methods and Data Analysis for Social Sciences and Management Research

(16-30 September2015)

Indian Institute of Technology Kharagpur

Name: _____

Designation: _____

Gender: _____

Name of the Institution / Organization: _____

Address for Communication: _____

Qualification: _____ Phone

No: _____(O) _____(R)

Mobile No: _____

Fax No: _____

Email: _____

Details about the Demand Draft: _____

Draft number & Date, Amount (In Rupees): _____

Date: **Signature of the Applicant**

Approval for Candidates/Sponsorship

We approve the above applicant as a candidate/sponsor the above applicant for the STC on **Research Methods and Data Analysis for Social Sciences and Management Research** to be held during 16-30 September 2015 at IIT Kharagpur.

Date: **Signature and seal of the Approving / Sponsoring Authority**