



WORKSHOP ON 'APPLICATION OF STATISTICAL TECHNIQUES IN ENVIRONMENTAL SCIENCE'



The North-East Centre of the Indian Statistical Institute (ISI) and the Department of Environmental Science, Tezpur University, are jointly organising a 2-week long workshop on '**APPLICATION OF STATISTICAL TECHNIQUES IN ENVIRONMENTAL SCIENCE**', for **research fellows, young researchers, post-doctoral fellows, and final year Master-level students exclusively of the North-Eastern States**. The workshop would be held at the N-E Centre of ISI during **March 15-27, 2017**

Scope

The participants of this workshop will be provided with basic understanding of statistical concepts and their use in the domain of research on different environmental issues including environmental conservation and prediction of various environmental phenomena. The main features of the workshop are listed below:

- Basics of Probability Theory as well as procedures of data collection/generation through Sample Survey and Design of Experiments, and standard statistical tools of data analysis including Correlation, Regression, Testing of Hypothesis, Analysis of Variance (ANOVA) etc.
- Some useful statistical methodologies, especially those appropriate for Environmental Science, like Contingency Table, Principal Component Analysis, Cluster Analysis, Re-sampling Methods, Time Series Analysis, and Simulation for Ecological Modelling;
- An introduction to the statistical computing language R and/or SPSS;
- Hands-on exercises using R and/or SPSS on all the statistical tools covered in this workshop

Eligibility

Applicants must be research fellows working for Ph.D. degree or young faculty members of Colleges/ Universities/Institutes, or post-doctoral fellows. Final year Master-level students of Environmental Science may also apply.

How to apply

Applications are to be made with all relevant documents (ID proof and transcripts of academic records from college-level, and documents on the present status) along with a short write-up (*not more than 200 words*) on a current research problem on environmental science indicating, *inter alia*, where, in the works, statistical techniques are to be used. Final year Master-level students must also submit a write-up on a project they are currently doing or would be doing in the final year.

Applications are to be sent by post or by e-mail to:

Professor Nityananda Sarkar

Chairman, Committee for ISI N-E Centre

Indian Statistical Institute

North-East Centre

Tezpur University Campus

Tezpur, Assam-784028

E-mail addresses: head.nec@isine.ac.in, tanya@isical.ac.in

Selection Procedure

The selection will be based on academic records and the merit of the submitted write-up. The list of selected candidates will be displayed on the website of ISI N-E Centre and Tezpur University.

Free board and lodging would be provided to the selected candidates

Last date for receiving applications is 17 February, 2017.