



Report of National Workshop cum Training Programme on Statistical Tools for Research Data Analysis

For the first time in the history of Bidhan Chandra Krishi Viswavidyalaya, a “National Workshop cum Training Programme on Statistical Tools for Research Data Analysis” was organized by the Society for Application of Statistics in Agriculture and Allied Science (SASAA) in collaboration with Department of Agricultural Statistics at the department during 16 -22 March 2015. The main objective of the programme was to discuss and train the Teachers, Research Scientists and Practitioners in Agriculture and Allied fields, Biological sciences, Medical sciences, Social sciences and other fields for effective use of statistical tools in extracting and explaining the information emanated from structured, non structured and survey data etc. All together 36 participants of National and State level university, colleges, institutes from different states like Maharashtra, Gujarat, Orissa, Nagaland, Tamil Nadu, West Bengal took part in the workshop. Eminent experts in the field of statistics from institutes of national repute like Indian Statistical Institute (ISI), Indian Institute of Science Education Research (IISER) Kolkata, Indian Institute of Engineering Science and Technology (IIST)-previously known as BESU, Sibpur, Calcutta University, University of Kalyani, ICAR institutes and also from Bidhan Chandra Krishi Viswavidyalaya were the resources persons for the programme. Experts like, Padmashree Prof. B. Roy, Director, ISI; Prof. S. P. Mukherjee, Centenary Professor, Calcutta University; Prof Arijit Choudhury, Prof. A. N. Basu, Prof. G. M. Saha from ISI Kolkata; Prof. A. K. Nanda, Former Dean of IISER, Kolkata; Prof. B. S. Mazumdar from IIST, Sibpur; Prof. N. K. Mondal from Calcutta University; Prof. P. Das, Kalyani University; Dr. K. K. Goswami, ICAR-CIFRI; among other trained the participants.

The workshop cum training programme was inaugurated by Prof. C. Kole, Honorable Vice-Chancellor of Bidhan Chandra Krishi Viswavidyalaya. In his inaugural speech he appreciated the initiative taken by the Society and the Department of Agricultural Statistics. Prof B K Sinha, Former Professor of ISI, Kolkata and the former advisor to the Prime Minister of India was the Key Note Speaker. While delivering the Key Note Speech on " Data Integration", Prof Sinha opined that the programme taken by the society was a much needed one. In the inaugural programme the organisers felicitated Prof. C Kole, Honourable vice Chancellor, BCKV; Prof B K Sinha; Prof P K Chakraborty, the Dean Faculty of Agriculture, BCKV; Prof D Mazumder, the Director of Research BCKV. On this occasion a Training Manual was also released, which has been enriched and published in March'15 as a book with ISBN 978-81-931094-8-9 from Akinik Publication, Delhi.

Week long programme was designed to deliver talk on identified statistical tools for research data analysis in various fields by the above mentioned experts along with the experts from the Department of Agricultural Statistics, followed by **Hands on Training** on same Topics with real life examples. Each trainee was provided with personal computer to practice on it. Starting from Types of data their scrutiny, processing, presentation etc host of statistical topics like Sampling Techniques, Correlation and Regression analysis, Statistical Inference, Designing and Analysis of Field and Laboratory experiments, Time Series Analysis, Reliability Analysis, Multivariate Analysis, Statistical and Mathematical modeling, Biometrics and other related topics were discussed. Participants were encouraged to discuss various problems they face in their respective fields and experts suggested the possible solution to these problems in extracting and explaining the information.

At the end of the training the participants were sought for their feedback about the programme on particular aspects as well as about the programme as a whole. The feedback was very much encouraging to the organisers with a few constructive suggestions. Many participants have requested for use and free demonstration of more statistical softwares, increase in duration of the programme, A/C laboratory room and also inclusion of some more topics in the programme. The participant expressed their overwhelming satisfaction about the overall arrangements and hospitality provided to them during the programme.

The programme ended with the valedictory session chaired by Prof P K Chakraborty, the Dean, faculty of Agriculture, BCKV and Prof M M Adhikary, former Dean and Vice Chancellor as Chief Guest. Prof A Majumder welcome all, who were present in the valedictory session. A brief report of the overall programme including the feedback report from the participants was presented by Dr P K Sahu, Head, Department of Agricultural Statistics, BCKV. He thanked all the persons, Universities and colleges, participants, sponsors, University authority, Teachers, Research Scholars and non-teaching staff of the Department of Agricultural Statistics for their unconditional whole hearted support towards successful organisation of the programme. Participants shared their experiences. The guests and the dignitaries applauded the noble initiative taken by the organisers and expected to have more programme like this one. Participation certificates were distributed among the participants and also among the resource persons by the dignitaries present. Dr Mrs. B Bhattacharyya delivered the vote of thanks and the programme ended with thanks to the chair and all the associated persons and establishments.

P K Sahu

**Head, Department of Agricultural Statistics and
Secretary, SASAA.**