

has been putting in a lot of effort in popularising Statistics as a subject. Recipient of Jan Tinbergen Award for the Young Statisticians from developing countries-2009 instituted by International Statistical Association, Netherland, Indo-US Research Fellowship-2013 instituted jointly by Science and Engineering Research Board, DST, Govt. of India and Indo-US Science & Technology Forum, Mathematical Research Impact Centric Support (MATRICS):2018-2021, Science and Engineering Research Board, DST, Govt. of India.

About the College

When you educate a man, you educate an individual;

when you educate a woman, you educate the whole family

This was the motivation for the establishment of Bishop Chulaparambil Memorial College, Kottayam in 1955, one of the premier colleges in Kerala. The college was founded by His Excellency Mar Thomas Tharayil, the then Bishop of Kottayam who is an eminent educationalist from Kerala and a pioneer of womens education in the Christian Community of Central Travancore. Since its inception, the college has contributed much to the socio-economic development of the state and to the empowerment of women specifically. The College, situated at the heart of the Kottayam town, has 19 departments offering 17 undergraduate courses and six post graduate courses.

The College is accredited with A Grade by National Assessment Accreditation Council (NAAC) and affiliated to Mahatma Gandhi University, Kottayam. The college has secured various awards as recognition to academic, co-curricular and extension activities.

About Indian Statistical Institute

Indian Statistical Institute (ISI) is an institution devoted to the research, teaching and application of statistics, natural sciences and social sciences. Founded by Professor P.C. Mahalanobis, popularly known as Father of Indian Statistics, in Kolkata on 17th December, 1931, the institute gained the status of an Institution of National Importance by an act of the Indian Parliament in 1959. The Headquarters of ISI is located in the northern fringe of the metropolis of Kolkata. Additionally, there are four centres located in Delhi, Bangalore, Chennai and Tezpur. Research in Statistics and related disciplines is the primary activity of the Institute. ISI is completely funded by Ministry of Statistics and Programme Implementation, Government of India.

The Chennai Centre is actively involved in research in areas of Statistics, Game Theory, Graph Theory, Logic, Cryptography, Physics and Mathematics. The Chennai Centre offers a Masters program in Statistics, and Doctoral programs in Statistics, Computer Science, Mathematics and Statistical Quality Control.

ORGANIZING COMMITTEE

Fr. Alex Akkaparambil	(Manager of the College)
Prof. Josephina Simon	(Principal)
Dr. Stephy Thomas	(Convener)
Dr. Annu Thomas,	(Vice-Principal)
Prof. Sosamma Mathew	
Dr. Peter K Mani	
Prof. Priya Thomas	
Prof. Jipin V Jimmy	
Dr. Elizabeth V John	
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BISHOP CHULAPARAMBIL MEMORIAL COLLEGE KOTTAYAM

(AFFILIATED TO MAHATMA GANDHI UNIVERSITY, KOTTAYAM)



NATIONAL LEVEL WORKSHOP ON Statistical Design for Experiments for Basic Science Research

December 6-8  BCM College, Kottayam

organized by
IQAC, Bishop Chulaparambil Memorial College
Kottayam

in association with
Indian Statistical Institute, Chennai Centre

supported by
College Development Council,
Mahatma Gandhi University, Kottayam

Dear Sir/Madam,

We are much delighted to inform you that the Internal Quality Assurance Cell (IQAC), Bishop Chulaparambil Memorial College, Kottayam is organizing a three day National Level workshop on Statistical Design for Experiments for Basic Science Research between 6th December 2018 and 8th December 2018 at the college. The workshop is being organized in collaboration with the expertise of Indian Statistical Institute, Chennai Centre and the support from College Development Council, Mahatma Gandhi University, Kottayam.

The workshop is intended for research scholars and teachers with or without statistical background. The workshop is aimed at providing thorough introduction to the use and importance of the concepts of Statistical Design of Experiments for Physical, Chemical and Biological researchers, Kindly depute delegates from your institution and confirm their participation by sending an e-mail to the conveners address.

Prof. Josephina Simon
Principal

Dr. Stephy Thomas
IQAC Cordinator

About the Workshop

Application of statistical methods for analysis of data is an integral part of research undertaken in any subject. The last few decades has seen a widespread use of Statistical Tools in other disciplines. A major part of the basic research happening all over the world involves experiments that are statistically designed to meet the objectives of the experiments effectively.

Moreover, these tools helps to optimize the output of experiment even without actually performing every possible combination of experiments. However, it has been observed that proper application of experiment designing concepts and methods is not been adopted by researchers from the subcontinent This leads to improperly designed experiments that are unable to collect data to correctly address the objective and there by restricting proper analysis of the data. This workshop aims at providing a platform for researchers in the area of Basic Sciences with necessary knowledge Statistical Design of Experiments and its implementation in research.

A practical knowledge in different Statistical Tools and Software has become a necessity in the current research and decision making process. There are many software/tools available for performing analysis of data. R occupies a predominant place among these both in theoretical and applied research. R is equipped with packages which helps the researchers to use most innovative and improved statistical methods which are not available in other popular software. In a short span, R has become a valid alternative to the commercial software with fool proof results. We propose to introduce R software with focus on Design of Experiments through this workshop.

Course Objectives

This workshop aims at

- Creating an awareness about the use and the need of Statistical design of experiments.
- Discussion on various Statistical tools for designing experiments.
- Giving an introduction to programming using R language
- Providing hands-on experience on some common packages available for statistical analysis in R
- Helping researchers to design their experiments statistically.
- To address contemporary challenges faced by researchers in applying Statistical methods in their work.
- Providing a platform for interaction between researchers in various areas

Methodology:

Highly interactive sessions including practical examples and exercises. All the participants are requested to bring laptops during the workshop days. The selection of participants will be based on first come first serve basis

Certificate of Participation: All participants who complete the program successfully shall be awarded with Participation Certificate.

Registration Fee: Rs. 750/- for each participants. This includes lunch, refreshments and workshop kit.

Key Resource Persons

Dr. D. Sampangi Raman: Centre Head, Indian Statistical Institute, Chennai. A regular resource person of all the six sigma programmes conducted by various centres of ISI and the six sigma programmes of CII and other industrial houses. A person who deals much with the implementation of design of experiments tools and an expert in leading classes to non-statistics fraternity.

Dr. Sudheesh Kumar Kattumannil: Assistant Professor, Indian Statistical Institute, Chennai Centre. Hailing from Kuttiyadi, Kerala, he