# School of Mathematics & Statistics and School of Data Analytics

### Mahatma Gandhi University, Kottayam



### **ABOUT THE SCHOOLS**

School of Mathematics and Statistics and School of Data Analytics were established in 2020. In this new era of increasing thrust on Mathematical Modeling and Statistical Data Analytics and Data Science, there is wide scope and potential for offering postgraduate and research level interdisciplinary programs in these disciplines. Mathematics and Statistics are fundamental disciplines of knowledge and constitutes most important tools for all programs of study and research as well as science &technology, social sciences, health and welfare, industry, business and management. At present the schools are led by Prof. Dr. K. K. Jose as Hon.Director and a team of dedicated faculty members.

During 2021-22 we have started three programmes of study namely(i) M.Sc. Mathematics (ii) M.Sc. Statistics (iii) M.Sc. Data Science and Analytics. One full semester Project Work and Internship are part of each program. The curriculum and syllabus for these programs are developed by eminent scholars and industry. experts with a view to provide teaching, research and training in emerging areas for meeting the demand from academia and industry.

In addition to the program of study, various workshops, seminars, conferences, lecture series etc by experts will be offered to encourage research and skill development to meet the emerging challenges.

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### **CLASSES STARTED**

Classes inaugurated online by Vice Chancellor Prof. Dr. Sabu Thomas at 9.30 am on 18th November 2021 followed by online induction classes by Prof. Dr. K. K. Jose. Newsletter 2021-22



### INTERNATIONAL CONFERENCE ON MATHEMATICS, STATISTICS AND DATA SCIENCE (ICMSDS-2022)

As part of the National Science Day celebrations 2022, an online International Conference ICMSDS 2022 was organized by the School of Mathematics & Statistics and the School of Data Analytics of M.G. University Kottayam during 26-27 February 2022. The Conference was inaugurated by Prof. Dr. V. K. Ramachandran, Vice Chairman, Kerala State Planning Board, Thiruvananthapuram in a meeting presided by the Vice Chancellor Prof. Dr. Sabu Thomas. Prof. Ramachandran pointed out the importance of Mathematics and Statistics in the academic and research spheres as well as development planning at national and international levels. Now these disciplines along with Computer Science have become pillars of newly emerging disciplines like Data Science, Data Analytics, Artificial Intelligence, Machine Learning etc. The vice chancellor also emphasized that research and development activities in all disciplines have become more empirical and evidence based and the present era is a data driven era.

The Keynote address on Quantum Computing and Cryptography was delivered by Prof. Dr. C.E. Veni Madhavan, presently Research Professor at C.R.Rao Advanced Institute for

Mathematics, Statistics and Computer Science Hyderabad and former Professor and Head of the Dept. of Computer Science at I.I.Sc. Bangalore. Prof. Kalyan Chakraborthy, Director, Kerala School of Mathematics, Kunnamangalam, Kozhikode and Prof. **Ambat** Vijayakumar, **Emeritus** Professor, CUSAT, Kochi felicitated the followed gathering.It was bν technical sessions with 16 invited included speakers who eminent international experts from U.S.A., China, Argentina, Malaysia, Philippines, Thailand and national level experts. The international speakers were Prof. Xiao-Jun Yang Wajaree (China), Prof. Weera (Thailand), Prof. Juan Eduardo Napoles Valdes ( Argentina), Prof. Yun Kang Prof. (USA), Jayrold Aecede (Philippines).



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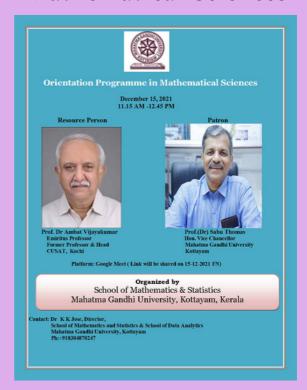
The Chief guest for the Valedictory session was the Pro Vice Chancellor Prof. Dr. C.T. Aravindakumar. Prof. Dr. Bindu V.R., Professor of Computer Science and Dean, Faculty of Sciences gave the valedictory message.

The Organizing Committee was chaired by Prof. Dr. K.K.Jose , Hon. Director SMS & SDA. Prof. Abraham K. Samuel was Vice Chairman and Sayooj Aby Jose IMU Breakour Fellow was the Organizing Secretary. Dr. Vivek S., Dr.Ajitha Sasi and Dr. Satheesh S. served as Conveners. The Program Committee consisting of Ms. Aswathy N. Rajan and Ms. Lakshmi Rajeev and the student volunteers under the leadership of Naveen S, Olickal, Abhirami Sabu and Aparna P.R. coordinated the program excellently. Dr. Vivek S. was the Souvenir Editor. The conference was attended by over 300 delegates at national level along with a number of foreign participants.

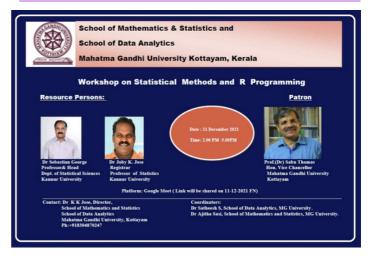
## Workshop on Statistical Data Analysis using R

A Workshop on Statistical Data Analysis using R was conducted by the schools on 12-12-2021. The resource persons were Dr. Sebastian George and Dr. Joby K. Jose, Department of Statistical Studies, Kannur University. The programme was inaugurated by the Vice-chancellor Prof. Dr. Sabu Thomas.

### Orientation Programme in Mathematical Sciences



An online orientation Programme in Mathematical Sciences was conducted on 15-12-2021 for the students of the School of Mathematics and Statistics. The resource person was Prof. Dr. A. Vijayakumar, Emeritus Professor, CUSAT, Kochi.



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#### **National Mathematics Day Celebrations 2021**



National Mathematics Day Celebrations 2021 was organized in collaboration with Alphonsa College Palai during December 2021. Vice Chancellor Prof. Dr. Sabu Thomas inaugurated the program in a function held at Alphonsa College Palai. Dr. K. K. Jose, Director of the School of Mathematics and Statistics presided. Mr. Sayooj Aby Jose, first IMU Breakout Fellow from India delivered a Keynote address on Srinivasa Ramanujan's Contributions and Research Opportunities in Mathematical Sciences. On 22nd December two invited talks were delivered by Mr. Sayooj Aby Jose and Dr. K. K. Jose on **Emerging** Developments in Mathematics and Statistics

#### Dr. K. K. Jose is awarded ISPS Fellowship

In recognition of his significant contributions in the field of Probability and Statistics at national and international levels, the Indian Society for Probability and Statistics (ISPS) has honored Dr. K. K. Jose, Director School of Mathematics & Statistics and School of Data Analytics by awarding the Fellowship of ISPS in 2022 in its Annual Conference held at Osmania University, Hyderabad during 10-13 March 2022. Earlier in 2020, the Indian Society for Medical Statistics (ISMS) has awarded him the ISMS Fellowship. He is already an Elected Fellow of International Statistical Institute, Netherlands and the Royal Statistical Society U.K. He had published over 150 research papers, authored 6 books and successfully guided over 25 research scholars leading to Ph.D. in Statistics. He was General Secretary and President of Kerala Statistical Association and Chairman of Kerala Statistical Institute Thiruvananthapuram. He had participated as invited speaker in over 100 international Conferences and Seminars held in India and abroad. He was a member of Science and Engineering Research Committee of KSCSTE and Technical Advisory Committee of the State Department of Economics and Statistics, Govt. of Kerala.

#### **Published by:**

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