

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.



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 Chakraborty, Director, Kerala School of Mathematics, Kunnammangalam, Kozhikode and Prof. Ambat Vijayakumar, Emeritus Professor, CUSAT, Kochi felicitated the gathering. It was followed by 8 technical sessions with 16 invited speakers who included eminent international experts from U.S.A., China, Argentina, Malaysia, Philippines, Thailand and national level experts. The international speakers were Prof. Xiao-Jun Yang (China), Prof. Wajaree Weera (Thailand), Prof. Juan Eduardo Napoles Valdes (Argentina), Prof. Yun Kang (USA), Prof. Jayrold Acedo (Philippines).

MAHATMA GANDHI UNIVERSITY, KOTTAYAM, INDIA
School of Mathematics and Statistics &
School of Data Analytics

International Conference on Mathematics, Statistics and Data Science (ICMSDS-2022)
| 26-27 February 2022 |

About the Conference
Welcome to ICMSDS-2022!
We warmly welcome you to participate and contribute to the International Conference on Mathematics, Statistics, and Data Science (ICMSDS-2022), which will be held during 26-27 February 2022 at Mahatma Gandhi University, Kottayam, Kerala, India, organized by the newly established School of Mathematics and Statistics & School of Data Analytics.
Mathematics and Statistics along with Computer Science form the pillars of the emerging areas of Data Science and Data Analytics. In this new data driven world, the importance of interdisciplinary studies and research in Mathematics and Statistics has increased more than ever and big data challenges have made it necessary to develop more advanced models and techniques. Academia and Industry has to come together to address these issues. India had a strong tradition of great scholars in Mathematics and Statistics and we have made a mark in the field of Computer Science at global level.
The goal of ICMSDS-2022 is to bring together outstanding scholars, practitioners and students across the world who are interested in further improvement of the state of the art research in Mathematics, Statistics, and Data Science for the purpose of exchanging information across a wide variety of disciplines and communities. Researchers and practitioners are expected to provide new perspectives for cross-disciplinary collaboration and acquire inspiration to help foster creative discoveries. The conference's themes are therefore "Recent Trends in Mathematical and Statistical Sciences and Data Science."
Due to the current pandemic situation, conference will take place in online mode. We solicit your wholehearted support and active involvement for the success of ICMSDS - 2022.

About the University
Mahatma Gandhi University, Kottayam established on 2nd October 1963 is one of the major Universities in Kerala, that serves to fulfill the higher educational needs of the people of Central Kerala. The University was accredited "A" by NAAC with a score of 3.24 points in 2017, and was ranked 30th in National Institution Ranking Framework (NIRF) and included among the top 25 educational institutions in the Asia Ranking of Institutions on Innovation Achievements (ARIA) - 2020, conducted by the Ministry of HRD. The Council of Scientific & Industrial Research (CSIR) ranked the University 13th in India in terms of intellectual productivity and National Institute of Science, Technology and Development Studies (NISTADS) rated 19th in terms of h-index of the science faculty. Department of Science and Technology (DST) also ranked the University 8th among the 29 Universities under the Promotion of University Research and Scientific Excellence (PURSE) programme. Recently, Times Higher Education ranked MGR 141 among the world's emerging universities and 11th in India Today-MEERA Ranking 2018.
The University has won the Chancellors Award for the Best University in Kerala for 3 times in 2020-21, 2017-18 and 2015-16. The present Vice Chancellor Prof. Dr. Sabu Thomas, is a world renowned top ranking scientist and researcher in Nano Science and Technology and Polymer Sciences in the area of Chemical Sciences. There are many other distinguished scholars among our faculty.
For more details visit www.mgu.ac.in

About the Schools
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For more details - [Click Here](#)

Important Dates
Last date of Registration: 22 February 2022
Dates of Conference: 26-27 February 2022

School of Mathematics, Statistics and Data Analytics, Mahatma Gandhi University, Pottayankal Hills, Kottayam, Kerala, India - 686008

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 Dr. 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



Orientation Programme in Mathematical Sciences
 December 15, 2021
 11:15 AM -12:45 PM

Resource Person

 Prof. Dr. Ambat Vijayakumar
 Emeritus Professor
 Former Professor & Head
 CUSAT, Kochi

Patron


 Prof. (Dr) Sabu Thomas
 Hon. Vice Chancellor
 Mahatma Gandhi University
 Kottayam

Platform: Google Meet (Link will be shared on 15-12-2021 FN)

Organized by
 School of Mathematics & Statistics
 Mahatma Gandhi University, Kottayam, Kerala

Contact: Dr. K K Jose, Director,
 School of Mathematics and Statistics & School of Data Analytics
 Mahatma Gandhi University, Kottayam
 Ph:-918304870247


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.





**School of Mathematics & Statistics and
 School of Data Analytics
 Mahatma Gandhi University Kottayam, Kerala**

Workshop on Statistical Methods and R Programming

Resource Persons:


 Dr. Sebastian George
 Professor & Head
 Dept. of Statistical Sciences
 Kannur University


 Dr. Joby K. Jose
 Registrar
 Professor of Statistics
 Kannur University

Patron

 Prof. (Dr) Sabu Thomas
 Hon. Vice Chancellor
 Mahatma Gandhi University
 Kottayam

Date : 11 December 2021
 Time: 2:00 PM - 5:00 PM

Platform: Google Meet (Link will be shared on 11-12-2021 FN)

Contact: Dr. K K Jose, Director,
 School of Mathematics and Statistics
 School of Data Analytics
 Mahatma Gandhi University, Kottayam
 Ph:-918304870247

Coordinators:
 Dr. Satheesh S, School of Data Analytics, MG University.
 Dr. Ajitha Sasi, School of Mathematics and Statistics, MG University.

National Mathematics Day Celebrations 2021

Mahatma Gandhi University, Kottayam, Kerala
School of Mathematics & Statistics and
School of Data Analytics

Celebrates

National Mathematics Day
22 December 2021

Two-day Webinar on 21 and 22 December 2021

In order to commemorate

134th Birth Anniversary of the great Indian Mathematician
Srinivasa Ramanujan,
the Government of India has declared 22 December as
National Mathematics Day

Day 1
Inauguration and talk
21 December, 2021
Time: 2:45 pm - 4:00 pm
Google Meet will be shared on 21 December 2021 (FN)

Chief guest

Prof. (Dr.) Sabu Thomas
Vice-Chancellor
Mahatma Gandhi University, Kottayam

Keynote Address
Topic: Mathematics Language
of Universum: To Infinity and Beyond

Dr. K. K. Jose
Director
School of Mathematics and Statistics &
School of Data Analytics
Mahatma Gandhi University, Kottayam

Mr. Sayooj Aby Jose
IMU Breakout Research Fellow
Alagappa University, TamilNadu

Day 2
22 December, 2021, Time: 2:45 pm - 4:00 pm
Platform: Google Meet will be shared on 22 December 2021 (FN)

Topic: Srinivasa Ramanujan: The Great Mathematical Legend
Speaker: Dr. K. K. Jose, Director
School of Mathematics and Statistics & School of Data Analytics
Mahatma Gandhi University, Kottayam

National Mathematics Day Celebrations 2021 was organized in collaboration with Alphonsa College Palai during 21-22 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.

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