



Since 1915

Women's
Christian
College

Lighted to Lighten



ACADEMIC ACTIVITIES

2018-2019

PG DEPARTMENT OF MATHEMATICS



PG DEPARTMENT OF MATHEMATICS

ACTIVITIES – 2018 – 2019

(Conferences, Seminars, Webinars, Workshops, Guest Lectures, etc.)

1. A **Certificate Course** on “**Mathematical Software Tools such as LaTeX, MATLAB, Flash, Wolfram Alpha, Visio**” was organized by the Department to learn documenting and drawing tools from 09/08/2018 – 17/08/2018. **Ms. Jessie Abraham**, Assistant Professor, Women’s Christian College, PG Department of Mathematics, was the course teacher.
2. A **Guest Lecture** on “**Big Data Analytics**” was organized by the Department to discuss the impact on organizations across various industries, driving innovation, efficiency, and competitive advantage on 17/09/2018. **Mr. Rajan**, CEO of Aadhitya Info Media Solutions was the resource person.
3. A **workshop** on the topic “**Fuzzy Mathematics**” was organized by the Department on 5/12/2018 where eminent persons were invited to deliver talks and initiate vibrant discussions among the delegates to promote awareness about Fuzzy Mathematics. **Dr. Felbin C. Kennedy, Dr. Dhanalakshmi** from Stella Maris College, Chennai were the resource persons.



4. A “**National Conference on Mathematics and Computer Applications (NCMCA 2019)**” was organized by the Department of Mathematics of Shift-1 and Shift-2 from 29th to 30th January 2019, aiming to bring eminent persons from the

field of Mathematics and Computer Science to deliver talks on current developments and applications in these subjects, so that the participants will be motivated to enhance research in their area of study. The Invited Speakers for NCMCA 2019 include **Dr. V. Vilfred**, Head and Associate Professor, Department of Mathematics, Central University of Kerala, Kerala, **Dr. R. Gopi**, Professor, Department of Computer Science, Christ University, Bangalore, **Dr. A. Nagoor Gani**, Associate Professor and Research Advisor, P.G. & Research Department of Mathematics, Jamal Mohamed College, Thiruchirappalli, **Dr. K.C. Sivakumar**, Professor, Department of Mathematics, Indian Institute of Technology, Chennai, and **Mr. Muthu Logan**, Founder and CEO, Blue Zen Technologies, San Francisco Bay Area, USA.

NATIONAL CONFERENCE ON MATHEMATICS AND COMPUTER APPLICATIONS 29 th & 30 th January 2019		NATIONAL CONFERENCE ON MATHEMATICS AND COMPUTER APPLICATIONS 29 th & 30 th January 2019	
REGISTRATION FORM CATEGORY Faculty { } Research scholar { } Student { } Name : _____ Designation : _____ Institution : _____ Address for correspondence : _____ Email : _____ Phone : _____ Presenting Paper : Yes / No If yes Title of the Paper : _____ Accommodation required : Yes / No Details of payment : _____ Amount : Rs _____ DD No. : _____ Bank : _____ Date : _____ Signature : _____ Kindly fill the Google form from the college website https://www.wcc.edu.in		 NCMCA 2019 FOR FURTHER DETAILS CONTACT: Dr. J. Jeba Jesintha 9840746512 Ms. P. Lizzie Angelina 9789993286 e-mail : ncmca2019@gmail.com  ORGANIZED BY DEPARTMENT OF MATHEMATICS WOMEN'S CHRISTIAN COLLEGE CHENNAI-600 006	

<p>ABOUT OUR COLLEGE</p> <p>Women's Christian College, Chennai, founded in 1915 by the united effort of 12 missionary societies in Britain, Canada and U.S.A., is the first girls' women's college in Madras. The College offers a wide range of relevant and need-based programs at the Undergraduate, Postgraduate and Research levels to women from the diverse National and Regional communities and varied socio-economic backgrounds. The mission of the college is to provide a complete, meaningful and relevant education to women so that they are intellectually well-trained, morally upright, socially aware and spiritually inspired. The College Motto - "Lighted to Lighten" - have inspired the staff, students and alumnae of the College to serve the society with commitment and dedication.</p> <p>The 'A' Grade awarded by NAAC in the second and third cycles of accreditation is a fitting testimony to the remarkable progress of the College over the decades of the past century. The recent recognition by UGC in April 2016 awarding WCC 'College with Potential for Excellence' status and being placed '5th in the all India level by the NIRF in the NIRF rating, is a tribute to the high standards of education and outstanding achievements in teaching-learning, research and extension activities.</p> <p>The College has ties with institutions abroad. The College has ICU's with Concordia College, New York, USA, under the American Transfer Program (ATP) with Middlesex University, London, UK, under the British Transfer Program (BTP) with Camosun College, Canada under the Canadian Transfer Program (CTP). The Semester Abroad Program with Central University, Philadelphia, USA has benefited students of WCC and students from Eastern University.</p> <p>With a renewed vision for the second century, WCC has entered into its 102nd year focusing on excellence in education that will empower student life and the community.</p> <p>ABOUT THE DEPARTMENT</p> <p>The Department of Mathematics had its inception in 1925 as an undergraduate department. Since then it has been maintaining the highest standards of education, promoting excellence and fostering critical thinking. In response to the emerging trends in higher education, the department offers a variety of innovative courses in the pure and applied Mathematics as well as in interdisciplinary streams. The dawn of this century set off the process of expansion of the department as a postgraduate department which was started in 2009.</p> <p>The objective of the PG Department is to provide strong mathematical background to students who have graduated with B.Sc. Mathematics and those who wish to pursue a career in Mathematics and related fields. Over the years, the Department have made an impact in the society by their contributions in various fields such as research, teaching and industry by regularly organized National Conference since 2009. The PG Department has signed an industrial partnership with Aadhivee Informatics Solutions.</p>	<p>A certificate course in Quantitative Aptitude and Logical Reasoning is offered by the PG department to final year students of the college to prepare them for competitive examinations.</p> <p>At the National level, our students have been regular part of the summer programmes conducted by NBHM. Motivated to reach out to society, students take up 'Service Learning', using innovative methods to teach Mathematical concepts to school children.</p> <p>OBJECTIVE OF THE CONFERENCE</p> <p>It is well known that Mathematics plays a vital role in research and development of Computer Science. The objective of the conference is to bring together a national team of mathematicians and computer scientists who will share their knowledge in Mathematics and in Computer Applications. The conference also aims to provide a platform for research scholars and post graduate students to present their findings in different areas of mathematics and computer science and to create a map/road in some future directions of study as well as research. Eminent persons from the field of Mathematics and Computer Science will be invited to deliver talks on current developments and applications in these subjects, so that the participants will be motivated to enhance research in their area of study.</p> <p>RESOURCE PERSONS</p> <ul style="list-style-type: none"> • Dr. V. Vilfred - Central University Of Kerala, Kerala • Dr. A. Nagoor Gani - Jamal Mohamed College, Trichy • Dr. Gopin - Christ University, Bangalore • Dr. K.C. Sivakumar - Indian Institute of Technology, Chennai <p>CALL FOR PAPERS</p> <p>This Conference is open to postgraduate students, researchers, academicians and industrialists. Original papers are invited in the areas, but not limited to, listed below:</p> <ul style="list-style-type: none"> • Algebra and Analysis • Combinatorics, Discrete Mathematics and Graph Theory • Computer Networks, Neural Networks • Control Theory, Automation and Decision Making • Data Mining • Finite Theory and Number Theory • Mathematical Modeling and Simulation • Probability Theory and Stochastic Processes • Software Engineering and Technology • Statistics, Operations Research • Wireless Technologies, Information Systems 	<p>PUBLICATION OF RESEARCH PAPERS</p> <p>Extended Abstracts are invited from Participants who wish to present their research work at the National Conference. Proceedings of the Extended Abstracts will be brought out at the Conference. Selected papers will be published in the UGC approved journal <i>Bulletin of Pure and Applied Sciences</i> after the Conference.</p> <p>IMPORTANT DATES</p> <table border="1"> <tr> <td>Extended Abstract Submission</td> <td>20.12.2018</td> </tr> <tr> <td>Last date of Registration</td> <td>03.01.2019</td> </tr> <tr> <td>Paper Submission for Journal Publications</td> <td>05.03.2019</td> </tr> </table> <p>GUIDELINES FOR SUBMISSION</p> <p>Extended Abstract should be typed in 1.5 line spacing 12 point Times New Roman font, with Paper Size, Author name, Affiliation, Email and send it to Email: ncmca2019@gmail.com</p> <p>REGISTRATION FEE</p> <table border="1"> <tr> <td>Faculty / Academicians / Industrialists</td> <td>Rs 750/-</td> </tr> <tr> <td>Research Scholars - M.Phil, Ph.D.</td> <td>Rs 500/-</td> </tr> <tr> <td>P.G. Students</td> <td>Rs 200/-</td> </tr> </table> <p>DD Drawn in favor of 'The Bureau, Women's Christian College', payable at Chennai. Filled in Registration form and DD should be sent to Ms. V. Sharon Philemona, Organising Secretary, NCMCA-2019, P.G. Department of Mathematics, Women's Christian College, Chennai-60.</p> <p>At least one of the authors of the paper and all participants should register.</p> <p>PATRON</p> <p>Dr. Lilian J. Joseph, Principal & Secretary</p> <p>CONVENORS</p> <p>Dr. J. Jeba Jesintha Ms. P. Lizzie Angelina</p> <p>ORGANISING SECRETARIES</p> <p>Ms. V. Sharon Philemona Ms. I. Saranya Anjaleth Joubell</p> <p>TREASURER</p> <p>Dr. A. Sajja Merlin Madal</p> <p>ORGANISING COMMITTEE</p> <p>Ms. Shibi Anuradha Dr. M. Anil Jose Dhanraj Ms. G. Enitha Dorothy Dr. J. Renjith</p>	Extended Abstract Submission	20.12.2018	Last date of Registration	03.01.2019	Paper Submission for Journal Publications	05.03.2019	Faculty / Academicians / Industrialists	Rs 750/-	Research Scholars - M.Phil, Ph.D.	Rs 500/-	P.G. Students	Rs 200/-
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Brochure NCMCA 2019



Dr. A. NagoorGani, Associate Professor and Research Advisor,
P.G. & Research Department of Mathematics, Jamal Mohamed College, Thiruchirappalli.



Dr. V. Vilfred, Head and Associate Professor, Department of Mathematics,
Central University of Kerala, Kerala



Resource Persons, Faculty, and Students of NCMCA 2019