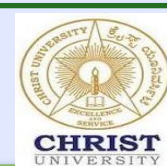


# International Conference on New Trends in Differential Equations And Applied Mathematics (ICNTDEAM - 2021), 12-13 April 2021



## Organized by

Department Of Mathematics  
Sri Vidya Mandir Arts And Science College (A)  
Katteri, Uthangarai, Krishnagiri, Tamilnadu, India

Department of Mathematics,  
Jyothi Engineering College, Thrissur, Kerala, India

## In Collaboration With

Department of Mathematics,  
Christ (Deemed to be University)  
Hosur Road, S.G. Palya, Bengaluru, Karnataka, India

## About the College

The Visionary Philanthropists of Sri Vidya Mandir Higher Educational Trust started Sri Vidya Mandir Arts & Science College in Uthangarai in the year 2000 with the noble aim of uplifting the economically and educationally backward districts of Dharmapuri and Krishnagiri into the number one educational destination in Tamil Nadu. The College is surrounded by the culturally rich pilgrimage centres, Hanumantheertham (2 km) and Theerthamalai (15 km), associated with the famous Epic, The Ramayana. The college is well-connected with the nearby cities and is located in the Salem - Vellore State Highways. Currently the college has attained the strength of more than 4300 students, 135 faculty Members and 90 non-teaching staffs. Our College secured highest CGPA score in NAAC ('A' Grade, 3.27/4.00) among the Periyar University affiliated colleges in the first cycle and also recognized with the same till the year of 2025. Now our college has been accomplished with the status of Autonomous in the current academic year.

## About the Department

The Department of Mathematics was established in the year 2004 with undergraduate B.Sc. degree in Mathematics with 26 students. The M.Sc. degree is being offered from the year 2007. From the year 2012 onwards, the department has emerged as a full-fledged research department offering M.Phil. Programmes and Ph.D. programs from 2016. Since 2004 the department has produced more than 6000 centurms. Now in 2020, the department holds nearly 1000 students with 25 faculties. It provides a teaching learning process to develop the talent through competency building. The department has 11 Ph.D. holders. Our department students have clinched 4 Gold Medal and 63 university ranking Periyar University Examinations. The Department has successfully organized 3 International conferences, 1 International level workshop, 5 National level Workshops with the financial assistance of diverse leading funding agencies and the contributions from the college management. The department runs to meet out the competent academic environment with adequate labs and library resources to support students in their pursuit of excellence in every sector of life.

## About Christ University

CHRIST (Deemed to be University) was born out of the educational vision of St Kuriakose Elias Chavara, an educationalist and social reformer of the nineteenth century in South India. He founded the first Catholic indigenous congregation, Carmelites of Mary Immaculate (CMI), in 1831 which administers CHRIST (Deemed to be University). Established in 1969 as Christ College, it undertook path-breaking initiatives in Indian higher education with the introduction of innovative and modern curricula, insistence on academic discipline, imparting of Holistic Education and adoption of global higher education practices with the support of creative and dedicated staff. The University Grants Commission (UGC) of India conferred Autonomy to Christ College in 2004 and identified it as an Institution with Potential for Excellence in 2006. In 2008 under Section 3 of the UGC Act, 1956, the Ministry of Human Resource Development of the Government of India, declared the institution a Deemed to be University, in the name and style of Christ University. One of the first institutions in India to be accredited in 1998 by the NAAC, and subsequently in 2004 and 2016, CHRIST (Deemed to be University) has the top grade 'A' in the 4-point scale. The multi-disciplinary University which focuses on teaching research and service offers Bachelors to Doctoral programmes in humanities, social sciences, science, commerce, management, engineering, education, and law to over 25000 students. The campus is a living example for the harmonious multiculturalism with students from all the states of India and around 60 different countries. CHRIST (Deemed to be University) publishes six peer-reviewed research journals and has published more than 300 books in Kannada and English. A promoter of sports, music and literary activities, it is a nurturing ground for creative excellence.

## About the Department

Since its inception in 1969, the department has been steadily growing with its mission to organize, create, connect and communicate mathematical ideas effectively through 4Ds: Dedication, Determination, Discipline and Direction. In our triple-major undergraduate programme the students acquire a holistic education with a solid foundation in Mathematics while in post-graduation they acquire the knowledge, skills and competency to excel in research, teaching, service sector and industry. The doctoral students are provided with training opportunities and facilities that are conducive for research. The well chalked-out doctoral programme is facilitated by professors with excellent track-record in research publication. The standard of supervision available in-house is on par with reputed institutes. Our curriculum caters to the diverse academic and career goals of the students. It covers core subjects and includes summer school programmes, internship activities, service-learning activities, individualized mentoring, research projects, and seminars, inter-collegiate and intra-collegiate programmes. The dedicated band of teachers with their vast experience, excellent research credentials and passion for Mathematics make this mathematics fraternity unique and special.

## About Jyothi Engineering College

The Catholic Church has played a vital role in the field of Education, Health care and Social Service. Keeping in tune with the universal policy of the Church, the Archdiocese of Thrissur has illustrious track record of a century and a quarter in the education sector. Education was the prime concern of the Diocese ever since its inception. The legendary march in education started with St. Thomas High School in 1889. Since then, the education ministry had a phenomenal race forward and today it has a number of establishments under its umbrella including Jubilee Mission Medical College & Research Institute and St. Thomas College. Jyothi Engineering College under Thrissur Educational Trust founded by the Catholic Archdiocese of Thrissur, started functioning at Cheruthuruthy in the year 2002. With a visionary management, a team of dedicated faculty and a set of devoted staff and with the comparable infrastructural and instructional facilities in a quiet and studious rural environment, Jyothi has emerged as a Model among the self-financing colleges in Kerala. Within a decade it has achieved an enviable position as the fourth best Engineering College in the State and stands third among the Engineering Colleges affiliated to APJ Abdul Kalam Technological University.

## About the Conference

An Academic conference is a forum for academicians and researchers to meet and discuss the emerging trends in their respective fields and derive benefits for enhancing the research activities. In view of the increase in applications of mathematics in multidisciplinary field the conference will be focusing on the interdisciplinary aspects and applications. "INTERNATIONAL CONFERENCE ON NEW TRENDS IN DIFFERENTIAL EQUATIONS AND APPLIED MATHEMATICS (ICNTDEAM-2021)" is being organized to explore the new developments in the field of differential equations. The conference provides a common platform for researchers to acquaint them with advanced strategies with the help of experts in the subjects. It is intended that on participation in the conference the participants get a better knowledge to use mathematical techniques to analyze complex systems. Speakers from premier institutions in India and abroad with a vast knowledge in the field of differential equations and who have been quite active in the field for a long time will be delivering the invited talks. The main stake-holders are those interested in understanding and solving differential equations problems.

The Organizing committee invites original research papers for oral and poster presentation. Authors are requested to send the abstract not exceeding 300 words in the prescribed font (Times New Roman, Font - 12 points and 1.5 lines spacing) to the mail [svcmathsconference@gmail.com](mailto:svcmathsconference@gmail.com) on or before 08-04-2021. Papers will be accepted for presentation based on the recommendation of the panel of referees and the full length of the selected papers will be published in the proceedings with ISBN number.

Last Date for Abstract submission : 08.04.2021

Last Date for full Length Paper Submission : 10.04.2021

## Focussed Areas

- > Differential Equations
- > Fluid Dynamics
- > Graph Theory
- > Difference Equations
- > Stochastic Process
- > Statistics and Probability
- > Functional Equations
- > Neural Network
- > Discrete Mathematics
- > Computational Science
- > Numerical Analysis
- > Financial Mathematics

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YouTube Link (13.04.2021) : [CLICK HERE](#)

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