

2-DAYS INTERNATIONAL WORKSHOP ON CFD ANALYSIS OF COMPLEX FLUID FLOWS

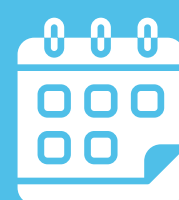
Organised by the
Centre for Mathematical Needs, Department of Mathematics,
CHRIST (Deemed to be University)

in collaboration with

Faculty of Computer Science and Mathematics,
Universiti Malaysia Terengganu, Malaysia



09:00 AM - 05:00 PM



13 & 14 AUGUST 2026



SEMINAR HALL, GROUND FLOOR, BLOCK 2, CHRIST (DEEMED TO BE
UNIVERSITY), BENGALURU 560029

REGISTER NOW



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Dr Pranesh S

Coordinator

Dr Puneeth V

Co-Coordinator

Contact the centre at the above telephone number or email ID

ABOUT THE 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. Recently in 2022 the University has been accredited with A+ grade by the NAAC. The multi-disciplinary University which focuses on teaching, research and service, offers Bachelor to Doctoral programmes in humanities, social sciences, science, commerce, management, engineering, education, and law to over 25000 students. The University offers its programmes at three campus locations in Bangalore in Karnataka; and in Pune Lavasa in Maharashtra and Delhi NCR. The campus is a living example for the harmonious multiculturalism with students from all the states of India and around 60 different countries.

ABOUT THE DEPARTMENT OF MATHEMATICS

In a span of five decades, the Department of Mathematics has turned out to be one of the major departments in the university providing quality education and training. Apart from the post-graduate and PhD programmes being run by the department, in five undergraduate programmes we offer Mathematics as one of the core subjects. In a holistic learning environment created by a highly competent and experienced faculty, aspiring young Mathematicians get nurtured and groomed to contribute significantly to society.

At the undergraduate level, the curriculum focuses on providing a solid base on a diverse range of mathematical subjects, developing technological competency, soft skill and life development. FOSS tools like Scilab, Maxima, and Python are introduced at the undergraduate level. In addition, tools like Matlab, Python, R, Origin and Octave are used for data analysis and computation. In the two-year post-graduate programme a comprehensive syllabus (in accordance with NET/UGC-CSIR syllabus), add-on-courses, summer-internships, self-learning through MOOCs, project work and journal club activities are some of the key features.

A curriculum development cell periodically reviews the curriculum and oversees needed changes. Regular feedback from Students, Alumni, Industry and Academic Experts enhances the quality of an up-to-date syllabus and helps in initiating changes as and when required. Doctoral students numbering 53 contribute to the vibrant ambience of research. Annually the department publishes about 70 research papers in reputed journals. Empowered by experienced, research-focused, committed and skilled team of 19 faculty members, armed with an innovative and updated curriculum and equipped with the best practices of imparting mathematical knowledge, the department has been successful in providing education which is scientific, meaningful and employable as envisaged in the National Policy of Education 2020 of India.

ABOUT THE CENTRE FOR MATHEMATICAL NEEDS

The Centre for Mathematical Needs (CMN) at the Department of Mathematics, CHRIST (Deemed to be University), Bangalore Central Campus, was instituted in 2021 as a visionary initiative to create a dedicated hub for mathematical research, collaboration, and innovative problem-solving. CMN seeks to bridge the long-standing gap between abstract mathematical theory and its real-world applications by fostering synergies between students, faculty, researchers, and industry experts.

Built on the principle that mathematics is a foundational pillar of all sciences, technologies, and analytical thinking, the Centre plays a pivotal role in nurturing a forward-thinking research ecosystem. With a strong emphasis on externally funded projects, interdisciplinary partnerships, student-teacher collaborations, consultancy, and technological development, CMN aspires to be a catalyst for mathematical advancement and real-world transformation. Through its objectives and functions, CMN remains committed to building an inclusive and globally relevant mathematical community that supports innovation, collaboration, and excellence in research.

The Centre for Mathematical Needs is grounded in a mission that reflects both academic integrity and societal relevance. The objectives of CMN are multifaceted, providing a comprehensive framework that supports long-term vision and sustainable development in the field of mathematics. CMN plays a pivotal role in supporting students and faculty members in their academic and professional development. For students, it offers mentoring for research projects, internships, and academic competitions. For faculty, CMN provides assistance with proposal writing, project management, and access to collaborative networks. The Centre also facilitates exposure to advanced research methodologies and emerging areas in mathematics.

The Centre for Mathematical Needs (CMN) at CHRIST (Deemed to be University), Bangalore, stands as a model of how academic centres can be reimagined to respond to the intellectual, technological, and societal challenges of the 21st century. By aligning the rigor of mathematics with real-world relevance, CMN not only contributes to the growth of the discipline but also to the broader landscape of knowledge, innovation, and social transformation.

ABOUT THE WORKSHOP

The workshop on CFD Analysis of Complex Fluid Flows is a joint initiative of Christ University and UMT, designed to provide participants with in-depth knowledge and practical exposure to computational fluid dynamics (CFD) and its wide-ranging applications. This program brings together expertise from academia and industry, featuring distinguished resource persons from Christ University, UMT, and leading organizations such as Mechyatharthik and Quest Global.

The workshop aims to bridge the gap between theoretical understanding and practical implementation by offering a comprehensive learning experience. Participants will be introduced to the fundamental principles of fluid flow, numerical methods, and advanced CFD techniques used to analyze complex flow phenomena. Emphasis will be placed on hands-on training, enabling participants to work with industry-relevant tools and software for modeling and simulation.

Designed for students, researchers, and professionals, the workshop will foster critical thinking and problem-solving skills essential for tackling real-world engineering challenges. Interactive sessions, case studies, and expert insights will provide a deeper understanding of current trends and best practices in CFD. By the end of the workshop, participants will be better equipped to apply CFD methodologies in academic research and industrial applications, enhancing their technical competence and career prospects.

REGISTRATION

Participants interested in attending the workshop on CFD Analysis of Complex Fluid Flows are required to complete the registration process within the specified timeline. Registration will be confirmed only upon successful submission of the form and payment of the prescribed fee. Participants are advised to retain proof of payment and registration confirmation for future reference. As seats are **limited**, registrations will be accepted on a first-come, first-served basis. Selected participants will receive a confirmation email along with further instructions regarding the workshop schedule, venue, and required prerequisites. e-certificates will be provided to all participants upon successful completion of the workshop.

Participant	Registration Fee (Open till 01 August 2026)
UG Students	INR 750
PG Students	INR 750
PhD Scholars	INR 1500
Faculty	INR 2500

Last Date for Registration: 01 August 2026

How to Make the Payment:

<https://christuniversity.in> → E-services → Online Payment Portal → Central Campus → Workshops → CFD AOCFF

[Click here for Registration](#)

[Click here for Fee Payment](#)

[Click here for the Schedule](#)

Lunch will be served on both the days. Please note that the accomodation will be provided only for upon request and the regular charges are applicable.

ORGANISING COMMITTEE

Patron:

Dr Fr Jose C C, Vice Chancellor, CHRIST (Deemed to be University), Bengaluru 560029

Dr Fr Viju P D, Pro-Vice Chancellor, CHRIST (Deemed to be University), Bengaluru 560029

Advisor Members:

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Dr Jyothi Kumar, Registrar (Academics), CHRIST (Deemed to be University), Bengaluru 560029

Dr Johnny Joseph, Dean of Centres, CHRIST (Deemed to be University), Bengaluru 560029

Dr Fr Varghese, Chief Financial Officer, CHRIST (Deemed to be University), Bengaluru 560029

Dr T V Joseph, Professor & Dean, School of Sciences, CHRIST (Deemed to be University), Bengaluru 560029

Ts. Dr Muhammad Suzuri Hitam, Professor & Dean, Faculty of Computer Science and Mathematics, Universiti Malaysia Terengganu

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Convenor:

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Coordinators:

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