Physical Facilities For Interdisciplinary Research

Research and Development Cell

https://christuniversity.in/center/C/Research%20and%20Development%20Cell

Established in 1999, it was restructured in 2023 in accordance with the University Grants Commission (UGC) guidelines. The Research and Development Cell serves as a beacon of excellence in higher education, driving forward a culture of inquiry, innovation, and scholarly pursuit. It is committed to providing a conducive environment where scholars, researchers, and students from diverse disciplines can come together to explore new frontiers, tackle complex challenges, and make meaningful contributions to the global intellectual landscape.

Center for Research

https://christuniversity.in/center/O/CR

The center of research is divided into two wings. The Center for Research (Academics) and The Center for Research (Projects). The Academic wing oversees the quality standards and conduct of Doctoral Programs, Post-doctoral programs, and the Post-Graduate Diploma in Research. The Projects wing provides support and resources for applying for Externally Funded Research Grants and promotes research.

Center for Advanced Research and Development

https://christuniversity.in/center/C/card

Center for Advanced Research and Development (CARD) works towards this goal by bringing a research culture through innovations. The main aim of this center is to create a central instrumentation facility, helping sample characterizations and bringing collaborations from India and abroad. Commercialization, along with quality publications, is the main focus of the center. The Center also ensures the creation of infrastructure and patents, arranging research MoUs, guiding the faculty towards grant applications, etc.

Center for Artificial Intelligence

https://christuniversity.in/center/C/Centre-for-Artificial-Intelligence

By nurturing a culture of inquiry and collaboration, the Centre cultivates an environment where faculty, researchers, and students can engage in interdisciplinary exploration and push the boundaries of AI. Its key function is to facilitate collaboration among researchers from diverse disciplines, such as computer science, engineering, mathematics, cognitive science, humanities, and social sciences, to foster innovative and holistic approaches to AI research and solutions.

Center for Neurodiversity Research and Innovation

https://www.centerforneurodiversity.org/

The Centre for Neurodiversity Research and Innovation (CNRI) is proposed as a multidisciplinary centre that draws on the collective strengths and core values of Binghamton University and Christ University to establish evidence-based programmes, research, and community engagement in the service of neurodiverse individuals.

Center of Excellence in Automation

https://christuniversity.in/center/C/Centre-of-Excellence-in-Automation

It was established in the year 2012 at the School of Engineering and Technology, along with the industry partner Festo India Private Limited. The lab caters to the needs of budding automation engineers by enabling them to learn Pneumatics, Hydraulics, etc.

Centre for Quantum Technologies and Complex Systems

https://christuniversity.in/center/C/cqtcs

The Center for Quantum Technologies and Complex Systems (CQTCS) aims to establish an international-level world-leading research centre dedicated to advancing foundational and applied research in quantum science, engineering, and complex systems dynamics. This centre will train the next generation of physicists and interdisciplinary researchers, and provide support for innovation in quantum technologies and complex systems. Additionally, this centre will foster international collaborations and partnerships.

Centre for Excellence in Astronomy and Astrophysics

https://christuniversity.in/center/C/ceaa

The Centre of Excellence in Astronomy and Astrophysics (CEAA) at CHRIST (Deemed to be University) stands as a premier hub for cutting-edge research and education in space sciences. Centre is dedicated to breakthrough projects in observational and theoretical astrophysics. Through strategic global partnerships and advanced training programs, centre nurtures the intellectual curiosity of the next generation of scientists, aiming to make significant contributions to our understanding of the universe

Centre for Renewable Energy and Environmental Sustainability

https://christuniversity.in/center/C/crees

The Centre for Renewable Energy and Environmental Sustainability (CRESS) focuses on sustainable energy solutions, environmental remediation, and green technologies, empowering students and stakeholders to address global sustainability challenges. This centre has four research clusters -Materials for renewable energy, Environmental

sustainability, Functional materials and their applications and Synthetic and computational Chemistry

Centre for Advanced Material Research, Innovation and Technology

https://christuniversity.in/center/C/CAMRIT

The Centre is dedicated to advancing research, innovation, and capacity building in advanced materials and clean-energy technologies. The Centre functions as a platform for joint research, technology development, and knowledge exchange. It supports funded projects, facilitates access to advanced instruments and process tools, and promotes engagement with national and international partners. The overarching aim is to foster an ecosystem in which research outcomes translate into tangible technological advancements and strengthen the broader renewable-energy sector.

Centre of Excellence in E-Mobility

https://christuniversity.in/uploads/userfiles/file/CoE_Emobility.pdf

The Centre of Excellence in e-Mobility at Christ University's Kengeri campus plays a critical role in shaping the future of transportation and addressing global challenges in sustainability and energy efficiency. This centre focuses on cutting-edge research and development in key areas of Energy Storage Systems, Advanced Powertrain Technologies, Software-Driven Vehicles, and Sustainable Transportation

Centre of Excellence in Frontier Material Research

https://christuniversity.in/uploads/userfiles/file/CoE-FMR.pdf

The Centre of Excellence (CoE) in Frontier Material Research at our Engineering Campus stands as a hub of innovation and interdisciplinary research collaboration. The COE FMR lab is promoting an environment that brings together students and faculty to explore advancements in battery materials, thermal barrier coatings, and other allied sustainable technologies.

Centre for Advanced Research in Digital Forensics and Cyber Security (ARDC)

https://christuniversity.in/uploads/userfiles/file/CoE-ARDC.pdf

The Centre for Advanced Research in Digital Forensics and Cyber Security (ARDC) at CHRIST (Deemed to be University) serves as a dynamic and vibrant fulcrum that propels knowledge transfer, research and innovation in the realm of Cyber Security. Rooted in the vision of the University, the Centre is designed to fortify research and innovation excellence through securing IT infrastructure and nurturing the cyber-physical systems as a sustainable environment

RF and Microwave Research Lab

https://christuniversity.in/uploads/userfiles/file/RF and Microwave Research Lab.pdf

This research laboratory provides a complete platform for the simulation and experimental validation of a variety of antennas, RF systems, metamaterials, and microwave devices. The lab was established in the year 2018 with the support of CHRIST University Major Research Project funding