RESEARCH DIVISIONS - AMRITA VISHWA VIDYAPEETHAM

At Amrita Vishwa Vidyapeetham, the Research Divisions stand as vibrant hubs of innovation and knowledge creation, reflecting the university's commitment to advancing research across diverse domains. These divisions encompass a wide array of interdisciplinary centers and laboratories, each dedicated to pushing the boundaries of knowledge and addressing pressing societal challenges. From cutting-edge advancements in wireless communication systems and cybersecurity to transformative research in educational technology and neuroscience, the Research Divisions at Amrita Vishwa Vidyapeetham foster collaboration, innovation, and societal impact. By bringing together experts from various fields and promoting interdisciplinary approaches, these divisions drive forward the university's mission of knowledge creation, social responsibility, and holistic development. Through their pioneering research initiatives and commitment to excellence, the Research Divisions at Amrita Vishwa Vidyapeetham continue to inspire transformative change and shape the future of research and innovation.

PROVOST

At Amrita Vishwa Vidyapeetham, the Provost embodies the university's commitment to academic excellence and holistic development. The Provost collaborates closely with leadership team to foster academic and research collaboration, support policy development, create an innovative teaching environment, manage international initiatives, and establish collaborations promoting diversity, inclusion, and cultural initiatives across the university's multiple campuses and disciplines. With a commitment to fostering a vibrant academic community, the Provost plays a pivotal role in shaping the university's strategic vision and implementing initiatives that uphold its values of knowledge creation, social responsibility, and holistic development.
MULTI-DISCIPLINARY RESEARCH CENTERS (MRC) & THEMATIC RESEARCH CENTERS (TRC)@ Amritapuri

Wireless Networks & Applications Center (WNA) - stands as a beacon of innovation and technological advancement. Dedicated to cutting-edge research and development in wireless communication systems and their applications, WNA plays a pivotal role in shaping the future of connectivity. With a multidisciplinary approach, the center brings together experts from various fields to explore emerging trends such as 5G, Internet of Things (IoT), and beyond. Through collaborative projects and industry partnerships, WNA not only pushes the boundaries of knowledge but also translates research into practical solutions that benefit society.

Amrita Center for Research in Analytics, Technologies & Education (AmritaCREATE) : is an educational technology initiative pioneered by Amrita Vishwa Vidyapeetham. Social and educational systems must be designed in such a manner that creativity and values are nurtured along with knowledge. AmritaCREATE is meeting the research challenge to determine the features and applications which can lead to such types of phased transformation through educational technologies. The solution to these problems requires an interdisciplinary approach that draws upon expertise in the physical, biological, statistical and social sciences. AmritaCREATE has assembled a multidisciplinary team with these factors in mind. AmritaCREATE applies innovative digital solutions to provide accessible and affordable educational technologies for all. It aims to improve the quality of education using innovative solutions that integrate research and practice.

Amrita Center for Cybersecurity Systems and Networks – promote partnership between industry, academia and the government to foster innovative research and education in cybersecurity, thus enhancing knowledge, deriving solutions, benefiting society and mitigating risks. The Center is supported by the Government of India through many of its Departments and Mission REACH programs. The Center has been designated as a Center of Relevance and Excellence (CORE) for cybersecurity in India. As a CORE, the Center aims to foster a core group of experts who can help disseminate knowledge about the ever-expanding frontiers of cybersecurity.
Centre for Internet Studies and Artificial Intelligence – CISAI: is an R&D center that performs interdisciplinary research & studies on Internet, AI and related technologies and its impact on the society. CISAI strives to collaborate with Researchers, Academicians, Policy makers, Students, Scientists, Programmers, Inventors, to study the Internet, it’s related digital technologies and its impact.

Mind Brain Center - explore the brain and mind organization and function using experimental methods, computational neuroscience, and cognitive modelling from an interdisciplinary perspective going through the effects of neurotransmitters, network dynamics, and behavior, during normal and disease conditions. The center will inspire younger minds to study and solve brain and behavior related problems while connecting scientists, engineers, physicians, and the community to tackle the challenges of brain related wellness and disorders. The center will lead research to healthcare for immediate impact.

Humanitarian Technology (HuT) Labs - HuT Labs is an engineering research lab using robotics for social cause. The dedicated research lab, HuT (Humanitarian Technology) Labs is mainly focusing on Robotics, Health Care, Human Aided Devices, and Embedded Systems and is headed by Prof. Rajesh Kannan Megalingam of department of Electronics and Communication Engineering. HuT Labs is one of the top research labs in India in terms of using technology for humanitarian cause. Self-E, a self-driving wheelchair robot, Amaran, a coconut tree climbing and harvesting robot, Mudra, a hand gesture based wheelchair robot, Paripreksha, a search and rescue robot for disaster management, CHETAK, a self-governing and multi-tasking home assistance robot etc. are some of the significant robots built at HuT Labs.
Research Head

The Research Head plays a critical role within our institution, overseeing the Research Committee and serving as its Chairperson. This committee, comprising esteemed faculty members from various disciplines, is dedicated to advancing our research endeavors and fostering innovation. The Research Head is responsible for guiding the strategic direction of research activities across different thrust areas and disciplines, ensuring alignment with institutional goals and priorities. Reporting directly to the Dean, the Research Head coordinates efforts to shape the institution's research agenda and drive initiatives aimed at achieving international recognition.

Functioning as the liaison between the Research Committee and institutional leadership, the Research Head facilitates communication and collaboration to enhance the impact and relevance of our research endeavors. They work closely with committee members to set ambitious targets for faculty involvement in research activities, fostering a vibrant research culture within our institution. By monitoring progress, evaluating outcomes, and adapting strategies as needed, the Research Head ensures a dynamic and responsive approach to advancing our research mission.

In addition to guiding the strategic direction of research initiatives, the Research Head plays a pivotal role in promoting interdisciplinary partnerships, facilitating the dissemination of research findings, and fostering scholarly engagement. Through effective leadership and strategic guidance, they inspire curiosity, foster creativity, and promote excellence in research across the institution. Ultimately, the Research Head's overarching goal is to establish our institution as a leader in academic inquiry and discovery, empowering faculty and researchers to make meaningful contributions to their respective fields.