LINGAYAS VIDYAPEETH

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

RESEARCH ACTIVITIES

The Department of Computer Science and Engineering stands as a beacon of research excellence, distinguished by its ground-breaking advancements and profound impact on technology and society. Our dedicated team of faculty and researchers, recognized globally, delve into a myriad of innovative areas including Artificial Intelligence, Machine Learning, Big Data Analytics, Cybersecurity, Blockchain Technology, Cloud Computing etc.

Our department proudly presents an array of MOOC (Massive Open Online Courses) designed to offer flexible, comprehensive learning opportunities. Our courses, covering topics like Artificial Intelligence, Web Development, Data Science, and Cybersecurity, are tailored to cater to learners at various levels, from beginners to advanced professionals. Delivered by esteemed faculty and industry experts, these courses blend theoretical knowledge with practical skills. Accessible globally, they provide interactive content, real-time projects, and peer collaboration, ensuring a rich learning experience. Whether for career advancement or personal growth, our MOOCs are a gateway to the latest in computer science education.

Our commitment to research excellence is evidenced by our substantial contributions to prestigious international journals and conferences. The department has consistently secured significant funding for research projects, enabling the exploration of novel ideas and the development of transformative technologies.

We pride ourselves on our state-of-the-art laboratories and research facilities that provide an ideal environment for cutting-edge research. These resources have been pivotal in achieving notable breakthroughs, particularly in AI and machine learning, that have garnered global recognition.

Our department's research output is impressive, with more than 50 publications in top-tier Scopus Indexed Journals and Conferences, a remarkable record of intellectual contributions, including 25 patents, reflecting our innovative spirit and technological prowess. The department faculty has authored over 20 book chapters, showcasing their academic depth and commitment to advancing knowledge in the field of Computer Science. The Scholarly achievements of the Department of Computer Science and Engineering comprises are vividly recognized for delivering more than 10 insightful talks at various international platforms, chairing numerous sessions, contributing to the discourse in cutting-edge technologies and research in addition to being esteemed as a reviewer for journals of high repute, thereby, ensuring the integrity and advancement of scholarly work in the department.

We emphasize interdisciplinary research, encouraging our students to work alongside faculty on various projects. This hands-on experience is invaluable in preparing them for successful careers in academia and industry.

Our collaborative research endeavours extend beyond academic boundaries, involving partnerships with leading industry giants and international institutions. This has not only

enhanced the practical application of our research but has also facilitated the exchange of knowledge and expertise.

Moreover, our research has a significant societal impact, addressing critical challenges in areas like healthcare, environmental sustainability, and digital education. By aligning our research goals with real-world needs, we are not only advancing the field of computer science but also contributing positively to the community at large.

In summary, the Department of Computer Science exemplifies research excellence through its innovative research, global collaborations, advanced facilities, and societal contributions, solidifying its position as a leader in the technological domain.