Vidyabharti Trust College of Master in Computer Application (MCA, MBA & IMSc.IT), Umrakh

Approved by AICTE, New Delhi and Affiliated to GTU, Ahmedabad.

Report on Industrial Visit

On 6th December 2024, an industrial visit was organized by Vidyabharti Trust College of Master in Computer Application (MCA, MBA & M.Sc. (IT)), Bardoli, to the Centre for Development of Advanced Computing (CDAC), Pune. The visit was a part of the academic curriculum for the First-Year MCA and IMSc.IT students. The objective was to provide students with exposure to advanced computing technologies and to bridge the gap between theoretical knowledge and practical application. A total of 50 students, accompanied by four faculty members, participated in the visit.



To ensure a comfortable and seamless experience, a bus was arranged for transportation. The journey began on 5th December 2024 at around 10 PM, with all participants assembling at the college campus. On the very next day brunch was provided en route, and dinner was arranged for the return journey. The arrangements were meticulously planned to ensure students and faculty could focus on the educational aspects of the visit without any logistical concerns.

Upon reaching CDAC, the students and faculty were warmly welcomed by the staff. The day's agenda included presentations, demonstrations, and guided tours of the facility. Students attended a comprehensive session on supercomputers, including their architecture, functionalities, and applications in fields such as weather forecasting, scientific research, and big data analytics.

They were introduced to India's achievements in supercomputing, particularly the PARAM series of supercomputers developed by CDAC. Live demonstrations of high-performance computing applications provided students with insights into real-world problem-solving using supercomputers. The students observed how supercomputers process large datasets and execute complex algorithms efficiently.

CDAC experts conducted a session on emerging technologies, including Artificial Intelligence, Machine Learning, Quantum Computing, and Block chain. Students gained an understanding of how these technologies are integrated into various industries to drive innovation.

The visit concluded with an interactive session where students had the opportunity to ask questions and seek guidance from CDAC's experts.



Conclusion:

The industrial visit to CDAC, Pune, was a resounding success, fulfilling its objective of providing practical exposure to students. It not only enriched their knowledge but also motivated them to explore career opportunities in advanced computing and related fields. The event underscored the importance of industry-academia interaction and the role it plays in shaping the future of aspiring technocrats.