

High Performance Computing Facility

The High Performance Computing (HPC) Facility at our Mechanical Engineering Department is a cutting-edge resource designed to support complex simulations, data analysis, and computational research. This facility is equipped with high-speed processors, extensive memory, and large-scale storage systems to handle demanding computational tasks. Students and researchers can leverage the HPC resources to perform large-scale simulations in fluid dynamics, structural analysis, thermal systems, and other areas of mechanical engineering. The HPC facility enables:

- **Advanced Simulations:** Perform detailed simulations for aerodynamic studies, material science, and thermal analysis.
- **Big Data Analysis:** Analyze large datasets for research projects, including those in manufacturing processes and optimization.
- **Research and Development:** Support innovative research initiatives and development of new engineering solutions.
- **Interdisciplinary Projects:** Facilitate collaborative research across various engineering disciplines.

Laboratory Details

This state-of-the-art computer system is designed to meet the demands of power users, gamers, and professionals who require top-notch performance and reliability. It boasts a range of high-quality components that work together seamlessly to deliver exceptional computing power and efficiency.