



High Performance Computing Lab (HPC Lab)

Mechanical and Production Engineering Department

Ahsanullah University of Science & Technology (AUST)

General Lab Safety Rules

Wear PPE: Lab coat, safety goggles, gloves, and closed-toe shoes are mandatory.

No Unauthorized Entry: Only authorized students and staff are allowed in the lab.

Keep Workspace Clean: Ensure all equipment is stored properly and workspaces are clean after experiments.

No Eating or Drinking: Food and drinks are strictly prohibited to avoid contamination.

Accident and Health Hazard Provisions

First Aid Kit: Familiarize yourself with its location and basic first aid procedures.

Fire Safety: Know the emergency exits and fire alarm locations. Evacuate immediately if a fire cannot be controlled.

Incident Reporting: Report accidents immediately to the lab in-charge. Investigations will be conducted to prevent future incidents

Safety Procedures for Specific Equipment

High-Performance Servers: Ensure all servers are grounded properly. Avoid touching any exposed circuitry while the server is powered on. Never open power supplies or other electrical components; they contain capacitors that can retain a high voltage even after shutdown. Ensure adequate airflow around server racks to prevent overheating.

Data Storage Systems: Follow secure backup protocols and ensure data is encrypted. Limit physical access to data storage systems to protect sensitive information. Avoid moving storage systems while they are in operation, as this can cause data loss or hardware damage.

Cooling Systems: Keep cooling systems clean and in good working order. Clean filters and fans regularly to avoid overheating. Use monitoring tools to ensure cooling systems are operating within safe temperature and humidity ranges.

Uninterruptible Power Supply (UPS) Systems: UPS units contain batteries that can be dangerous if handled improperly. Follow manufacturer guidelines when replacing or servicing batteries. Do not plug in devices that exceed the UPS's rated capacity.

Lab Contact Information

Lab In-Charge: Md. Samiul Haider, Chowdhury, Rafat Rahman

Emergency Contact: [LA: 01575055647, AAO: 01534100141]

REMEMBER: Safety First! Always adhere to lab safety protocols.