



Applied Thermodynamics 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

Lab Contact Information

Lab In-Charge: Dr. Fazle Rabbi

Emergency Contact: [LA: 01727676939 , AAO: 01534100141]

Safety Procedures for Specific Equipment

Boiler Demonstration Unit: Ensure pressure relief valves are functional before use. Always monitor temperature and pressure gauges. Never operate the unit without supervision or proper training.

Cooling Tower: Be cautious of high-speed fan blades; ensure protective screens are in place. Ensure water circulation systems are checked for leaks before operation.

Refrigeration Demonstration Unit: Always wear heat-resistant gloves when handling refrigerants. Ventilate the area properly when working with refrigerants to prevent inhalation hazards.

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