



Heat Engine 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

Engine Test Set: Wear ear protection during engine operation due to high noise levels. Ensure engines are securely mounted and stabilized before starting tests.

Diesel & Petrol Engines: Never touch hot surfaces or moving parts while the engine is running. Ensure proper ventilation to avoid accumulation of exhaust gases.

Exhaust Gas Analyzer: Use in a well-ventilated area to avoid inhaling toxic fumes. Wear protective gloves when handling the equipment to avoid skin contact with chemicals.

Disk & Drum Brakes / Gearbox / Clutch Plate: Always support heavy components during assembly or disassembly. Ensure tools are correctly used and stored after operation.

Generators (Diesel & Petrol): Monitor fuel levels and avoid spills during operation. Operate in a ventilated area to prevent hazardous fumes buildup.

ICE Demonstration Unit: Keep hands and tools clear of moving parts. Shut down the unit immediately if unusual noises or malfunctions occur.

Lab Contact Information

Lab In-Charge: Dr. Mahbul Muttakin

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

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