

**Wet Processing Lab-II**  
**Department of Textile Engineering**  
**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.

**Safety Procedures for Specific Equipment**

**Stenter Machine:**

- ✓ Clean fabric lint and grease from heating zones regularly and avoid running synthetic fabrics at too high a temperature to prevent ignition.
- ✓ Ensure automatic fire suppression systems (e.g., water spray) are functioning.
- ✓ Use flame-retardant conveyor belts where possible.

**Spectrophotometer:**

- ✓ Keep flammable solvents (used in sample prep) away from the device.
- ✓ Do not block vents; ensure proper air circulation.
- ✓ Use only recommended power supplies to avoid electrical shorts.
- ✓ Turn off when not in use for long periods.

**Safety Procedures for Specific Equipment**

**Steamer (Textile Steamer / Lab Steamer)**

- ✓ Ensure water levels are sufficient to prevent dry heating and keep the area around the steamer dry to prevent electrical hazards and never open the steamer while under pressure.
- ✓ Use heat-resistant gloves when handling hot fabrics or trays.

**Padder (Padding Mangle):**

- ✓ Wipe spills immediately to prevent chemical vapor ignition.
- ✓ Ensure emergency stop buttons are accessible and functional and ground the equipment to prevent static discharge.
- ✓ Avoid overheating during chemical treatment to reduce vapor ignition risk.

**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:** Md. Muksit Ahmed Chowdhury **Emergency Contact:** [LA: 01719917149, 01767329762]

**REMEMBER: Safety First- Chemicals Don't Give Second Chances.**