

## **Event Schedule**

### **Day 1 (12/08/2025): Introduction to Welding Coordination, Standards, and HSE Compliance**

**Venue:** Linde Bangladesh Limited

**Theory:**

The role of Welding Coordinators in industrial projects, Overview of welding processes and introduction to international welding standards, Overview of welding safety standards, Health risks and Environmental considerations in welding

**Practical:**

Familiarization with welding equipment, Hands-on demonstration of welding techniques and processes, Demonstration of safe welding practices, Conducting a mock safety inspection in a welding environment

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### **Day 2 (13/08/2025): Welding Procedure Specifications and Procedure Qualification Records**

**Venue:** Bangladesh University of Engineering and Technology

**Theory:**

Developing and qualifying WPS and PQR based on international standards, Essential variables and parameters that affect welding procedures, Material selection, joint design, and filler materials.

**Practical:**

Creating sample WPS and PQR, Reviewing real-world WPS and PQR documentation for compliance.

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### **Day 3 (14/08/2025): Welding Metallurgy and Material Properties**

**Venue:** Bangladesh University of Engineering and Technology

**Theory:**

Basic principles of welding metallurgy and how it impacts weld quality, Effects of heat input, cooling rates, and alloy selection, Common welding defects caused by metallurgical issues (cracking, porosity, inclusions).

**Practical:**

Metallurgical testing, Identifying weld defects through visual inspection and destructive testing.

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### **Day 4 (15/08/2025): Quality Control and Non-Destructive Testing (NDT)**

**Venue:** NDT Division, Atomic Energy Center, Dhaka

**Theory:**

Introduction to welding quality control principles, Overview of Non-Destructive Testing (NDT) methods, Importance of documentation, traceability, and weld mapping.

**Practical:**

Conducting visual inspections of welds, Hands-on demonstration of NDT methods and techniques.

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### **Day 5 (16/08/2025): Team Management, Workflow Coordination, and Troubleshooting**

**Venue:** Bangladesh University of Engineering and Technology

**Theory:**

Managing and coordinating welding teams to ensure productivity and efficiency, Strategies for improving workflow and minimizing production downtime, Troubleshooting common welding issues.

**Practical:**

Group activities to simulate team coordination and task management, Real-life case studies focusing on problem-solving and troubleshooting in welding coordination.