

Event Report

Annual Branch Seminar – 2025

Theme: *Welding Challenges in Manufacturing Industry*

Organized by: The Indian Institute of Welding (IIW – India, Mumbai Branch)

Venue: Fr. C. Rodrigues Institute of Technology (FCRIT), Vashi, Navi Mumbai

Date: 22nd February 2025 (Saturday)

Time: 8:00 AM – 5:00 PM

1. Introduction

The Indian Institute of Welding (IIW – India, Mumbai Branch) successfully organized its **Annual Branch Seminar – 2025** on “*Welding Challenges in Manufacturing Industry*” at **Fr. C. Rodrigues Institute of Technology (FCRIT), Vashi**. The event brought together **industry experts, academicians, researchers, and students** to discuss the latest advancements, pressing challenges, and innovative solutions in the field of welding technology.

2. Objectives of the Seminar

- To provide a platform for **knowledge sharing** between industry and academia.
 - To discuss the **current challenges** in welding within the manufacturing sector.
 - To highlight **emerging trends, automation, and sustainability practices**.
 - To encourage interaction among professionals, students, and researchers for collaborative growth.
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3. Key Topics Covered

The seminar covered a wide range of technical subjects, including:

- **Technological Evolution in Welding**
 - **Productivity Improvement and Cycle Time Reduction**
 - **Welding Automation and Robotics**
 - **Advancements in Power Sources & Consumables**
 - **Green and Safe Welding Practices**
 - **Workforce Development and Skill Enhancement**
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4. Participation

The seminar witnessed participation from:

- **Industrial professionals** from leading manufacturing and welding companies.
- **Academicians and researchers** from reputed institutions.
- **Students** from various engineering colleges, eager to gain insights into modern welding practices.

The event served as an excellent **networking and learning platform** for all attendees.

5. Outcomes & Key Takeaways

- Recognition of welding as a **critical enabler** of manufacturing innovation and sustainability.
 - Awareness of **automation and AI-based monitoring systems** in welding.
 - Insights into **eco-friendly practices** reducing emissions and energy consumption.
 - Emphasis on **developing skilled manpower** to meet industry demands.
 - Strengthening the **industry-academia interface** for future research and projects.
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6. Conclusion

The **Annual Branch Seminar 2025** was a grand success, fulfilling its objective of creating a **dynamic platform for technical exchange and collaboration**. The discussions reinforced the importance of welding in shaping the future of **manufacturing, sustainability, and innovation**.

The organizers expressed gratitude to the distinguished speakers, sponsors, participants, and FCRIT for their valuable contribution in making the seminar impactful.

