

# Event Report

Three-Days Technical Seminar on “Next Gen Welding – Smart Technologies, Global Opportunities” Organized by The Indian Institute of Welding (IIW) – India, Mumbai Branch in Collaboration with MET’s IIW Student Chapter.

Date: 14<sup>th</sup>-16<sup>th</sup> August 2025 | Venue: MET Bhujbal Knowledge City, Nashik

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## Introduction

**One-Day Technical Seminar on “Next Gen Welding – Smart Technologies, Global Opportunities”** was jointly organised by MET’s IIW Student Chapter and The Indian Institute of Welding (IIW) – India, Mumbai Branch on 14th August 2025 at MET, Bhujbal Knowledge City, Nashik.

The aim of this seminar was to bring together industry leaders, researchers, academicians, and students to discuss emerging welding technologies, automation solutions, and the opportunities they present in the global manufacturing landscape. The programme served as a vital platform for knowledge sharing and collaboration, highlighting the role of welding in Industry 4.0 and beyond.

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## Distinguished Guests and Speakers

The seminar was graced by the presence of eminent dignitaries and industry experts, including:

- **Mr. N. Kanagasabai** – Chairman, IIW–India, Mumbai Branch
- **Mr. Nimesh Chinoy** – SBU Head, SigmaWeld
- **Mr. Shubhashish Paul** – Sales & Business Development Manager (West), KUKA India Pvt. Ltd.
- **Mr. A. K. Sharma** – Executive Member, IIW–Mumbai Branch & Immediate Past Chairman, ISNT–Mumbai Branch

Their collective expertise enriched the seminar with valuable perspectives on **emerging welding practices, industrial automation, and global opportunities in the field of advanced manufacturing.**

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## **Programme Overview**

The seminar began with a **welcome address and inaugural session**, followed by the **felicitation of distinguished guests**. The dignitaries shared their insights on the latest **developments in welding and automation technologies**, emphasizing the increasing integration of **smart systems, robotics, and digitalization** in industrial practices.

A total of **four technical sessions** were conducted, each focusing on **innovative welding processes, automation-driven fabrication methods, and advancements in welding consumables and equipment**. The sessions also highlighted the impact of **Industry 4.0, robotics, and sustainable practices** in transforming the welding sector.

The seminar also included an **interactive panel discussion**, where students and professionals engaged directly with the speakers. Questions regarding **career opportunities, global demand for welding experts, and the role of automation in improving quality and productivity** were addressed in detail, making the discussion highly impactful and practical.

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## **Session Briefings**

### **Mr. N. Kanagasabai**

Mr. Kanagasabai, in his inaugural address, highlighted the rapid changes in welding technologies in the context of Industry 4.0. He spoke about the importance of skill development for students, the growing demand for welding engineers in global markets, and how organizations like IIW are bridging the gap between industry and academia. His talk inspired young engineers to adopt a forward-looking approach to welding research and automation.

### **Mr. Nimesh Chinoy**

Mr. Chinoy shared his rich experience in the development of **SigmaWeld product line**. He explained how innovations in inverter-based welding machines and automation solutions are transforming the industry. He also spoke about the deployment of

welding power sources across critical sectors such as aerospace, nuclear, defence, and power, emphasizing their impact on productivity, quality, and energy savings. His session gave students a clear perspective on how applied R&D can create globally competitive products.

### **Mr. Shubhashish Paul**

Mr. Paul's session focused on **industrial automation and robotics in welding**. He elaborated on how KUKA India is enabling smart automation solutions that cater to the demands of modern manufacturing. Drawing from his extensive sales and business development background, he discussed customer-centric approaches, implementation of robotic welding systems, and the importance of aligning solutions with industry needs. His talk emphasized how welding automation is key to ensuring consistency, efficiency, and global competitiveness.

### **Mr. A. K. Sharma**

Mr. Sharma provided a technical overview of **quality assurance in welding and non-destructive testing (NDT)**. With his expertise and global certifications, he explained the relevance of RT, UT, MT, and PT in maintaining safety and reliability in fabrication projects. He also shared case studies from his international experience, including his tenure at Petrofac International LLC. His address offered participants a strong understanding of how quality standards and auditing play a crucial role in the success of large-scale engineering projects

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## **Panel Discussion**

The seminar concluded with a **panel discussion**, bringing together all the speakers to share their perspectives on **global opportunities in welding, sustainable practices, and the role of smart technologies in shaping the future of manufacturing**. The discussion included questions from students and industry professionals, making it highly interactive and impactful.

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## **Support and Coordination**

The success of this seminar was made possible through the continuous **guidance and encouragement of the coordinators, Dr. D. D. Deshmukh, Dr. S. P. Kakade, and Dr. S. K. Nirgude**. Their support ensured the smooth organization of the event.

Special appreciation is extended to the **faculty members, supporting staff, and student volunteers** whose efforts were instrumental in managing registrations, logistics, and hospitality. The contributions of the **HR, EDP, MARKOM, Accounts, Civil, and Maintenance departments** also played a crucial role in ensuring seamless execution.

## **Conclusion**

The seminar concluded with a **Vote of Thanks delivered by the student hosts**, acknowledging the contributions of the dignitaries, coordinators, and all participants.

The **One-Day Technical Seminar on “Next Gen Welding – Smart Technologies, Global Opportunities”** proved to be a highly **fruitful platform for learning, networking, and exploring industrial advancements**. It not only broadened the technical perspectives of participants but also inspired them to **align their skills with global opportunities in welding, fabrication, and automation**.



