The one-day Technical Seminar touched upon the various key aspects related to the welding sector 4.0 in India that included the role and contribution of the welding sector to the Indian manufacturing industry. The Young Bombay Forum (YBF), a youth wing of the Bombay Chamber organized a Technical Seminar on Welding Technology for Industry 4.0 held on November 30\textsuperscript{th}, 2018 from 9.30 am to 5.30 pm at The Ruby, Dadar. Ms. Usha Maheshwari, Additional Director of Bombay Chamber welcomed the speakers and delegates. She covered briefly the historical achievements of Bombay Chamber and gave introduction of YBF and its past activities. 20 delegates participated from different organizations and few of them had even travelled from different parts of our country.

Welding & Testing Technology Industry 4.0 is a name given to the current trend of Welding & Testing automation and data exchange in manufacturing technologies. It includes cyber-physical systems, the Internet of things, cloud computing and cognitive computing. Industry 4.0 introduces what has been called the “Smart Welding Factory,” in which cyber-physical systems monitor the physical processes of the factory and make decentralized decisions. The physical systems become Internet of Things, communicating and cooperating both with each other and with humans in real time via the wireless web.

Mr. Satish Sawant & Mr. N. H Singh, was the faculty for the workshop. Mr. Sawant is the Inspector & Surveyor of Institute of Welding & Testing Technology with 30 years of Experience. Mr. N. H. Singh, Chief Consultant & Trainer of IWTT.

Mr. Satish gave a brief history & introduction about Welding technology. He also stress on Welding Challenges, Process, Procedure, Types of welding module, 3 Crucial Quality steps in Welding such as Effective Communication, Behavioral Change, Cultural Change, Welding codes, Standards, Specifications & Certifications, Types of weld etc. There was a technical session by Mr. N.H. Singh on Welding technology with the relevant case studies.

Mr. Sawant also spoke about the Robotic welding where he mentioned that welding robots have been used by the manufacturing industry since 1970’s, in the form of mechanized welding processes. With the help of few videos he explained the concept of Robotic welding. The skill of the specially qualified personnel drives the success of robot welding and optimizing the high quality output.

Overall the entire Seminar was very interactive, informative and useful for the delegates. Delegates were sharing their experiences dealing in welding in their day to day life with the trainers. The Seminar received an overwhelming response from the delegates. Mr. Sawant guided on newer Welding technologies. Trainers gave valuable tips, information on upcoming Welding industry 4.0.