

Report on the CTE Approved One-Week Short Term Training Program (STTP) on "Manufacturing and Testing of Metals"

Introduction:

The Department of Metallurgy at Dr. S. & S.S. Ghandhy College of Engineering and Technology, Surat successfully conducted a CTE approved one-week Short Term Training Program (STTP) on "Manufacturing and Testing of Metals" from February 19th, 2024, to February 23rd, 2024. The program aimed to provide participants with comprehensive knowledge and hands-on experience in various aspects of metal manufacturing and testing.

Participants:

The STTP saw enthusiastic participation from various government as well as self-financed technical institutes of Gujarat State.

Experts:

The program featured distinguished experts from the National Institute of Technology (NIT) and various renowned institutes. These experts shared their insights and experiences, enriching the learning experience for the participants. Some of the key experts included:

Dr. I. B. Dave, Professor, GEC-Gandhinagar

Dr. Jyoti Menghani, Associate Professor, SVNIT-Surat

Dr. V. D. Kalyankar, Associate Professor, SVNIT-Surat

Dr. Mrunal Chaudhari, Assistant Professor, LDCE-Ahmedabad

Mr. Jayesh Vankawala, Proprietor, JMT Udhna, Sachin

Mr. Chaitanya Purohit, Proprietor, Q-tech consultant, Surat

Prof. Rohit Mehta, Associate Professor, GEC-Surat

Activities:

The STTP encompassed a wide range of activities designed to cover theoretical concepts as well as practical applications. The key activities included:

Lectures: Expert-led sessions covering topics such as metallurgical principles, metal manufacturing processes, testing techniques, and quality control measures.

Hands-on Practice: Participants engaged in practical sessions focused on Destructive Testing (DT), Non-Destructive Testing (NDT), casting techniques, and metallography. This hands-on experience provided invaluable insights into real-world applications.

Lab Visit: A visit to the Sardar Vallabhbhai National Institute of Technology (SVNIT) lab provided participants with exposure to state-of-the-art facilities and ongoing research initiatives in the field of metallurgy.

Interactive Sessions: Participants had the opportunity to interact with the experts, clarifying doubts, discussing industry trends, and exploring potential research avenues.

Case Studies: Analysis of case studies helped participants understand practical challenges in metal manufacturing and testing and develop problem-solving skills.

Outcome:

The STTP received overwhelmingly positive feedback from the participants, who appreciated the comprehensive coverage of topics and the opportunity for hands-on learning. Some of the key outcomes of the program include:

Enhanced Understanding: Participants gained a deeper understanding of metallurgical principles, manufacturing processes, and testing techniques.

Skill Development: Hands-on practice sessions equipped participants with practical skills essential for their professional growth.

Networking Opportunities: The program provided a platform for participants to network with experts and peers, fostering collaborations and knowledge sharing.

Professional Development: The STTP contributed to the professional development of attendees, enabling them to stay updated with the latest advancements in the field.

Conclusion:

The one-week STTP on "Manufacturing and Testing of Metals" organized by the Department of Metallurgy was a resounding success, thanks to the efforts of the coordinators, experts, and enthusiastic participation of the attendees. The program served as a valuable platform for knowledge exchange, skill development, and professional networking, contributing to the advancement of the metallurgical industry.

We extend our gratitude to all the experts, participants, and supporting staff for their contributions to making this STTP a memorable and enriching experience.

Some Glimpse of STTP:



