

National Institute of Technology Tiruchirappalli

Guest Lectures on Standardization in Metallurgy by BIS Team

Guest lectures on Standardization in selected areas of Metallurgy were held in NIT Tiruchirappalli on 8th November 2023. The following BIS experts were present at NIT Tiruchirappalli to deliver the lectures.

1. Mr. Haweliker Dushyant Satyaprem, Scientist B / Assistant Director and
2. Mr. Ram Sai Kumar Gadela, Scientist B / Assistant Director

The lectures were on application of standardization in the areas of Powder Metallurgy, Mechanical Testing of Metals, Heat Treatment and Metallography. The target audience were 3rd years of B.Tech and PhD students of the Department of Metallurgical and Materials Engineering (MME). The session venue was A2 hall in NITT. A total of 73 students were present for the lecture sessions.



The morning session started with a Welcome address given by The HoD, MME, Prof. S. Muthukumar, welcoming the BIS experts and highlighting the importance of standardization based on anecdotes. This was followed by a Welcome address given by the BIS Chair Professor, Prof. K. Muthukkumar, who also shared the details of the MoU between BIS and NITT.



The catalogues of Indian standards in the aforesaid areas of Metallurgy were shared by the experts with the Faculty team of MME Department.



The lecture sessions started with an Introduction to the BIS organization and its activities, delivered by Mr. Hawelkar Dushyant, consisting of the importance of standards, the stakeholders including the technical committees and of general public and the steps involved in the process of standardization. The next lecture on Powder Metallurgy was given by Mr. Ram Sai on standardization of terminologies, production of powders, testing of powder properties and of sintered components.



The afternoon sessions were on Mechanical testing of metals conducted by Mr. Hawelkar Dushyant and on Metallography and Heat treatment by Mr. Ram Sai. The sessions were quite engaging for the students due to the many quizzes both in the middle and at the end of the session.

The sessions were concluded with a Vote of Thanks delivered by Dr. Anand, MME, thanking the BIS experts, the organization for arranging the lectures, the administration of NIT Tiruchirappalli for providing a platform, the BIS chair professor, the faculty and students of MME department for their support and participation.