

डॉ. बी. आर. अम्बेडकर राष्ट्रीय प्रौद्योगिकी संस्थान, जालन्धर
Dr. B. R. AMBEDKAR NATIONAL INSTITUTE OF TECHNOLOGY, JALANDHAR
यांत्रिकी अभियांत्रिकी विभाग
DEPARTMENT OF MECHANICAL ENGINEERING
जी टी रोड बाई पास, जालन्धर-१४४००८, पंजाब, भारत
G T Road Bye Pass, Jalandhar-144008, Punjab, India
(An Institute of National Importance)

DST SERB sponsored Two-Day Workshop on

'Modeling, Simulation and Control of Dynamics of Engineering Systems: A Bond Graph approach'

22-23 March, 2024

Report

It is a matter of great happiness and pride that the Department of Mechanical Engineering, Dr. B. R. Ambedkar National Institute of Technology, Jalandhar, successfully conducted a Two-day Workshop on "*Modeling, Simulation and Control of Dynamics of Engineering Systems: A Bond Graph approach,*" 22-23 March 2024.

This Workshop was supported by DST SERB as a part of Social Scientific Responsibility under a Core Research Grant project awarded to Professor Joseph Anand Vaz who is its Principal Investigator. He was also the speaker for the Workshop. While 53 persons registered for the Workshop, it was attended by 32 participants.

The main theme of the Workshop, "Modeling and simulation of physical system dynamics" is an extremely important aspect in the design of modern engineering systems. The Workshop dealt with modeling and simulation from a modern graphical perspective, which is much easier to understand than raw mathematical approaches. The theme of the Workshop was interdisciplinary. It is expected that the participants will be able to model and simulate dynamics of physical systems using the *Bond Graph* approach and use this powerful approach in their research work.

Dr. Joseph Anand Vaz
Course Coordinator
Professor, Department of Mechanical Engineering
Dr B R Ambedkar National Institute of Technology
Jalandhar-144008
Email: anandvaz@nitj.ac.in
Phone: +91-181-5037706