



26th March 2022

Press Release

National Seminar (web) on Composite Materials

Salt Lake City, Kolkata: The Department of Mechanical Engineering, National Institute of Technical Teachers' Training and Research (NITTTR) Kolkata has been organized a national seminar (web) on "Composite Materials" on 26th March 2022 to bring together researchers, students, faculty members, technical staffs and industry personnel to share their knowledge in the fields of composite materials, properties and testing. Objectives of the national seminar were: (i) to share insight into various composite materials in order to design efficient and safe manufacturing processes; (ii) to explore applications of various composite materials; (iii) to explore challenges to fabricate composite and nanocomposite materials etc.

Dr. Debi Prasad Mishra, Professor and Director, NITTTR Kolkata welcomed the guests and participants. In the welcome speech, Prof. Mishra stressed upon the sustainable composite materials for welfare of mankind. Dr. Mishra has also discussed the composite materials in ancient times and applications of various matrix based composite materials.

Dr. Uday Shankar Dixit, Professor, Department of Mechanical Engineering, Indian Institute of Technology, Guwahati was the Chief Guest for the inaugural session of the national seminar. In the inaugural speech Prof. Dixit has been nicely discussed the concept of composite materials, their different phases and properties. Further, Dr. Dixit stressed upon the mechanics of composite materials, natural reinforcement based composite materials and manufacturing of composite materials.

Dr. Sivanandam Aravindan, Professor, Department of Mechanical Engineering, Indian Institute of Technology, Delhi gave a talk on ***joining of composites***. Dr. Devendran Thirunavukarasu, Technical Director, ST Advanced Composites Pvt Ltd, Chennai discussed the ***development and characterisation of the natural fiber reinforced thermoplastic composites***. Dr. Shailesh I. Kundalwal, Associate Professor, Department of Mechanical Engineering, Indian Institute of Technology, Indore presented on ***multifunctional properties of hybrid nanocomposite via novel experimental and micromechanical techniques***. Dr. Ramji Manoharan, Professor and Head of the Department, Department of Mechanical and Aerospace Engineering, Indian Institute of Technology, Hyderabad discussed on ***mechanics of bolted, bonded, and hybrid joint in CFRP structure***. Dr. Naresh Datla, Associate Professor, Department of Mechanical Engineering, Indian Institute of Technology, Delhi gave a talk on ***aligned nanocomposites. Architected composites for enhanced performance*** has been discussed by Dr. Sandip Haldar, Assistant Professor, School of Mechanical Science, Indian Institute of Technology, Goa. Last talk has been delivered on ***manufacturing of polymer composites*** by Dr. Subrata Mondal, Coordinator of the seminar, Associate Professor, Department of Mechanical Engineering, NITTTR Kolkata. The National Seminar (web) has been organized successfully with the active support and help from Dr. Dipankar Bose, Professor and Head of the Department, Department of Mechanical Engineering, NITTTR Kolkata and Dr. Rayapati Subbarao, Associate Professor, Department of Mechanical Engineering, NITTTR Kolkata.