REPORT OF THE VARIOUS ACTIVITIES IN THE WORK SHOP ON

NANOTECHNOLOGY AND NANOMATERIALS FOR INTERDISCIPLINARY APPLICATIONS

(NNIA-2020)

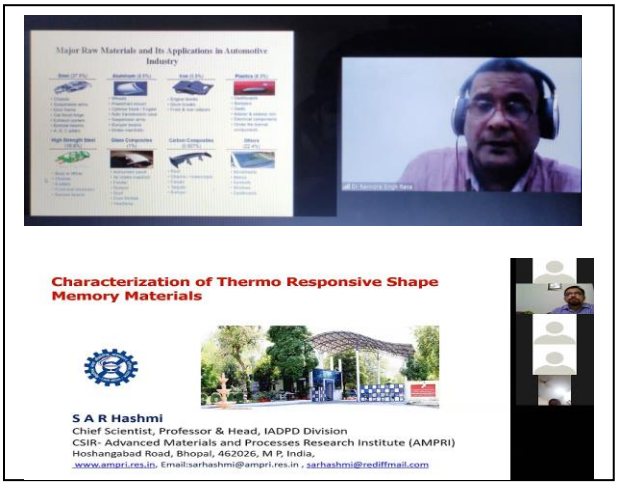
Department: Mechanical Engineering **Duration: 27-31 July 2020**

Brief programme report: The Self Sponsored Online Workshop on "**NANOTECHNOLOGY AND NANOMATERIALS FOR INTERDISCIPLINARY APPLICATIONS (NNIA-2020)"** has been successfully organized from 27 to 31 July2020. Around 108 Participants have online attended the Workshop from all over the country. There were14 Expert Lectures including the interactive laboratory demonstrations regarding current research issues and challenges in the area of nanotechnology and nanomaterials. **Dr. Sujeet K. Sinha**, Professor, IIT Delhi, was the Chief Guest, Dr. S.K. Singh, Dean, GRIET, Hyderabad was the Guest of Honour and **Dr. G. Dixit,** HOD (Mechanical) were present in the inaugural function. **Dr. Sujeet K. Sinha,** Professor, IIT Delhi has delivered the keynote Lecture on the Nano-tribology. The topics covered by various experts were introduction to Nanotechnology and nanomaterials, Lithography, Micro and Nano Manufacturing, Characterization Facilities (SEM/TEM/ SPM/AFM), Light weight Nano-materials and Nano-composites, CNTs, Nano-patterning, Nano porous materials, Shape Memory and Smart Materials and Nanomaterials for Renewable Energy.

Inauguration Programme NNIA-2020







Important speakers:

Dr. Sujeet Kumar Sinha, Professor, IIT Delhi

Dr. SAR Hashmi, Chief Scientist, AMPRI Bhopal

Dr. V. K. Jain, Professor (Rtd.), IIT Kanpur

Dr. Santanu Talukder, Electrical&CSE Dept, IISER Bhopal

Dr. Abhijit Patra, Associate Professor, IISER Bhopal

Dr. S. Das, Ex. Scientist & Director, AMPRI Bhopal

Dr. Amit Dubey, Professor, MANIT Bhopal

Affiliation and place of the participants: About 108 Participants including faculties and students have registered and attended the Workshop. The participants belongs to various institutes like IIT, Roorkee, IIT, Guwahati, NIT, Raipur, SVNIT, Surat, VNIT, Nagpur, NIT, Rourkela, NIT, Kurukshetra, MANIT, Bhopal, NIT, Srinagar, BITS, Mesra, Ranchi, JEC, Jabalpur, AMU, Aligarh and many other reputed Universities.

Coordinators: Dr. Rajesh Purohit, Professor, Mechanical Engineering Department, MANIT Bhopal

Dr. R. S. Rana, Associate Professor, Mechanical Engineering Department, MANIT Bhopal

Dr. Vilas Warudkar, Associate Professor, Mechanical Engineering Department, MANIT Bhopal