The Department of Mechanical Engineering, School of Engineering (SoE), organized a National Workshop on Additive Manufacturing (3D Printing) on 17-18 August 2015 at SNU. Keeping in view the latest trends in the area of manufacturing, the Workshop imparted a fundamental understanding on a range of topics within the domain of additive manufacturing, exploring the current state of research and development. The two-day workshop was inaugurated by Dr. Nikhil Sinha, Vice-Chancellor, Shiv Nadar University. Dr. Rupamanjari Ghosh, Director, School of Engineering & School of Natural Sciences welcomed the invited speakers and the participants. Professor Ming C. Leu, Keith and Pat Bailey Professor, Department of Mechanical and Aerospace Engineering, Missouri University of Science and Technology, USA, Dr. Y. Ravi Kumar, NIT Warrangal, Prof. P. V. Madhusudhan Rao, IIT Delhi, Prof. K. P. Karunakaran, IIT Bombay, faculty members the Department of Mechanical Engineering and SoE also graced the occasion.

The Workshop intensively covered additive manufacturing (AM) which has gained much attention over the last decade and has now been identified by all major Medical, Defense, Consumer Products and Electronics, Aerospace and Automobile Agencies as a key enabling technology. Professor Leu delivered the Inaugural Speech and provided an overview on additive manufacturing besides discussing the future opportunities for AM technologies and applications. Professor Rao spoke about the interesting applications and innovations possible through additive manufacturing. Professor Karunakaran delivered a talk on “Multi-station multi-axis metallic 3D printing” and Dr. Ravi Kumar on “Reverse engineering and 3D printing of medical implants along with experts from the Industry.”

Mr. Ravi Patil, Design Tech Systems gave a 3D Printing demonstration and injection moulding and the participants were also given hand-on experience on 3D Printing during the workshop. Possibilities of joint efforts in Teaching and Research were also discussed during the workshop. A few critical issues and new research direction on AM technologies were identified during the workshop and a tentative road map also established among different premier institutes in India and abroad.

Dr. Santanu Mitra, Head, Department of Mechanical Engineering, SoE, said, “SNU is very proud to have this workshop organized as this is probably the first of its kind in the National Capital Region.”