

Dr. Harlal Singh Mali

Professor

Deptt. of Mechanical Engineering

Malaviya National Institute of Technology Jaipur

JLN Marg, Jaipur, Raj. PIN-302017, India

Phone -91-141-2713495 (O), 9549654561(M), 8829046492 (M)

Email: harlal.singh@gmail.com; harlal.singh@mnit.ac.in,



Brief Bio-Sketch

Dr. Harlal Singh Mali is working as Professor of Mechanical Engineering at Malaviya National Institute of Technology (MNIT) Jaipur, India in Design & Manufacturing domain.

Coming from a very humble family background, his initial schooling was in the vernacular medium. He received his Diploma and Graduation in Mechanical Engineering in 1993, and 2000 in Chennai, India. His Master's (Computer Integrated Manufacturing), and Ph.D. (Mechanical Engineering) are from Punjab Engineering College, Chandigarh, now deemed to be a university in 2003, and 2010 respectively.

Before joining as an Assistant Professor at MNIT Jaipur in 2012, he has served for 10 years in the aviation industry on various projects on Product Design and Manufacturing across India and 06 years as Assistant Professor in Chandigarh & Gautam Buddha University, Gr. NOIDA.

Prof. Mali researches in the area of Advanced Manufacturing Technologies, Composite/Ceramic Materials, and Product Development including Prosthetic/Orthotics involving CAD/CAM/CAE and Design Thinking.

He has successfully supervised 15 research scholars and is currently guiding 06. Besides getting awarded four Indian patents, he has filed another ten patents on various technologies including one at USA. He has authored over 130 papers and articles in international journals, with an overall citation of 3000 plus (h-index=75). He is a Fellow of the Institution of Engineers, India (FIE),

His research engagements supported institutional tie-ups with eminent US / German universities like Ohio State University, Colorado State University, Idaho State University, OTH Amberg-Weiden and industry partners like Autodesk, Honda Cars, and HMT.

He has successfully established the Advanced Manufacturing & Mechatronics Lab at MNIT Jaipur and dreams of skilling every mechanical engineering student of the Institute in integrated technologies of CAD/CAM/CAE and Mechatronics in Manufacturing.

Prof. Mali has successfully executed 10 international/national research projects and is currently leading 3 research projects, with total funding of over INR 50 million. These research grants are from various Indian and international funding agencies, including BIG of BIRAC (DBT), ECR, EMR of DST (SERB), DRDO (ARMREB), NSF (USA), and various industries. He serves as a knowledge partner/consultant for various projects in government and industry.

Prof. Mali is also the founder-director of a start-up called Jaipur Club Foot Pvt. Ltd. (www.jaipurclubfoot.com), which is an outcome of NISP 2019 to solve a complex socio-medico-technological problem called Club Foot treatment. He is the founder of the CAM Society at MNIT Jaipur. MNIT CAM Society (www.camsociety.in) is a student-driven club dedicated to teaching and learning manufacturing technologies. He has been recognized with various awards and honors including for Young Scientist elected from the Department of Science and Technology, Govt. of India (2011).