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Dr. Kastha has been teaching and doing research in the area of Power Electronics and Drives for more than two decades now and has authored a number of technical papers, books and electronic teaching aids. His research interests are in the areas of Wind power Generation, Machine drives, DC Power Supply and Distribution systems. He has co-authored a book titled “Wind Electrical Systems”(Oxford University Press) and prepared web based and video courses on Power Electronics and Electrical Machines respectively as parts of NPTEL program of Govt. of India. He has also participated in several sponsored and consultancy projects in the areas of Industrial Robots, Chaotic behavior of power electronic converters, semi automatic electric vehicles, Drives diagnostics, VSCF Wind Power Generation schemes, Reconfigurable Distribution Systems.